A company employs a team of customer service agents to provide telephone and email support to customers.

The company develops a webchat bot to provide automated answers to common customer queries.

Which business benefit should the company expect as a result of creating the webchat bot solution?

    A. increased sales

    B. a reduced workload for the customer service agents

    C. improved product reliability

Suggested Answer: *B*

Community vote distribution

B (100%)

  👤 **abhi0706** `Highly Voted 👍` 3 years, 11 months ago

B is correct

upvoted 44 times

  👤 **ksarhan** `Highly Voted 👍` 3 years, 11 months ago

B is correct

upvoted 9 times

  👤 **Dumpsvibe_cisco** `Most Recent ⊘` 5 days, 9 hours ago

`Selected Answer: B`

B is correct answer.

upvoted 1 times

  👤 **dumps4azure_com** 1 month ago

B is the rite answer.

upvoted 1 times

  👤 **gina_the_boss** 1 month, 3 weeks ago

On exam Jul 26, 2024

upvoted 1 times

  👤 **Akang** 2 months, 4 weeks ago

B is correct

just now i got it in the exam. 828/1000

upvoted 3 times

  👤 **Sec_Miraj** 2 months, 4 weeks ago

Had the exam on June 2024 and got a score of 914. Did all the questions on here and took the practice assesment 4-5 times. about 50% of the questions were from here and a good 30-35% were very similiar questions worded differently.

upvoted 1 times

  👤 **MohanDas4** 3 months, 3 weeks ago

Answer is B (as most of the chatbots are used to reduce work load for customer support professionals)

upvoted 1 times

  👤 **ningeyake** 5 months ago

I finished my exam on 30th March 2024, most questions were from here , scored 885/1000.

upvoted 3 times

  👤 **ARITRO** 6 months, 1 week ago

In the Exam 8th MARCH 2024

upvoted 2 times

  👤 **Darkcignus** 6 months, 3 weeks ago

B is the right answer

upvoted 1 times

  👤 **Boss001** 9 months, 2 weeks ago

B is correct
upvoted 1 times

⊟ 👤 **amjr2352s** 9 months, 2 weeks ago

Someone from support can answer me. I bought the unlimited plan but I can't access other exams. and some exams are giving errors when I access them.
upvoted 2 times

⊟ 👤 **PERCY23** 9 months, 4 weeks ago

B correct on august exam 933 was my score
upvoted 1 times

⊟ 👤 **candyak** 10 months ago

B is right
upvoted 2 times

⊟ 👤 **dumpsfactory__com** 10 months ago

B is the right answer
upvoted 1 times

⊟ 👤 **reddyreddy** 11 months, 3 weeks ago

B is the correct answer ... greetings for Napule
upvoted 1 times

For a machine learning progress, how should you split data for training and evaluation?

A. Use features for training and labels for evaluation.

B. Randomly split the data into rows for training and rows for evaluation.

C. Use labels for training and features for evaluation.

D. Randomly split the data into columns for training and columns for evaluation.

Suggested Answer: *B*

The Split Data module is particularly useful when you need to separate data into training and testing sets. Use the Split Rows option if you want to divide the data into two parts. You can specify the percentage of data to put in each split, but by default, the data is divided 50-50. You can also randomize the selection of rows in each group, and use stratified sampling.

Reference:

https://docs.microsoft.com/en-us/azure/machine-learning/studio-module-reference/split-data

Community vote distribution

B (100%)

👤 **sumanshu** `Highly Voted 👍` 3 years, 1 month ago

Vote for 'B'

A. Use features for training and labels for evaluation. ==> Wrong (Training need both features and labels)

B. Randomly split the data into rows for training and rows for evaluation. ==> Correct (few data used for training and on few data we can evaluate performance of model) , (so split in rows)

C. Use labels for training and features for evaluation. ==> Wrong (for training we need both features and labels)

D. Randomly split the data into columns for training and columns for evaluation. ==> Wrong (Data will be split row -wise)

upvoted 6 times

👤 **Dumpsvibe_cisco** `Most Recent ⊘` 5 days, 9 hours ago

`Selected Answer: B`

The right answer is B.

upvoted 2 times

👤 **alou_65** 1 week, 3 days ago

d est correct

upvoted 1 times

👤 **sajani93** 2 weeks ago

`Selected Answer: B`

Answer is B

upvoted 1 times

👤 **joanna28** 2 months, 2 weeks ago

on exam 28/06/2024

upvoted 3 times

👤 **Boss001** 9 months, 2 weeks ago

`Selected Answer: B`

B. Randomly split the data into rows for training and rows for evaluation.

upvoted 2 times

👤 **amjr2352s** 9 months, 2 weeks ago

Someone from support can answer me. I bought the unlimited plan but I can't access other exams. and some exams are giving errors when I access them.

upvoted 1 times

👤 **Vanessa23** 10 months, 1 week ago

training vs evaluation ratio: 70% vs 30%

upvoted 1 times

Logen 11 months, 3 weeks ago

B is correct

upvoted 1 times

shiruK 11 months, 3 weeks ago

B makes sense

upvoted 1 times

RJ1989 1 year, 1 month ago

Selected Answer: B

B is correct

upvoted 1 times

Dip_ml_2023 1 year, 1 month ago

Selected Answer: B

Split the data for training and testing. randomly 75-25 split on row may be a good idea.

upvoted 1 times

AzlearnRB 1 year, 1 month ago

on exam in July 2023

upvoted 1 times

Rahulkhd 1 year, 2 months ago

I have found some answer are wrong and explanation is not proper. You can use this course for proper explanation and correct answers

https://www.udemy.com/course/microsoft-azure-ai-900-latest-practice-test-2023/?referralCode=25EA856C8C63BC4DE950

upvoted 1 times

Hitman9991 5 months, 3 weeks ago

Hi , can you give your udemy credientials, so that i can refer the course

upvoted 1 times

sowhkk 1 year, 2 months ago

Selected Answer: B

B est correct

upvoted 1 times

rdemontis 1 year, 3 months ago

Selected Answer: B

give answer is correct, you can randomly split rows in order to have a variable sample to train and to evaluate the model
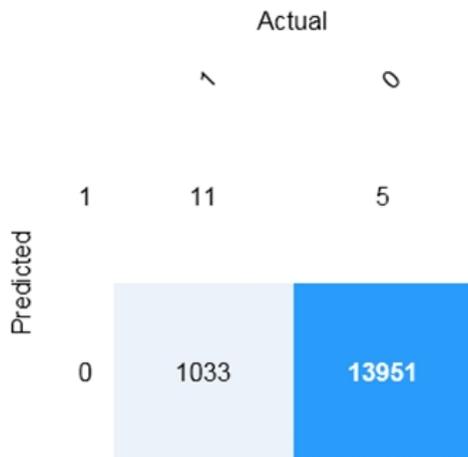
upvoted 1 times

sbs_2010 1 year, 4 months ago

This questions was there in my todays exam

upvoted 3 times

HOTSPOT -

You are developing a model to predict events by using classification.

You have a confusion matrix for the model scored on test data as shown in the following exhibit.

Actual

	↖	○
1	11	5
0	1033	13951

Predicted

Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

There are [answer choice] correctly predicted positives.

5
11
1,033
13,951

There are [answer choice] false negatives.

5
11
1,033
13,951

Suggested Answer:

Answer Area

There are [answer choice] correctly predicted positives.

5
11
1,033
13,951

There are [answer choice] false negatives.

5
11
1,033
13,951

Box 1: 11 -

	Predicted	
	Positive	**Negative**
Actual True	TP	FN
Actual False	FP	TN

TP = True Positive.
The class labels in the training set can take on only two possible values, which we usually refer to as positive or negative. The positive and negative instances that a classifier predicts correctly are called true positives (TP) and true negatives (TN), respectively. Similarly, the incorrectly classified instances are called false positives (FP) and false negatives (FN).

Box 2: 1,033 -

FN = False Negative -
Reference:
https://docs.microsoft.com/en-us/azure/machine-learning/studio/evaluate-model-performance

---

👤 **Vijaya** `Highly Voted 👍` 3 years, 11 months ago
Answer 2 is also correct please refer the https://docs.microsoft.com/en-us/azure/machine-learning/classic/evaluate-model-performance
upvoted 24 times

👤 **denizej** `Highly Voted 👍` 3 years, 10 months ago
Answer 2 is correct. The grid used in the question is reversed to the MS documentation. A false negative would imply that a 0 was predicted but 1 was the actual outcome, of which there were 1033 occurrences according to the grid used in the question.
upvoted 18 times

👤 **Dumpsvibe_cisco** `Most Recent ⊘` 5 days, 9 hours ago
The solution is correct.
upvoted 1 times

👤 **lightecho037** 2 months ago
No matter the axis labels (X and Y), the positions of TP, FP, FN, and TN remain consistent within the matrix.

Actual
Predicted 1 0
1 11 5
0 1033 13951

Interpretation:
True Positives (TP): Predicted 1, Actual 1 — Value: 11
False Positives (FP): Predicted 1, Actual 0 — Value: 5
False Negatives (FN): Predicted 0, Actual 1 — Value: 1033
True Negatives (TN): Predicted 0, Actual 0 — Value: 13951
upvoted 1 times

👤 **OwlDay** 2 months, 3 weeks ago
The confusion matrix for the model scored on test data reveals the following:

- **True Positives (Correctly Predicted Positives)**: 11
- **False Negatives**: 5

This information is crucial for evaluating the model's performance, especially in a classification task. The true positives represent instances where the model correctly predicted the positive class, while false negatives indicate instances where the model failed to predict the positive class when it should have. Understanding these metrics helps assess the model's accuracy and effectiveness in identifying positive cases.

Source: Conversation with Copilot, 27/6/2024
upvoted 1 times

👤 **Jay23AmMonsIV** 3 months, 2 weeks ago
In Question,
Actual is on X-axis and Predicted is on 'Y' axis

So answer will be 11 and 1033
TP = 11
TN = 13951
FP = 5

FN = 1033

In Solution, Actual Values are on 'Y-axis' and Predicted Values on 'X-axis' - Thus table get changed.

upvoted 3 times

👤 **Tasoh** 6 months, 1 week ago

Hello team, I do not understand this can someone explain why the answer is 11:1033? I do not understand the logic. Thank you

upvoted 3 times

👤 **Idontcareanymore** 8 months, 4 weeks ago

I had a lot of difficulties with the answer for this question. However, now that I have been able to step back and look at the chart objectively, you realize that it is not a chart for determining, it a representational chart, where you are being presented the results. That is why the response is actually correct.

upvoted 1 times

👤 **bhd** 10 months, 1 week ago

Explanation chart shown is wrong

Should be TP FP

FN TN

upvoted 6 times

👤 **Vanessa23** 10 months, 1 week ago

11 corresponds to 0-0

1033 corresponds to 0-1

upvoted 1 times

👤 **MikeScout** 1 year, 2 months ago

Do not agree with the response for answer 2. If we have a binary classification 'let me say person is 'tall' or 'not tall' (two classes). The confusion matrix shows the top row as row 1 / column 1 which are the true positives (correctly identified as tall). The next value in top row: row 1 and column 0 that is defined as tall (row) and 0 (contains incorrectly classified as 'not tall') and is called false negative. I read the questions that 'false negative' is what they are asking for. table:

tall: correctly predicted - not tall predicted

not_tall: incorrectly classified as not tall - correctly identified as not tall.

upvoted 2 times

👤 **Rahulkhd** 1 year, 2 months ago

I have found some answer are wrong and explanation is not proper. You can use this course for proper explanation and correct answers

https://www.udemy.com/course/microsoft-azure-ai-900-latest-practice-test-2023/?referralCode=25EA856C8C63BC4DE950

upvoted 1 times

👤 **zellck** 1 year, 2 months ago

1. 11

2. 1033

https://learn.microsoft.com/en-us/azure/machine-learning/how-to-understand-automated-ml?view=azureml-api-2#confusion-matrix

upvoted 4 times

👤 **rdemontis** 1 year, 3 months ago

given answers are correct

upvoted 1 times

👤 **rdemontis** 1 year, 3 months ago

answers and explanations are correct

upvoted 1 times

👤 **cgalartxa** 1 year, 5 months ago

Appeared on exam: 04/04/2023.

upvoted 4 times

👤 **GargoyleFeast** 1 year, 11 months ago

PP = 11 and FN = 1033

upvoted 3 times

You build a machine learning model by using the automated machine learning user interface (UI).
You need to ensure that the model meets the Microsoft transparency principle for responsible AI.
What should you do?

A. Set Validation type to Auto.

B. Enable Explain best model.

C. Set Primary metric to accuracy.

D. Set Max concurrent iterations to 0.

Suggested Answer: *B*
Model Explain Ability.
Most businesses run on trust and being able to open the ML ג€black boxג€ helps build transparency and trust. In heavily regulated industries like healthcare and banking, it is critical to comply with regulations and best practices. One key aspect of this is understanding the relationship between input variables (features) and model output. Knowing both the magnitude and direction of the impact each feature (feature importance) has on the predicted value helps better understand and explain the model. With model explain ability, we enable you to understand feature importance as part of automated ML runs.
Reference:
https://azure.microsoft.com/en-us/blog/new-automated-machine-learning-capabilities-in-azure-machine-learning-service/

Community vote distribution

B (100%)

☐ 👤 **ipindado2020** `Highly Voted 👍` 3 years, 9 months ago
b is ok
upvoted 16 times

☐ 👤 **Mxp121** `Highly Voted 👍` 2 years, 6 months ago
Answer is B:
MS AI responsibilities

• Fairness – Limit Biases
• Reliability ad Safely – ops, resist manipulating, use of regresses testing
• Privacy and security- secure data provide security controls
• Inclusiveness- AI available to everyone i.e., disabled ppl
• Transparency- fully aware of the limitations over All in use
• Accountability- follow governments and frameworks meet legal and ethical standards
upvoted 10 times

☐ 👤 **Dumpsvibe_cisco** `Most Recent ⊘` 5 days, 9 hours ago
`Selected Answer: B`
The perfect answer is B.
upvoted 1 times

☐ 👤 **1ljnexynbq** 2 months, 2 weeks ago
Answer is B:
MS AI responsibilities

free question here: https://youtu.be/oMUFySyBvJ8?si=-bM7uI-Osnv5n8Mt

• Fairness – Limit Biases
• Reliability ad Safely – ops, resist manipulating, use of regresses testing
• Privacy and security- secure data provide security controls
• Inclusiveness- AI available to everyone i.e., disabled ppl
• Transparency- fully aware of the limitations over All in use
• Accountability- follow governments and frameworks meet legal and ethical standards

upvoted 1 times

  👤 **Car** 8 months, 2 weeks ago

is B correct?

upvoted 1 times

  👤 **Vanessa23** 10 months, 1 week ago

Explain = transparency

upvoted 1 times

  👤 **rdemontis** 1 year, 3 months ago

Selected Answer: B

correct B

upvoted 3 times

  👤 **sql_dan** 1 year, 5 months ago

Was on exam 14/04/2023

upvoted 3 times

  👤 **jazzpujols** 1 year, 5 months ago

This question appeared on 2023/03/23

upvoted 2 times

  👤 **sisiDev** 1 year, 6 months ago

Selected Answer: B

letra B

upvoted 1 times

  👤 **examsrch** 1 year, 8 months ago

I hope B is right answer

upvoted 1 times

  👤 **GargoyleFeast** 1 year, 11 months ago

Option B is the most relevant

upvoted 1 times

  👤 **EdilmaM** 2 years, 1 month ago

b is ok

upvoted 1 times

  👤 **Eltooth** 2 years, 2 months ago

Selected Answer: B

B is correct answer.

upvoted 1 times

  👤 **Makei** 2 years, 3 months ago

Explain = Transparency

B is correct.

upvoted 2 times

  👤 **ydu7312** 2 years, 4 months ago

B is correct

upvoted 1 times

  👤 **baciga** 2 years, 5 months ago

Selected Answer: B

B is correct

upvoted 2 times

HOTSPOT -

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
Forecasting housing prices based on historical data is an example of anomaly detection.	○	○
Identifying suspicious sign-ins by looking for deviations from usual patterns is an example of anomaly detection.	○	○
Predicting whether a patient will develop diabetes based on the patient's medical history is an example of anomaly detection.	○	○

Suggested Answer:

Answer Area

Statements	Yes	No
Forecasting housing prices based on historical data is an example of anomaly detection.	○	◉
Identifying suspicious sign-ins by looking for deviations from usual patterns is an example of anomaly detection.	◉	○
Predicting whether a patient will develop diabetes based on the patient's medical history is an example of anomaly detection.	○	◉

Anomaly detection encompasses many important tasks in machine learning:

Identifying transactions that are potentially fraudulent.

Learning patterns that indicate that a network intrusion has occurred.

Finding abnormal clusters of patients.

Checking values entered into a system.

Reference:

https://docs.microsoft.com/en-us/azure/machine-learning/studio-module-reference/anomaly-detection

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☐ 👤 **sudheesh** `Highly Voted 👍` 3 years, 11 months ago

N/Y/N ?

upvoted 106 times

☐ 👤 **n1a2m3e3** 3 years, 8 months ago

N/Y/N is correct

upvoted 15 times

☐ 👤 **brianp** 3 years, 11 months ago

Agreed - N/Y/N (regression, anomaly, classification)

upvoted 38 times

☐ 👤 **PremT** `Highly Voted 👍` 3 years, 11 months ago

even i feel answer shld be N-Y-N

upvoted 17 times

☐ 👤 **Dumpsvibe_cisco** `Most Recent ⊙` 5 days, 9 hours ago

The right solution.

upvoted 1 times

☐ 👤 **joanna28** 2 months, 2 weeks ago

on exam 28/06/2024

upvoted 2 times

👤 **Vanessa23** 10 months, 1 week ago

forecasting = recursive algorithm

upvoted 2 times

👤 **King_Lam** 12 months ago

This question has appeared in Exam 20/9/23

upvoted 1 times

👤 **vini23** 12 months ago

this question appeared in Exam on 9/17/23

upvoted 1 times

👤 **twwsdl** 1 year, 1 month ago

Got this question in the exam on July 22 2023 and passed with 1000/1000. Answer is NYN

upvoted 3 times

👤 **zellck** 1 year, 2 months ago

NYN is the answer.

https://learn.microsoft.com/en-us/azure/cognitive-services/anomaly-detector/overview
Anomaly Detector is an AI service with a set of APIs, which enables you to monitor and detect anomalies in your time series data with little machine learning (ML) knowledge, either batch validation or real-time inference.

upvoted 2 times

👤 **lcssilva** 1 year, 3 months ago

caiu no exame do dia 16/06/2023

upvoted 3 times

👤 **rdemontis** 1 year, 3 months ago

for me given answers are correct. The right algorithm for these 3 scenarios should be regression, anomaly detection and classification

upvoted 2 times

👤 **alvar_3** 1 year, 5 months ago

Why shouldn´t be the first one Yes?? You can use it to find anomalyes in the prizing if the predicted value is very diferent from the real one

upvoted 2 times

👤 **THC1138** 2 months, 3 weeks ago

If the goal was to find anomalous house prices, then yes. But since for #1 you are just predicting house prices, the answer is no.

upvoted 1 times

👤 **banglori** 1 year, 6 months ago

Found in exam today

upvoted 3 times

👤 **Lazynuts** 1 year, 6 months ago

N/Y/N. Appeared on exam 24.2.2023

upvoted 3 times

👤 **shafi1990** 1 year, 7 months ago

This question has appeared in 20/01/2023.

upvoted 2 times

👤 **examsrch** 1 year, 8 months ago

No
Yes
No

A - Regression
B - Anomly
C - Cassification

upvoted 3 times

👤 **GargoyleFeast** 1 year, 11 months ago

2nd Option is correct. 1st is an example of Regression and the 3rd is an example of Classification.

upvoted 2 times

HOTSPOT -

To complete the sentence, select the appropriate option in the answer area.

Hot Area:

Answer Area

The handling of unusual or missing values provided to an AI system is a consideration for the Microsoft [_____ ▼] principle for responsible AI.

- inclusiveness
- privacy and security
- reliability and safety
- transparency

Suggested Answer:

Answer Area

The handling of unusual or missing values provided to an AI system is a consideration for the Microsoft [_____ ▼] principle for responsible AI.

- inclusiveness
- privacy and security
- reliability and safety
- transparency

Reliability and safety:

AI systems need to be reliable and safe in order to be trusted. It is important for a system to perform as it was originally designed and for it to respond safely to new situations. Its inherent resilience should resist intended or unintended manipulation. Rigorous testing and validation should be established for operating conditions to ensure that the system responds safely to edge cases, and A/B testing and champion/challenger methods should be integrated into the evaluation process.

An AI system's performance can degrade over time, so a robust monitoring and model tracking process needs to be established to reactively and proactively measure the model's performance and retrain it, as necessary, to modernize it.

Reference:

https://docs.microsoft.com/en-us/azure/cloud-adoption-framework/innovate/best-practices/trusted-ai

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👤 **Pukk** `Highly Voted 👍` 3 years, 11 months ago

I think "Reliability and safety" is correct option as per the following:

"To build trust, it's critical that AI systems operate reliably, safely, and consistently under normal circumstances and in unexpected conditions. These systems should be able to operate as they were originally designed, respond safely to unanticipated conditions, and resist harmful manipulation. It's also important to be able to verify that these systems are behaving as intended under actual operating conditions. How they behave and the variety of conditions they can handle reliably and safely largely reflects the range of situations and circumstances that developers anticipate during design and testing.

We believe that rigorous testing is essential during system development and deployment to ensure AI systems can respond safely in unanticipated situations and edge cases, don't have unexpected performance failures, and don't evolve in ways that are inconsistent with original expectations"

upvoted 83 times

👤 **KASTURI** `Highly Voted 👍` 3 years, 11 months ago

Yes "Reliability and Safety" is the correct answer. I found this question correctly marked in another question bank.I passed my exam last week with 930 marks.

https://www.udemy.com/course/microsoft-certified-azure-ai-fundamentals-5-practice-tests/?referralCode=611411548EFB2239FD69

upvoted 25 times

👤 **NKT** 3 years, 9 months ago

Thanks for this reference of another question bank.

upvoted 4 times

👤 **elibrahimov396** 3 years, 5 months ago

Hi.Can you share this is course for me?

upvoted 3 times

   ☐ 👤 **sapien45** 1 year, 2 months ago

That is not an asnwer ... whay don't you explain the train or thoughts instead of "i FOunD iT ElsEHWEREÈ

upvoted 2 times

☐ 👤 **Clouddddd** [Most Recent ⊘] 8 months, 1 week ago

On exam 08/01/2024

upvoted 1 times

☐ 👤 **Shri0506** 8 months, 3 weeks ago

in exam 29 Dec 2023

upvoted 1 times

☐ 👤 **King_Lam** 12 months ago

This question has appeared in Exam 20/9/23.

upvoted 1 times

☐ 👤 **vini23** 12 months ago

this question appeared in Exam on 9/17/23

upvoted 1 times

☐ 👤 **twwsdl** 1 year, 1 month ago

Got this question in the exam on July 22 2023 and passed with 1000/1000. Answer is "Reliability and safety"

upvoted 2 times

☐ 👤 **zellck** 1 year, 2 months ago

1. reliability and safety

https://learn.microsoft.com/en-us/azure/cloud-adoption-framework/innovate/best-practices/trusted-ai#reliability-and-safety
AI systems need to be reliable and safe in order to be trusted. It's important for a system to perform as it was originally designed and for it to respond safely to new situations. Its inherent resilience should resist intended or unintended manipulation. Rigorous testing and validation should be established for operating conditions to ensure that the system responds safely to edge cases, and A/B testing and champion/challenger methods should be integrated into the evaluation process.

upvoted 2 times

☐ 👤 **rdemontis** 1 year, 3 months ago

IMHO the answer given is correct. Unusual or missing values in the dataset can affect the validity of the training data because they do not allow the algorithm to understand based on which criteria it should perform the prediction in the specific case

upvoted 2 times

☐ 👤 **banglori** 1 year, 6 months ago

Found in exam today
Reliability and Safety is the correct answer

upvoted 3 times

☐ 👤 **shafi1990** 1 year, 7 months ago

In test on 20/01/2023

upvoted 3 times

☐ 👤 **JKRowlings** 2 years, 2 months ago

Reliability and safety is the answer

upvoted 1 times

   ☐ 👤 **Student2023** 1 year ago

can't believe my eyes, J K Rowling is taking a course in Microsoft AI!

upvoted 1 times

☐ 👤 **Eltooth** 2 years, 2 months ago

R&S is correct answer.

upvoted 2 times

☐ 👤 **ydu7312** 2 years, 4 months ago

Reliability and safety is correct

upvoted 2 times

heenak55 2 years, 5 months ago

In test on 17 April 2022

upvoted 1 times

---

cormorant 2 years, 5 months ago

handling unusuan and missing values is related to the reliability and safety principle

upvoted 1 times

---

ebra 2 years, 6 months ago

On exam 3/16/2022

upvoted 2 times

DRAG DROP -

Match the types of AI workloads to the appropriate scenarios.

To answer, drag the appropriate workload type from the column on the left to its scenario on the right. Each workload type may be used once, more than once, or not at all.

NOTE: Each correct selection is worth one point.

Select and Place:

Workloads Types

- Anomaly detection
- Computer vision
- Conversational AI
- Knowledge mining
- Natural language processing

Answer Area

Workload Type	An automated chat to answer questions about refunds and exchange
Workload Type	Determining whether a photo contains a person
Workload Type	Determining whether a review is positive or negative

Suggested Answer:

Workloads Types

- Anomaly detection
- Computer vision
- Conversational AI
- Knowledge mining
- Natural language processing

Answer Area

Conversational AI	An automated chat to answer questions about refunds and exchange
Computer vision	Determining whether a photo contains a person
Natural language processing	Determining whether a review is positive or negative

Box 3: Natural language processing

Natural language processing (NLP) is used for tasks such as sentiment analysis, topic detection, language detection, key phrase extraction, and document categorization.

Reference:

https://docs.microsoft.com/en-us/azure/architecture/data-guide/technology-choices/natural-language-processing

---

👤 **gargaditya** `Highly Voted 👍` 3 years, 10 months ago

Answer is correct.

What is Natural Language Processing?
Natural language processing (NLP) is the area of AI that deals with creating software that understands written and spoken language.

NLP enables you to create software that can:

-Analyze text documents to extract key phrases and recognize entities (such as places, dates, or people). ie Text Analytics service

-Perform sentiment analysis to determine how positive or negative the language used in a document is. ie Text Analytics service

-Interpret spoken language, and synthesize speech responses. ie Speech service(speech to text and text to speech)

-Automatically translate spoken or written phrases between languages. ie Text service(for text to text translation)/Speech service(for speech to text/speech translation)

Interpret commands and determine appropriate actions. ie Language Understanding(LUIS) service

upvoted 45 times

☐ 👤 **rdemontis** 1 year, 3 months ago

correct, i agree with you

upvoted 1 times

idioteque `Highly Voted 👍` 2 years ago

I took the exam today 8/19/2022

There's not even NLP or Conversational AI answers on the list. It's now called "Language Service". Both answers on 1 and 3 are "Language Service". I passed the exam with a 916/100 score.

upvoted 14 times

sayurur 4 months ago

appeared on exam 2024-05-03

upvoted 2 times

SethuRam `Most Recent ⊘` 1 year ago

This is repeat Q of Question #25 and there the answer for Chatbot is Knowledge mining instead of Conversational AI

upvoted 2 times

zellck 1 year, 2 months ago

1. Conversational AI

2. Computer vision

3. Natural language processing

https://learn.microsoft.com/en-us/azure/cognitive-services/language-service/sentiment-opinion-mining/overview
Sentiment analysis and opinion mining are features offered by Azure Cognitive Service for Language, a collection of machine learning and AI algorithms in the cloud for developing intelligent applications that involve written language. These features help you find out what people think of your brand or topic by mining text for clues about positive or negative sentiment, and can associate them with specific aspects of the text.

upvoted 3 times

zellck 1 year, 2 months ago

https://learn.microsoft.com/en-us/azure/cognitive-services/computer-vision/overview-image-analysis?tabs=4-0
The Computer Vision Image Analysis service can extract a wide variety of visual features from your images. For example, it can determine whether an image contains adult content, find specific brands or objects, or find human faces.

upvoted 2 times

Eltooth 2 years, 2 months ago

Conversational

Computer Vision

NLP

upvoted 4 times

ydu7312 2 years, 4 months ago

Answer is correct

upvoted 1 times

SiDoCiOuS 2 years, 5 months ago

Appeared on exam: 03/31/2022. Answers are correct!

upvoted 2 times

jumata32 2 years, 7 months ago

this came on my exam 1/27/2022 pass with 985/1000, answer is correct

upvoted 3 times

chaudha4 2 years, 10 months ago

Answers looks Correct. Natural language processing is not just spoken language (recognize and synthesize speech, translation capabilities). It also includes Text Analytics.

upvoted 2 times

ssshhhh 2 years, 11 months ago

The answer is correct, but because each workload can be used more than once, I think NLP can also be used by the chat bot. Any issue with this thought?

upvoted 2 times

berserkguts 3 years, 3 months ago

this was in my exam yesterday, May 31

upvoted 2 times

☐ 👤 **SQLNh** 3 years, 4 months ago

correct answer

upvoted 1 times

☐ 👤 **Kanjati** 3 years, 4 months ago

The answer is correct!

upvoted 2 times

☐ 👤 **Kanjati** 3 years, 4 months ago

The answer is correct!

upvoted 1 times

☐ 👤 **Ash111** 3 years, 5 months ago

ANSWER IS CORRECT

upvoted 3 times

☐ 👤 **heyshomy** 3 years, 5 months ago

Conversational AI; Computer Vision and NLP to Answer Areas 1,2 and 3

upvoted 3 times

☐ 👤 **cron0001** 3 years, 5 months ago

Answer is correct.

upvoted 1 times

You are designing an AI system that empowers everyone, including people who have hearing, visual, and other impairments.
This is an example of which Microsoft guiding principle for responsible AI?

A. fairness

B. inclusiveness

C. reliability and safety

D. accountability

Suggested Answer: *B*
Inclusiveness: At Microsoft, we firmly believe everyone should benefit from intelligent technology, meaning it must incorporate and address a broad range of human needs and experiences. For the 1 billion people with disabilities around the world, AI technologies can be a game-changer.
Reference:
https://docs.microsoft.com/en-us/learn/modules/responsible-ai-principles/4-guiding-principles

Community vote distribution

B (100%)

🗆 👤 **ipindado2020** `Highly Voted 👍` 3 years, 9 months ago
b is ok
upvoted 27 times

　🗆 👤 **sayurur** 4 months ago
　appeared on exam 2024-05-03
　upvoted 2 times

🗆 👤 **scn31** `Highly Voted 👍` 2 years, 4 months ago
I am confused between inclusiveness and fairness. Can someone please brief the differences?
upvoted 5 times

　🗆 👤 **BLUE_BUBBLES** 2 years ago
　Fairness is about reducing bias and empowering people. Inclusiveness is about a system geared towards all people, like visually impaired.
　upvoted 2 times

🗆 👤 **gina_the_boss** `Most Recent ⊘` 1 month, 3 weeks ago
On exam Jul 26, 2024
upvoted 1 times

🗆 👤 **Vanessa23** 10 months, 1 week ago
inclusiveness - all abilities
upvoted 1 times

🗆 👤 **vini23** 12 months ago
this question appeared in Exam on 9/17/23
upvoted 2 times

🗆 👤 **AzlearnRB** 1 year, 1 month ago
on exam july 2023
upvoted 1 times

🗆 👤 **Soke** 1 year, 2 months ago
`Selected Answer: B`
B is correct
upvoted 1 times

🗆 👤 **zellck** 1 year, 2 months ago
`Selected Answer: B`
B is the answer.

https://learn.microsoft.com/en-us/azure/cloud-adoption-framework/innovate/best-practices/trusted-ai#inclusiveness

Inclusiveness mandates that AI should consider all human races and experiences, and inclusive design practices can help developers to understand and address potential barriers that could unintentionally exclude people. Where possible, speech-to-text, text-to-speech, and visual recognition technology should be used to empower people with hearing, visual, and other impairments.

upvoted 2 times

⊟ 👤 **rdemontis** 1 year, 3 months ago

Selected Answer: B

B is correct. Inclusion is one of the main principle

upvoted 2 times

⊟ 👤 **banglori** 1 year, 6 months ago

Found in exam today 19-Mar

upvoted 3 times

⊟ 👤 **shafi1990** 1 year, 7 months ago

In test on 20/01/2023

upvoted 3 times

⊟ 👤 **Gazza1** 2 years, 1 month ago

on exam 27 July

upvoted 2 times

⊟ 👤 **JKRowlings** 2 years, 2 months ago

answer is B.

upvoted 2 times

⊟ 👤 **Eltooth** 2 years, 2 months ago

Selected Answer: B

B is correct answer.

upvoted 2 times

⊟ 👤 **Makei** 2 years, 3 months ago

B is correct.

upvoted 1 times

⊟ 👤 **CalebCheung** 2 years, 3 months ago

B is correct

upvoted 1 times

⊟ 👤 **ydu7312** 2 years, 4 months ago

B is correct

upvoted 1 times

DRAG DROP -

Match the Microsoft guiding principles for responsible AI to the appropriate descriptions.

To answer, drag the appropriate principle from the column on the left to its description on the right. Each principle may be used once, more than once, or not at all.

NOTE: Each correct selection is worth one point.

Select and Place:

Principles

- Accountability
- Fairness
- Inclusiveness
- Privacy and security
- Reliability and safety

Answer Area

Principle	Ensure that AI systems operate as they were originally designed, respond to unanticipated conditions, and resist harmful manipulation.
Principle	Implementing processes to ensure that decisions made by AI systems can be overridden by humans.
Principle	Provide consumers with information and controls over the collection, use, and storage of their data.

Suggested Answer:

Principles

- Accountability
- Fairness
- Inclusiveness
- Privacy and security
- Reliability and safety

Answer Area

Reliability and safety	Ensure that AI systems operate as they were originally designed, respond to unanticipated conditions, and resist harmful manipulation.
Accountability	Implementing processes to ensure that decisions made by AI systems can be overridden by humans.
Privacy and security	Provide consumers with information and controls over the collection, use, and storage of their data.

Box 1: Reliability and safety -

To build trust, it's critical that AI systems operate reliably, safely, and consistently under normal circumstances and in unexpected conditions. These systems should be able to operate as they were originally designed, respond safely to unanticipated conditions, and resist harmful manipulation.

Box 2: Accountability -

The people who design and deploy AI systems must be accountable for how their systems operate. Organizations should draw upon industry standards to develop accountability norms. These norms can ensure that AI systems are not the final authority on any decision that impacts people's lives and that humans maintain meaningful control over otherwise highly autonomous AI systems.

Box 3: Privacy and security -

As AI becomes more prevalent, protecting privacy and securing important personal and business information is becoming more critical and complex. With AI, privacy and data security issues require especially close attention because access to data is essential for AI systems to make accurate and informed predictions and decisions about people. AI systems must comply with privacy laws that require transparency about the collection, use, and storage of data and mandate that consumers have appropriate controls to choose how their data is used

Reference:

https://docs.microsoft.com/en-us/learn/modules/responsible-ai-principles/4-guiding-principles

---

⊟ 👤 **Pukk** `Highly Voted 👍` 3 years, 11 months ago

For the 2nd question, shouldn't it be "accountability" instead of "fairness"?

upvoted 61 times

  ⊟ 👤 **zubfaruq** 3 years, 2 months ago

    Corrected already. Update your comment please, so that it will not mislead

    upvoted 12 times

  ⊟ 👤 **vmontalvao** 3 years, 5 months ago

    That's also my opinion.

upvoted 3 times

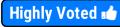**SnakePlissken** 3 years, 5 months ago

Yes.

* Accountability *

The people who design and deploy AI systems must be accountable for how their systems operate. Organizations should draw upon industry standards to develop accountability norms. These norms can ensure that AI systems are not the final authority on any decision that impacts people's lives and that humans maintain meaningful control over otherwise highly autonomous AI systems.
https://docs.microsoft.com/en-us/learn/modules/responsible-ai-principles/4-guiding-principles

upvoted 8 times

imcee_ `Highly Voted 👍` 3 years, 11 months ago

Accountability

The people who design and deploy AI systems must be accountable for how their systems operate. Organizations should draw upon industry standards to develop accountability norms. These norms can ensure that AI systems are not the final authority on any decision that impacts people's lives and that humans maintain meaningful control over otherwise highly autonomous AI systems.

upvoted 31 times

vmontalvao 3 years, 5 months ago

Yes, for the 2nd one.

upvoted 2 times

gina_the_boss `Most Recent ⊘` 1 month, 3 weeks ago

On exam Jul 26, 2024

upvoted 2 times

mgduarte 11 months, 3 weeks ago

1. Confiabilidade e segurança 2. Responsabilidade 3. Privacidade e segurança

upvoted 2 times

zellck 1 year, 2 months ago

1. Reliability and safety
2. Accountability
3. Privacy and security

https://learn.microsoft.com/en-us/azure/cloud-adoption-framework/innovate/best-practices/trusted-ai#reliability-and-safety
AI systems need to be reliable and safe in order to be trusted. It's important for a system to perform as it was originally designed and for it to respond safely to new situations. Its inherent resilience should resist intended or unintended manipulation. Rigorous testing and validation should be established for operating conditions to ensure that the system responds safely to edge cases, and A/B testing and champion/challenger methods should be integrated into the evaluation process.

upvoted 3 times

zellck 1 year, 2 months ago

https://learn.microsoft.com/en-us/azure/cloud-adoption-framework/innovate/best-practices/trusted-ai#privacy-and-security
A data holder is obligated to protect the data in an AI system, and privacy and security are an integral part of this system. Personal needs to be secured, and it should be accessed in a way that doesn't compromise an individual's privacy. Azure differential privacy protects and preserves privacy by randomizing data and adding noise to conceal personal information from data scientists.

upvoted 1 times

zellck 1 year, 2 months ago

https://learn.microsoft.com/en-us/azure/cloud-adoption-framework/innovate/best-practices/trusted-ai#accountability
Accountability is an essential pillar of responsible AI. The people who design and deploy the AI system need to be accountable for its actions and decisions, especially as we progress toward more autonomous systems. Organizations should consider establishing an internal review body that provides oversight, insights, and guidance about developing and deploying AI systems. While this guidance might vary depending on the company and region, it should reflect an organization's AI journey.

upvoted 1 times

rdemontis 1 year, 3 months ago

given answers are correct

upvoted 1 times

idioteque 2 years, 1 month ago

for me to easy remember xD

Reliability & Safety = resist harmful
Accountability = overridden by humans
Privacy & Security = information and controls
upvoted 9 times

☐ 👤 **Eltooth** 2 years, 2 months ago
R&S
Account
P&S
upvoted 2 times

☐ 👤 **ydu7312** 2 years, 4 months ago
Correct answers
upvoted 1 times

☐ 👤 **BharatDixit** 2 years, 5 months ago
Given (EAD) Answer is correct.
upvoted 1 times

☐ 👤 **ebra** 2 years, 6 months ago
On exam 3/16/2022
upvoted 3 times

☐ 👤 **itelessons** 2 years, 7 months ago
Maybe this is helpful to remember: Reliability (as originally designed), Accountability (by humans), Privacy (their data).
upvoted 7 times

☐ 👤 **mudassirsmk27** 2 years, 8 months ago
correct answers
upvoted 1 times

☐ 👤 **mnmcbl** 3 years, 3 months ago
For the 2nd question, Accountability is the right answer.
Human is the ultimate owner of the AI system thus owns the control over the AI.
upvoted 1 times

☐ 👤 **berserkguts** 3 years, 3 months ago
this was in my exam yesterday, May 31
upvoted 1 times

☐ 👤 **SQLNh** 3 years, 4 months ago
The answer for the 2nd is Accountability.
upvoted 1 times

☐ 👤 **Kanjati** 3 years, 4 months ago
Yey this is Accountability!
upvoted 1 times

HOTSPOT -

To complete the sentence, select the appropriate option in the answer area.

Hot Area:

When developing an AI system for self-driving cars, the Microsoft [____ ▼] principle of the for responsible AI should be applied to ensure consistent operation system during unexpected circumstances.

- inclusiveness
- accountability
- reliability and safety
- fairness

Suggested Answer:

When developing an AI system for self-driving cars, the Microsoft [____ ▼] principle of the for responsible AI should be applied to ensure consistent operation system during unexpected circumstances.

- inclusiveness
- accountability
- **reliability and safety**
- fairness

Reliability and safety: To build trust, it's critical that AI systems operate reliably, safely, and consistently under normal circumstances and in unexpected conditions.

These systems should be able to operate as they were originally designed, respond safely to unanticipated conditions, and resist harmful manipulation.

Reference:

https://docs.microsoft.com/en-us/learn/modules/responsible-ai-principles/4-guiding-principles

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SQLNh `Highly Voted 👍` 3 years, 4 months ago

The answer is correct.

upvoted 8 times

  sayurur 4 months ago

  appeared on exam 2024-05-03

  upvoted 1 times

deesol `Most Recent ⊘` 2 months, 3 weeks ago

Reliablity and Safety is correct answer

upvoted 1 times

King_Lam 12 months ago

This question has appeared in Exam 20/9/23. Answer is correct.

upvoted 1 times

zellck 1 year, 2 months ago

1. Reliability and safety

https://learn.microsoft.com/en-us/azure/cloud-adoption-framework/innovate/best-practices/trusted-ai#reliability-and-safety

AI systems need to be reliable and safe in order to be trusted. It's important for a system to perform as it was originally designed and for it to respond safely to new situations. Its inherent resilience should resist intended or unintended manipulation. Rigorous testing and validation should be established for operating conditions to ensure that the system responds safely to edge cases, and A/B testing and champion/challenger methods should be integrated into the evaluation process.

upvoted 1 times

rdemontis 1 year, 3 months ago

correct answer

upvoted 2 times

sisiDev 1 year, 6 months ago

Confiabilidade e segurança

upvoted 1 times

idioteque 2 years, 1 month ago

For me to remember xD

Reliability and Safety = self-driving cars
upvoted 3 times

⊟ 👤 **JKRowlings** 2 years, 2 months ago
Reliability and safety
upvoted 3 times

⊟ 👤 **Eltooth** 2 years, 2 months ago
R&S is correct answer.
upvoted 3 times

⊟ 👤 **ydu7312** 2 years, 4 months ago
Reliability and safety
upvoted 3 times

⊟ 👤 **Marski** 2 years, 9 months ago
These "wtk" things are terrible and not fair..
upvoted 1 times

⊟ 👤 **GodfreyMbizo** 3 years, 4 months ago
emphasis is on Reliability and safety hence answer is correct
upvoted 4 times

⊟ 👤 **Abdulwasiu** 3 years, 5 months ago
Reliability and safety
upvoted 3 times

⊟ 👤 **Jeffdu** 3 years, 6 months ago
The key here is system resilience during unexpected events, so "reliability and safety" is the correct principle
upvoted 4 times

⊟ 👤 **olowoyinka** 3 years, 6 months ago
Answer is correct
upvoted 1 times

⊟ 👤 **tms2020** 3 years, 9 months ago
Yes given answer is correct
upvoted 2 times

You are building an AI system.

Which task should you include to ensure that the service meets the Microsoft transparency principle for responsible AI?

A. Ensure that all visuals have an associated text that can be read by a screen reader.

B. Enable autoscaling to ensure that a service scales based on demand.

C. Provide documentation to help developers debug code.

D. Ensure that a training dataset is representative of the population.

Suggested Answer: *C*

Reference:

https://docs.microsoft.com/en-us/learn/modules/responsible-ai-principles/4-guiding-principles

Community vote distribution

C (97%)

☐ 👤 **dolphin_1923** `Highly Voted 👍` 3 years, 4 months ago

C is correct.

https://docs.microsoft.com/en-us/learn/modules/get-started-ai-fundamentals/7-understand-responsible-ai

upvoted 22 times

☐ 👤 **berserkguts** `Highly Voted 👍` 3 years, 3 months ago

this was in my exam yesterday, May 31

upvoted 8 times

☐ 👤 **serget12** `Most Recent ⊙` 1 week, 2 days ago

I first thought D would be the right answer but C:

Transparency:

AI systems should be understandable. Users should be made fully aware of the purpose of the system, how it works, and what limitations may be expected.

I don't like the full answer but it has the main requirement of "understandable".

upvoted 1 times

☐ 👤 **cinthiaams** 2 months, 3 weeks ago

This was on my exame today 06/24/2024, c is correct (928 score)

upvoted 1 times

☐ 👤 **Genius365** 4 months, 2 weeks ago

C is the right answer.

upvoted 1 times

☐ 👤 **CLVASQUEZ** 4 months, 3 weeks ago

While options A, B, and C are important aspects of building an AI system, they do not directly contribute to the transparency of the AI system as defined by the principle. Option A is more related to accessibility, option B is about scalability, and option C is about providing support for developers, none of which directly ensure transparency in AI decision-making. Therefore, option D is the most appropriate choice to ensure the service meets the Microsoft transparency principle for responsible AI.

upvoted 3 times

☐ 👤 **Gsendra** 4 months, 2 weeks ago

I do not agree with your explanation.

I think the option D isn't appropiate because is related with the inclusiveness principle.

So, the most "correct" answer would see the C option.

upvoted 1 times

☐ 👤 **imadedakir** 7 months ago

Among the options:

A. Ensure that all visuals have an associated text that can be read by a screen reader focuses on accessibility but doesn't directly address transparency.

B. Enable autoscaling is related to system performance but not transparency.

C. Provide documentation to help developers debug code is essential for maintainability but doesn't specifically enhance transparency.

D. Ensure that a training dataset is representative of the population is crucial for fairness and transparency.

Best Choice:

D. Ensure that a training dataset is representative of the population is directly tied to transparency.

A representative dataset helps avoid bias and ensures the model generalizes well to unseen examples.

upvoted 2 times

👤 **BenHung** 8 months ago

The Microsoft transparency principle for responsible AI requires that AI systems are understandable by users and operators. Therefore, the task that directly aligns with this principle is:

D. Ensure that a training dataset is representative of the population. This helps to ensure that the AI system's decisions are fair and unbiased, which is a key aspect of transparency.

Option A, while important for accessibility, does not directly relate to the transparency of an AI system. Option B is more about the performance and scalability of the system, and option C, while important for maintainability, does not directly contribute to the transparency of the AI system from the user's perspective. Therefore, the most appropriate answer is D.

upvoted 5 times

👤 **Shri0506** 8 months, 3 weeks ago

in exam 29 Dec 2023

upvoted 1 times

👤 **vini23** 12 months ago

this question appeared in Exam on 9/17/23

upvoted 1 times

👤 **RJ1989** 1 year, 1 month ago

Selected Answer: C

C is correct.

upvoted 1 times

👤 **Soke** 1 year, 2 months ago

Selected Answer: C

Obv is C

upvoted 2 times

👤 **JohnnyBlaze** 1 year, 2 months ago

Selected Answer: C

Don't forget this statement at the beginning of the question. "You are building an AI system."

So C is correct.

upvoted 2 times

👤 **Mr_Jaye** 1 year, 2 months ago

Selected Answer: C

C is the answer

upvoted 3 times

👤 **zellck** 1 year, 2 months ago

Selected Answer: C

C is the answer.

https://learn.microsoft.com/en-us/azure/cloud-adoption-framework/innovate/best-practices/trusted-ai#transparency

Achieving transparency helps the team to understand the data and algorithms used to train the model, what transformation logic was applied to the data, the final model generated, and its associated assets. This information offers insights about how the model was created, which allows it to be reproduced in a transparent way. Snapshots within Azure Machine Learning workspaces support transparency by recording or retraining all training-related assets and metrics involved in the experiment.

upvoted 2 times

👤 **sowhkk** 1 year, 2 months ago

Selected Answer: B

C is corret

upvoted 1 times

👤 **Malki00** 1 year, 2 months ago

DRAG DROP -

Match the types of AI workloads to the appropriate scenarios.

To answer, drag the appropriate workload type from the column on the left to its scenario on the right. Each workload type may be used once, more than once, or not at all.

NOTE: Each correct selection is worth one point.

Select and Place:

Workload Types

| Anomaly detection |
| Computer vision |
| Machine Learning (Regression) |
| Natural language processing |

Answer Area

Workload Type	Identify handwritten letters.
Workload Type	Predict the sentiment of a social media post.
Workload Type	Identify a fraudulent credit card payment.
Workload Type	Predict next month's toy sales.

Suggested Answer:

Workload Types

| Anomaly detection |
| Computer vision |
| Machine Learning (Regression) |
| Natural language processing |

Answer Area

Computer vision	Identify handwritten letters.
Natural language processing	Predict the sentiment of a social media post.
Anomaly detection	Identify a fraudulent credit card payment.
Machine Learning (Regression)	Predict next month's toy sales.

Reference:

https://docs.microsoft.com/en-us/learn/paths/get-started-with-artificial-intelligence-on-azure/

☐ 👤 **idioteque** `Highly Voted 👍` 2 years, 1 month ago

For me to remember haha xD

Computer vision = identify (object) letters

NLP = sentiment

Anomaly Detection = fraud

Maching Learning (regression) = predict

upvoted 20 times

☐ 👤 **zoop23456789009876543** 11 months, 1 week ago

i love that radiohead song

upvoted 2 times

☐ 👤 **c_sus_sus** `Most Recent ⊙` 4 months, 1 week ago

I have a doubt, social media posts can also be visual (like on instagram,facebook), so the answer to second one should be both NLP and computer vision right?

upvoted 1 times

☐ 👤 **Genius365** 4 months, 2 weeks ago

CV

NLP

AD

ML

upvoted 1 times

☐ 👤 **SantosValera** 12 months ago

All is right!

upvoted 1 times

👤 **zellck** 1 year, 2 months ago

1. Computer vision
2. Natural language processing
3. Anomaly detection
4. ML (Regression)

https://learn.microsoft.com/en-us/azure/cognitive-services/computer-vision/overview-ocr
OCR or Optical Character Recognition is also referred to as text recognition or text extraction. Machine-learning based OCR techniques allow you to extract printed or handwritten text from images, such as posters, street signs and product labels, as well as from documents like articles, reports, forms, and invoices. The text is typically extracted as words, text lines, and paragraphs or text blocks, enabling access to digital version of the scanned text. This eliminates or significantly reduces the need for manual data entry.

upvoted 2 times

⊟ 👤 **zellck** 1 year, 2 months ago

https://learn.microsoft.com/en-us/training/modules/create-regression-model-azure-machine-learning-designer/2-regression-scenarios
Regression is a form of machine learning used to understand the relationships between variables to predict a desired outcome. Regression predicts a numeric label or outcome based on variables, or features. For example, an automobile sales company might use the characteristics of a car (such as engine size, number of seats, mileage, and so on) to predict its likely selling price. In this case, the characteristics of the car are the features, and the selling price is the label.

upvoted 2 times

⊟ 👤 **zellck** 1 year, 2 months ago

https://learn.microsoft.com/en-us/azure/cognitive-services/language-service/sentiment-opinion-mining/overview
Sentiment analysis and opinion mining are features offered by Azure Cognitive Service for Language, a collection of machine learning and AI algorithms in the cloud for developing intelligent applications that involve written language. These features help you find out what people think of your brand or topic by mining text for clues about positive or negative sentiment, and can associate them with specific aspects of the text.

https://learn.microsoft.com/en-us/azure/cognitive-services/anomaly-detector/overview
Anomaly Detector is an AI service with a set of APIs, which enables you to monitor and detect anomalies in your time series data with little machine learning (ML) knowledge, either batch validation or real-time inference.

upvoted 2 times

⊟ 👤 **rdemontis** 1 year, 3 months ago
the answers are correct
upvoted 2 times

⊟ 👤 **aru25** 1 year, 4 months ago
I got in exam 5/9/23.
upvoted 3 times

⊟ 👤 **examsrch** 1 year, 8 months ago
Answer is correct
upvoted 3 times

⊟ 👤 **JKRowlings** 2 years, 2 months ago
Answer is correct.
upvoted 2 times

⊟ 👤 **Eltooth** 2 years, 2 months ago
Answers are correct.
upvoted 1 times

⊟ 👤 **Makei** 2 years, 3 months ago
Answer is correct.
upvoted 2 times

⊟ 👤 **geeeogeee** 2 years, 3 months ago
Ansewr is correct
upvoted 1 times

⊟ 👤 **ydu7312** 2 years, 4 months ago
Answer correct
upvoted 1 times

Mohsin95 2 years, 4 months ago

If we got one match wrong and test all other matches are right, in thus situations whole question will be considered as wrong or no? Please answer

upvoted 1 times

> **Zianghai07** 1 year, 9 months ago
>
> no, correct answers will be considered as correct and have a percentage on ur total score
>
> upvoted 1 times

Jojo_star 2 years, 5 months ago

Appeared in today exam, 04/13/2022

upvoted 1 times

SiDoCiOuS 2 years, 5 months ago

Appeared on exam: 03/31/2022. Answers are correct!

upvoted 2 times

Monr 2 years, 6 months ago

this question exactly come today 20/3/2022 on exam but the choice was " machine learning (clustering)" not regression !!! but the right side was the same !

upvoted 1 times

What are three Microsoft guiding principles for responsible AI? Each correct answer presents a complete solution.
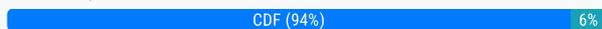
NOTE: Each correct selection is worth one point.

   A. knowledgeability

   B. decisiveness

   C. inclusiveness

   D. fairness

   E. opinionatedness

   F. reliability and safety

Suggested Answer: *CDF*
Reference:
https://docs.microsoft.com/en-us/learn/modules/responsible-ai-principles/4-guiding-principles

Community vote distribution

CDF (94%)	6%

👤 **Ebenezer** `Highly Voted 👍` 3 years, 4 months ago

The six guiding principles are:

1. Fairness

2. Inclusiveness

3. Transparency

4. Privacy and Security

5. Reliability and Safety

6. Accountability

upvoted 31 times

   👤 **donakolab94** 2 years, 9 months ago

   totally agree with you

   upvoted 4 times

👤 **the_NEONBLAZE** `Most Recent ⊙` 2 months ago

Selected Answer: F

hi hi hi hi

upvoted 1 times

👤 **dyna_26022024** 3 months, 3 weeks ago

Inclusiveness

Fairness

Reliability and Safety

upvoted 1 times

👤 **Vanessa23** 10 months, 1 week ago

A. knowledgeability - doesnt exist

B. decisiveness - doesnt exist

C. inclusiveness - correct

D. fairness - correct

E. opinionatedness - doesnt exist

F. reliability and safety - correct

upvoted 1 times

👤 **AzlearnRB** 1 year, 1 month ago

on exam july 2023

upvoted 1 times

👤 **JohnnyBlaze** 1 year, 2 months ago

Selected Answer: CDF

Correct CDF

upvoted 1 times

👤 **zellck** 1 year, 2 months ago

Selected Answer: CDF

CDF is the answer/

https://learn.microsoft.com/en-us/azure/cloud-adoption-framework/innovate/best-practices/trusted-ai#inclusiveness
Inclusiveness mandates that AI should consider all human races and experiences, and inclusive design practices can help developers to understand and address potential barriers that could unintentionally exclude people. Where possible, speech-to-text, text-to-speech, and visual recognition technology should be used to empower people with hearing, visual, and other impairments.

upvoted 1 times

👤 **zellck** 1 year, 2 months ago

https://learn.microsoft.com/en-us/azure/cloud-adoption-framework/innovate/best-practices/trusted-ai#fairness
Fairness is a core ethical principle that all humans aim to understand and apply. This principle is even more important when AI systems are being developed. Key checks and balances need to make sure that the system's decisions don't discriminate or run a gender, race, sexual orientation, or religion bias toward a group or individual.

https://learn.microsoft.com/en-us/azure/cloud-adoption-framework/innovate/best-practices/trusted-ai#reliability-and-safety
AI systems need to be reliable and safe in order to be trusted. It's important for a system to perform as it was originally designed and for it to respond safely to new situations. Its inherent resilience should resist intended or unintended manipulation. Rigorous testing and validation should be established for operating conditions to ensure that the system responds safely to edge cases, and A/B testing and champion/challenger methods should be integrated into the evaluation process.

upvoted 1 times

👤 **zellck** 1 year, 2 months ago

Got this in Jun 2023 exam.

upvoted 1 times

👤 **rdemontis** 1 year, 3 months ago

Selected Answer: CDF

answer is correct!

upvoted 2 times

👤 **KumarRV** 1 year, 7 months ago

CDF Correct Answer

upvoted 3 times

👤 **Jvp21** 1 year, 8 months ago

Selected Answer: CDF

c, d, f

upvoted 3 times

👤 **Vijayachakravarthy** 1 year, 11 months ago

Selected Answer: CDF

CDF is the right answer

upvoted 2 times

👤 **T4321** 2 years ago

Selected Answer: CDF

C, D and F

upvoted 1 times

👤 **KevinWong** 2 years ago

Selected Answer: CDF

CDF are in the principles

upvoted 1 times

👤 **Eltooth** 2 years, 2 months ago

Selected Answer: CDF

CDF are correct answers.

upvoted 3 times

👤 **Makei** 2 years, 3 months ago

1. Fairness
2. Inclusiveness
3. Transparency
4. Privacy and Security
5. Reliability and Safety
6. Accountability

upvoted 1 times

⊟ 👤 **ydu7312** 2 years, 4 months ago

C, D, F correct

upvoted 1 times

⊟ 👤 **HURRICANEDATA** 2 years, 5 months ago

cdF, six principal of responsible ai are

readability and safety

accountability

transparency

fairness

privacy and security

inclusiveness

upvoted 1 times

HOTSPOT -

To complete the sentence, select the appropriate option in the answer area.

Hot Area:

Answer Area

Returning a bounding box that indicates the location of a vehicle in an image is an example of [▼]

| image classification. |
| object detection. |
| optical character recognizer (OCR). |
| semantic segmentation. |

Suggested Answer:

Answer Area

Returning a bounding box that indicates the location of a vehicle in an image is an example of [▼]

| image classification. |
| object detection. |
| optical character recognizer (OCR). |
| semantic segmentation. |

Reference:

https://docs.microsoft.com/en-us/azure/cognitive-services/computer-vision/concept-object-detection

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☐ 👤 **aru25** `Highly Voted 👍` 1 year, 4 months ago

I got in exam 5/9/23.

upvoted 25 times

☐ 👤 **sapien45** 1 year, 2 months ago

Not interested in this information

upvoted 19 times

☐ 👤 **rafcio1990** 4 months, 1 week ago

After a few years, someone could be not interested, but after 2 or 3 months, you probably should be...

upvoted 7 times

☐ 👤 **AzlearnRB** `Highly Voted 👍` 1 year, 1 month ago

on exam july 2023

upvoted 6 times

☐ 👤 **sayurur** 4 months ago

appeared on exam 2024-05-03

upvoted 2 times

☐ 👤 **joanna28** `Most Recent ⊘` 2 months, 2 weeks ago

on exam 28/06/2024

upvoted 1 times

☐ 👤 **Genius365** 4 months, 2 weeks ago

Object Detection

upvoted 1 times

☐ 👤 **ARITRO** 6 months, 1 week ago

In the Exam 8th MARCH 2024

upvoted 3 times

☐ 👤 **4EverStudent** 8 months, 1 week ago

Object detection

  upvoted 1 times

□ 👤 **Vanessa23** 10 months, 1 week ago

Object detection

  upvoted 1 times

□ 👤 **zellck** 1 year, 2 months ago

1. object detection

https://learn.microsoft.com/en-us/azure/cognitive-services/computer-vision/concept-object-detection
Object detection is similar to tagging, but the API returns the bounding box coordinates (in pixels) for each object found in the image. For example, if an image contains a dog, cat and person, the Detect operation will list those objects with their coordinates in the image. You can use this functionality to process the relationships between the objects in an image. It also lets you determine whether there are multiple instances of the same object in an image.

  upvoted 5 times

□ 👤 **lcssilva** 1 year, 3 months ago

caiu no exame do dia 16/06/2023

  upvoted 2 times

□ 👤 **rdemontis** 1 year, 3 months ago

correct

  upvoted 2 times

□ 👤 **Vijayachakravarthy** 1 year, 11 months ago

Object Detection

  upvoted 4 times

□ 👤 **T4321** 2 years ago

Object detection

  upvoted 4 times

□ 👤 **JKRowlings** 2 years, 2 months ago

object detection

  upvoted 4 times

□ 👤 **Eltooth** 2 years, 2 months ago

Object detection is correct answer.

  upvoted 2 times

□ 👤 **ydu7312** 2 years, 4 months ago

Object detection is correct

  upvoted 1 times

□ 👤 **HURRICANEDATA** 2 years, 5 months ago

object detections

  upvoted 1 times

□ 👤 **Pravda** 2 years, 6 months ago

On exam 3.3.2022

  upvoted 2 times

HOTSPOT -

To complete the sentence, select the appropriate option in the answer area.

Hot Area:

Answer Area

| ▼ | is used to generate additional features. |

Feature engineering
Feature selection
Model evaluation
Model training

Suggested Answer:

Answer Area

| ▼ | is used to generate additional features. |

Feature engineering
Feature selection
Model evaluation
Model training

Reference:

https://docs.microsoft.com/en-us/azure/machine-learning/team-data-science-process/create-features

---

☐ 👤 **swapmaverick** `Highly Voted 👍` 2 years, 6 months ago

Answer is Feature Engineering.

Explaination - feature engineering is applied first to generate additional features, and then feature selection is done to eliminate irrelevant, redundant, or highly correlated features.

Reference - https://docs.microsoft.com/en-us/azure/architecture/data-science-process/create-features

upvoted 34 times

☐ 👤 **TariqNawaz** `Highly Voted 👍` 3 years, 3 months ago

Feature engineering

upvoted 13 times

☐ 👤 **Genius365** `Most Recent ⊙` 4 months, 2 weeks ago

Feature Engineering is the right answer.

upvoted 1 times

☐ 👤 **Vanessa23** 10 months, 1 week ago

Feature engineering

upvoted 2 times

☐ 👤 **Jdfer34** 11 months, 3 weeks ago

anwer is true

upvoted 1 times

☐ 👤 **reddyreddy** 11 months, 3 weeks ago

Feature engineering is correct answer!

upvoted 1 times

☐ 👤 **zellck** 1 year, 2 months ago

1. Feature engineering

https://learn.microsoft.com/en-us/azure/machine-learning/how-to-configure-auto-features?view=azureml-api-1#feature-engineering-and-featurization

Although many of the raw data fields can be used directly to train a model, it's often necessary to create additional (engineered) features that provide information that better differentiates patterns in the data. This process is called feature engineering, where the use of domain knowledge of the data is leveraged to create features that, in turn, help machine learning algorithms to learn better.

upvoted 4 times

☐ 👤 **rdemontis** 1 year, 3 months ago

correct answer

upvoted 2 times

☐ 👤 **imsongmingwu** 1 year, 7 months ago

Feature Engineering

upvoted 3 times

☐ 👤 **Vijayachakravarthy** 1 year, 11 months ago

feature engineering

upvoted 1 times

☐ 👤 **Mahi23** 1 year, 12 months ago

Feature Engineering

upvoted 1 times

☐ 👤 **Eltooth** 2 years, 2 months ago

Feature engineering is correct answer.

upvoted 1 times

☐ 👤 **Makei** 2 years, 3 months ago

Keyword = Generate = Engineer

upvoted 3 times

☐ 👤 **ydu7312** 2 years, 4 months ago

Feature engineering

upvoted 1 times

☐ 👤 **HURRICANEDATA** 2 years, 5 months ago

feature engineering

upvoted 2 times

☐ 👤 **heenak55** 2 years, 5 months ago

In test on 17 April 2022

upvoted 1 times

☐ 👤 **Pravda** 2 years, 6 months ago

On exam 3.3.2022

upvoted 2 times

You run a charity event that involves posting photos of people wearing sunglasses on Twitter.

You need to ensure that you only retweet photos that meet the following requirements:

☞ Include one or more faces.

☞ Contain at least one person wearing sunglasses.

What should you use to analyze the images?

    A. the Verify operation in the Face service

    B. the Detect operation in the Face service

    C. the Describe Image operation in the Computer Vision service

    D. the Analyze Image operation in the Computer Vision service

Suggested Answer: *B*

Reference:

https://docs.microsoft.com/en-us/azure/cognitive-services/face/overview

Community vote distribution

B (100%)

☐ 👤 **ipindado2020** `Highly Voted 👍` 3 years, 9 months ago

answer si correct

https://docs.microsoft.com/en-us/azure/cognitive-services/face/concepts/face-detection

Face detect can be requested to detect also glasses attribute

upvoted 27 times

☐ 👤 **profesorklaus** `Highly Voted 👍` 2 years, 6 months ago

"Optionally, face detection can extract a set of face-related attributes, such as head pose, age, emotion, facial hair, and glasses."

https://docs.microsoft.com/en-us/azure/cognitive-services/face/overview

upvoted 8 times

☐ 👤 **vchirag** `Most Recent ⊙` 4 months ago

Computer Vision covers broader image analysis, the Face Service focuses specifically on human faces and offers more specialized features for face-related tasks.

upvoted 3 times

☐ 👤 **imadedakir** 7 months ago

`Selected Answer: B`

https://learn.microsoft.com/en-us/azure/ai-services/computer-vision/overview-identity

upvoted 2 times

☐ 👤 **vini23** 12 months ago

this question appeared in Exam on 9/17/23

upvoted 3 times

☐ 👤 **zellck** 1 year, 2 months ago

`Selected Answer: B`

B is the answer.

https://learn.microsoft.com/en-us/azure/cognitive-services/computer-vision/overview-identity#face-detection-and-analysis

Face detection is required as a first step in all the other scenarios. The Detect API detects human faces in an image and returns the rectangle coordinates of their locations. It also returns a unique ID that represents the stored face data. This is used in later operations to identify or verify faces.

Optionally, face detection can extract a set of face-related attributes, such as head pose, age, emotion, facial hair, and glasses. These attributes are general predictions, not actual classifications. Some attributes are useful to ensure that your application is getting high-quality face data

when users add themselves to a Face service. For example, your application could advise users to take off their sunglasses if they're wearing sunglasses.

upvoted 5 times

⊟ 👤 **rdemontis** 1 year, 3 months ago

Selected Answer: B

answer is correct

upvoted 2 times

⊟ 👤 **AirJordan** 1 year, 8 months ago

B is the correct answer

upvoted 3 times

⊟ 👤 **Jvp21** 1 year, 8 months ago

Selected Answer: B

B. the Detect operation in the Face service

upvoted 3 times

⊟ 👤 **EdilmaM** 2 years, 1 month ago

b is correct

upvoted 1 times

⊟ 👤 **Eltooth** 2 years, 2 months ago

Selected Answer: B

B is correct answer.

upvoted 3 times

⊟ 👤 **Makei** 2 years, 3 months ago

Face Service = Identify Features

upvoted 4 times

⊟ 👤 **ydu7312** 2 years, 4 months ago

B is correct

upvoted 1 times

⊟ 👤 **HURRICANEDATA** 2 years, 5 months ago

detect object in face

upvoted 1 times

⊟ 👤 **heenak55** 2 years, 5 months ago

In test on 17 April 2022

upvoted 1 times

⊟ 👤 **baciga** 2 years, 5 months ago

Selected Answer: B

B is correct

upvoted 1 times

⊟ 👤 **cormorant** 2 years, 5 months ago

use detect operation if you need to ensure that only sunglasses-wearing people pics are retweeted

upvoted 1 times

When you design an AI system to assess whether loans should be approved, the factors used to make the decision should be explainable. This is an example of which Microsoft guiding principle for responsible AI?

A. transparency

B. inclusiveness

C. fairness

D. privacy and security

Suggested Answer: *A*

Achieving transparency helps the team to understand the data and algorithms used to train the model, what transformation logic was applied to the data, the final model generated, and its associated assets. This information offers insights about how the model was created, which allows it to be reproduced in a transparent way.

Incorrect Answers:

B: Inclusiveness mandates that AI should consider all human races and experiences, and inclusive design practices can help developers to understand and address potential barriers that could unintentionally exclude people. Where possible, speech-to-text, text-to-speech, and visual recognition technology should be used to empower people with hearing, visual, and other impairments.

C: Fairness is a core ethical principle that all humans aim to understand and apply. This principle is even more important when AI systems are being developed.

Key checks and balances need to make sure that the system's decisions don't discriminate or run a gender, race, sexual orientation, or religion bias toward a group or individual.

D: A data holder is obligated to protect the data in an AI system, and privacy and security are an integral part of this system. Personal needs to be secured, and it should be accessed in a way that doesn't compromise an individual's privacy.

Reference:

https://docs.microsoft.com/en-us/azure/cloud-adoption-framework/innovate/best-practices/trusted-ai https://docs.microsoft.com/en-us/azure/cloud-adoption-framework/strategy/responsible-ai

Community vote distribution

A (100%)

☐ 👤 **endeesa** `Highly Voted 👍` 1 year, 5 months ago

`Selected Answer: A`

Explainability is all about transparency

upvoted 6 times

☐ 👤 **ARITRO** `Most Recent ⊘` 6 months, 1 week ago

In the Exam 8th MARCH 2024

upvoted 2 times

☐ 👤 **Stephona** 6 months, 1 week ago

A is the answer

upvoted 1 times

☐ 👤 **AC2023** 1 year ago

The key word here is explainable in this question which is transparency

upvoted 2 times

☐ 👤 **AzlearnRB** 1 year, 1 month ago

on exam july 2023

upvoted 1 times

☐ 👤 **zellck** 1 year, 2 months ago

`Selected Answer: A`

A is the answer.

https://learn.microsoft.com/en-us/azure/cloud-adoption-framework/innovate/best-practices/trusted-ai#transparency

Achieving transparency helps the team to understand the data and algorithms used to train the model, what transformation logic was applied to the data, the final model generated, and its associated assets. This information offers insights about how the model was created, which allows it

to be reproduced in a transparent way. Snapshots within Azure Machine Learning workspaces support transparency by recording or retraining all training-related assets and metrics involved in the experiment.

upvoted 1 times

👤 **Visu111** 1 year, 2 months ago

Selected Answer: A

Explainability is transparency!

upvoted 1 times

👤 **rdemontis** 1 year, 3 months ago

Selected Answer: A

Provided answer is correct.
Transparency is one of the guiding principles for responsible AI. It emphasizes the importance of making AI systems explainable and understandable to users and stakeholders. In the given scenario, designing an AI system to assess loan approvals and ensuring that the factors used in the decision-making process are explainable aligns with the principle of transparency. By providing transparency, users and stakeholders can understand how the AI system makes decisions and trust its outcomes.(Chat GPT)

upvoted 1 times

👤 **sahibsadman** 2 years, 1 month ago

A.Transparency

upvoted 3 times

👤 **EdilmaM** 2 years, 1 month ago

a is correct answer. Transparency

upvoted 3 times

👤 **idioteque** 2 years, 1 month ago

For me to remember xD

Loan = Transparency

upvoted 2 times

👤 **JKRowlings** 2 years, 2 months ago

Answer is A. (Transparency)

upvoted 3 times

👤 **Eltooth** 2 years, 2 months ago

Selected Answer: A

A is correct answer.

upvoted 2 times

👤 **DrChats** 2 years, 3 months ago

ON test 14/6/22

upvoted 2 times

👤 **Makei** 2 years, 3 months ago

A
Explain = Transparency

upvoted 2 times

👤 **seroku21** 2 years, 3 months ago

a is correct

upvoted 1 times

👤 **ydu7312** 2 years, 4 months ago

A is correct

upvoted 2 times

HOTSPOT -

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
Providing an explanation of the outcome of a credit loan application is an example of the Microsoft transparency principle for responsible AI.	○	○
A triage bot that prioritizes insurance claims based on injuries is an example of the Microsoft reliability and safety principle for responsible AI.	○	○
An AI solution that is offered at different prices for different sales territories is an example of the Microsoft inclusiveness principle for responsible AI.	○	○

Suggested Answer:

Answer Area

Statements	Yes	No
Providing an explanation of the outcome of a credit loan application is an example of the Microsoft transparency principle for responsible AI.	●	○
A triage bot that prioritizes insurance claims based on injuries is an example of the Microsoft reliability and safety principle for responsible AI.	○	●
An AI solution that is offered at different prices for different sales territories is an example of the Microsoft inclusiveness principle for responsible AI.	○	●

Box 1: Yes -

Achieving transparency helps the team to understand the data and algorithms used to train the model, what transformation logic was applied to the data, the final model generated, and its associated assets. This information offers insights about how the model was created, which allows it to be reproduced in a transparent way.

Box 2: No -

A data holder is obligated to protect the data in an AI system, and privacy and security are an integral part of this system. Personal needs to be secured, and it should be accessed in a way that doesn't compromise an individual's privacy.

Box 3: No -

Inclusiveness mandates that AI should consider all human races and experiences, and inclusive design practices can help developers to understand and address potential barriers that could unintentionally exclude people. Where possible, speech-to-text, text-to-speech, and visual recognition technology should be used to empower people with hearing, visual, and other impairments.

Reference:

https://docs.microsoft.com/en-us/azure/cloud-adoption-framework/innovate/best-practices/trusted-ai

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👤 **Rezaphp** `Highly Voted 👍` 2 years, 8 months ago

I can argue the answer to the 3rd question is "yes" as well. By having different pricing, Microsoft can make its services more accessible or affordable to all types of users, like poor/developed countries

upvoted 28 times

👤 **sdokmak** 2 years, 6 months ago

Yea but country isn't mentioned here. If it was then definitely agree.

upvoted 5 times

👤 **profesorklaus** 2 years, 6 months ago

I agree with sdokmak. Poor/developed countries/territories isn't mentioned here so nothing related to inclusiveness.

upvoted 4 times

   □ 👤 **sdokmak** 2 years, 6 months ago

Would need to specify "poor" or "developed" countries for me to consider it as well.

upvoted 4 times

□ 👤 **jaci** 2 years, 8 months ago

Agree, MS currently provides different cert exam fees for some areas, to help to get them.

upvoted 6 times

   □ 👤 **sayurur** 4 months ago

appeared on exam 2024-05

upvoted 4 times

□ 👤 **gs23mi** `Highly Voted 👍` 2 years, 11 months ago

1 Yes

2 No it should be related to "privacy and security" (see e.g. https://azure.microsoft.com/en-us/services/bot-services/health-bot/#overview)

3 No it should be related to "fairness"

upvoted 21 times

   □ 👤 **TJ001** 2 years, 8 months ago

Inclusiveness of more upstream in the process.. AI decision covering everyone is fairness ..

upvoted 5 times

□ 👤 **ARITRO** `Most Recent ⊘` 6 months, 1 week ago

In the Exam 8th MARCH 2024

upvoted 5 times

□ 👤 **kd333200** 10 months, 2 weeks ago

Answer YYN

Yes. This statement is correct. Providing an explanation for a decision made by an AI system, such as a credit loan application, aligns with the transparency principle, as it helps users understand how and why the decision was made.

Yes. This statement is correct. Prioritizing insurance claims based on injuries is a critical task, and ensuring the reliability and safety of the AI system in such cases is essential. It aligns with the reliability and safety principle.

No. This statement is not an example of the inclusiveness principle. Inclusiveness is more about avoiding bias, discrimination, and ensuring that AI benefits all individuals and groups fairly. Different pricing for different territories may raise concerns about fairness, but it doesn't directly relate to inclusiveness.

upvoted 6 times

□ 👤 **zellck** 1 year, 2 months ago

YNN is the answer.

https://learn.microsoft.com/en-us/azure/cloud-adoption-framework/innovate/best-practices/trusted-ai#transparency

Achieving transparency helps the team to understand the data and algorithms used to train the model, what transformation logic was applied to the data, the final model generated, and its associated assets. This information offers insights about how the model was created, which allows it to be reproduced in a transparent way. Snapshots within Azure Machine Learning workspaces support transparency by recording or retraining all training-related assets and metrics involved in the experiment.

upvoted 1 times

□ 👤 **rdemontis** 1 year, 3 months ago

correct answers

upvoted 1 times

□ 👤 **FabianBigData** 2 years ago

Yes

No

No

upvoted 3 times

□ 👤 **Eltooth** 2 years, 2 months ago

Yes

No

No

upvoted 2 times

DrChats 2 years, 3 months ago

on test 14/6/22

upvoted 2 times

ydu7312 2 years, 4 months ago

Answers are correct

upvoted 2 times

Bis_poh 2 years, 4 months ago

Correct. YNN

upvoted 2 times

HURRICANEDATA 2 years, 5 months ago

i thought 2 should be yes, as some companies might wants to prioritize the claims based on injury so patients get benefit sooner or get treatment faster(depends country to country)

upvoted 1 times

SiDoCiOuS 2 years, 5 months ago

Appeared on exam: 03/31/2022. Answers are correct! Yes, No, No

upvoted 2 times

MohammadKhubeb 2 years, 8 months ago

1. Yes, because the logic rules/patterns used by the must be clear and human understandable so that it can also the knowledge discovery. The very good example is Decision trees, and Forest (Random Forest).

upvoted 1 times

beginnercloud 2 years, 9 months ago

Yes/No/No

upvoted 3 times

DRAG DROP -

Match the principles of responsible AI to appropriate requirements.

To answer, drag the appropriate principles from the column on the left to its requirement on the right. Each principle may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

Principles

| Fairness |
| Privacy and security |
| Reliability and safety |
| Transparency |

Answer Area

The system must not discriminate based on gender, race

Personal data must be visible only to approve

Automated decision-making processes must be recorded so that approved users can identify why a decision was made

Suggested Answer:

Principles

| Fairness |
| Privacy and security |
| Reliability and safety |
| Transparency |

Answer Area

Fairness	The system must not discriminate based on gender, race
Privacy and security	Personal data must be visible only to approve
Transparency	Automated decision-making processes must be recorded so that approved users can identify why a decision was made

Reference:

https://docs.microsoft.com/en-us/azure/cloud-adoption-framework/innovate/best-practices/trusted-ai https://docs.microsoft.com/en-us/learn/modules/responsible-ai-principles/4-guiding-principles

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👤 **Phemmy86** `Highly Voted 👍` 2 years, 10 months ago

Ans is correct

upvoted 14 times

👤 **idioteque** `Highly Voted 👍` 2 years, 1 month ago

For me to remember xD.

Fairness = discriminate

Privacy & Security = personal data

Transparency = decision-making

upvoted 9 times

> 👤 **idioteque** 2 years, 1 month ago
>
> Transparency = should be "recorded"
>
> upvoted 7 times

👤 **gina_the_boss** `Most Recent ⊘` 1 month, 3 weeks ago

On exam Jul 26, 2024

upvoted 2 times

> 👤 **Thomas90sr** 1 month, 2 weeks ago
>
> You're the boss. Thanks
>
> upvoted 1 times

👤 **sai7777** 4 months, 2 weeks ago

What is the difference between "fairness" and "inclusion"?

upvoted 1 times

> 👤 **sujitwarrier11** 3 months, 3 weeks ago

Well inclusiveness is about keeping all types of users in mind while creating the AI application. Eg Face recognition should work for all skin tones.

Fairness is about getting the same output regardless of the type of person. For eg, An AI loan processing application should not accept or deny application based on gender or race

upvoted 4 times

☐ 👤 **BXtheCoder** 6 months, 2 weeks ago

The answer is correct.

upvoted 1 times

☐ 👤 **AzlearnRB** 1 year, 1 month ago

on exam july 2023

upvoted 1 times

☐ 👤 **zellck** 1 year, 2 months ago

1. Fairness
2. Privacy and security
3. Transparency

https://learn.microsoft.com/en-us/azure/cloud-adoption-framework/innovate/best-practices/trusted-ai#fairness

Fairness is a core ethical principle that all humans aim to understand and apply. This principle is even more important when AI systems are being developed. Key checks and balances need to make sure that the system's decisions don't discriminate or run a gender, race, sexual orientation, or religion bias toward a group or individual.

upvoted 2 times

☐ 👤 **zellck** 1 year, 2 months ago

https://learn.microsoft.com/en-us/azure/cloud-adoption-framework/innovate/best-practices/trusted-ai#transparency

Achieving transparency helps the team to understand the data and algorithms used to train the model, what transformation logic was applied to the data, the final model generated, and its associated assets. This information offers insights about how the model was created, which allows it to be reproduced in a transparent way. Snapshots within Azure Machine Learning workspaces support transparency by recording or retraining all training-related assets and metrics involved in the experiment.

upvoted 1 times

☐ 👤 **zellck** 1 year, 2 months ago

https://learn.microsoft.com/en-us/azure/cloud-adoption-framework/innovate/best-practices/trusted-ai#privacy-and-security

A data holder is obligated to protect the data in an AI system, and privacy and security are an integral part of this system. Personal needs to be secured, and it should be accessed in a way that doesn't compromise an individual's privacy. Azure differential privacy protects and preserves privacy by randomizing data and adding noise to conceal personal information from data scientists.

upvoted 1 times

☐ 👤 **lcssilva** 1 year, 3 months ago

caiu no exame do dia 16/06/2023

upvoted 2 times

☐ 👤 **rdemontis** 1 year, 3 months ago

correct answers

upvoted 1 times

☐ 👤 **JKRowlings** 2 years, 2 months ago

Fairness

Privacy & Security

Transparency

upvoted 4 times

☐ 👤 **Eltooth** 2 years, 2 months ago

Fairness

Privacy & Security

Transparency

upvoted 1 times

☐ 👤 **Makei** 2 years, 3 months ago

Equity = Fairness

Personal Data = Privacy

Explain/Why = Transparency

upvoted 2 times

☐ 👤 **AmitRath** 2 years, 3 months ago

Answer is correct

upvoted 1 times

☐ 👤 **ydu7312** 2 years, 4 months ago

Answers are correct

upvoted 1 times

☐ 👤 **Prakash_thakur** 2 years, 6 months ago

Is it for azure AI Fundamentals exams preparation

upvoted 1 times

☐ 👤 **itelessons** 2 years, 7 months ago

Fairness (not discriminate), Privacy (personal data), Transparency (identify why)

upvoted 3 times

☐ 👤 **TJ001** 2 years, 8 months ago

only to approvers ?

upvoted 1 times

DRAG DROP -

You plan to deploy an Azure Machine Learning model as a service that will be used by client applications.

Which three processes should you perform in sequence before you deploy the model? To answer, move the appropriate processes from the list of processes to the answer area and arrange them in the correct order.

Select and Place:

Processes

- data encryption
- model retraining
- model training
- data preparation
- model evaluation

Answer Area

Suggested Answer:

Processes
- data encryption
- model retraining

Answer Area
- data preparation
- model training
- model evaluation

Reference:

https://docs.microsoft.com/en-us/azure/machine-learning/concept-ml-pipelines

---

☐ 👤 **Marskmen** `Highly Voted 👍` 2 years, 10 months ago

Answer is correct

Data Prep

Train Model

Evaluate Model

upvoted 21 times

☐ 👤 **zellck** `Highly Voted 👍` 1 year, 2 months ago

1. data preparation

2. model training

3. model evaluation

1. Ingest and prepare dataset

2. Split data randomly into training and validation data

3. Train model.

4. Evaluate model against validation dataset

https://learn.microsoft.com/en-us/training/modules/use-automated-machine-learning/5-machine-learning-steps
upvoted 6 times

⊟ 👤 **BXtheCoder** `Most Recent ⊙` 6 months, 2 weeks ago
Answer is correct.
upvoted 1 times

⊟ 👤 **rdemontis** 1 year, 3 months ago
correct answer
upvoted 1 times

⊟ 👤 **shafi1990** 1 year, 7 months ago
In test on 20/01/2023
with slight variation
upvoted 5 times

⊟ 👤 **Jvp21** 1 year, 8 months ago
Data Prep
Training Mode
Evaluation Mode
upvoted 3 times

⊟ 👤 **T4321** 2 years ago
Data Prep
Train Model
Evaluate Model
upvoted 1 times

⊟ 👤 **idioteque** 2 years, 1 month ago
For me to remember xD.

Data Prep
Training Mode
Evaluation Mode
upvoted 1 times

⊟ 👤 **Kopsy** 2 years, 1 month ago
Answer is correct
upvoted 2 times

⊟ 👤 **tomtmario** 2 years, 2 months ago
data prep
train model
evaluate model
upvoted 1 times

⊟ 👤 **Eltooth** 2 years, 2 months ago
Data Prep
Train Model
Evaluate Model
upvoted 1 times

⊟ 👤 **ydu7312** 2 years, 4 months ago
Answer is correct
upvoted 1 times

⊟ 👤 **heenak55** 2 years, 5 months ago
In test on 17 April 2022
upvoted 2 times

⊟ 👤 **Jojo_star** 2 years, 5 months ago
Appeared in today exam, 04/13/2022
upvoted 2 times

Pravda 2 years, 6 months ago

On exam 3.3.2022

upvoted 3 times

Mxp121 2 years, 6 months ago

Correct

Data prep>Model Training>Model Eva> Model retraining>Data Encr

upvoted 2 times

jumata32 2 years, 7 months ago

this came on my exam 1/27/2022 pass with 985/1000, answer is correct

upvoted 2 times

Espresso_scallions 2 years, 6 months ago

Why not 1000/1000?

upvoted 2 times

Prakash_thakur 2 years, 6 months ago

Is it correct place for Azure AI fundamentals exams preparation

upvoted 2 times

You are building an AI-based app.

You need to ensure that the app uses the principles for responsible AI.

Which two principles should you follow? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

A. Implement an Agile software development methodology

B. Implement a process of AI model validation as part of the software review process

C. Establish a risk governance committee that includes members of the legal team, members of the risk management team, and a privacy officer

D. Prevent the disclosure of the use of AI-based algorithms for automated decision making

Suggested Answer: *BC*

Reference:

https://docs.microsoft.com/en-us/azure/cloud-adoption-framework/innovate/best-practices/trusted-ai https://docs.microsoft.com/en-us/learn/modules/responsible-ai-principles/3-implications-responsible-ai-practical

Community vote distribution

BC (100%)

☐ 👤 **Marskmen** `Highly Voted 👍` 2 years, 10 months ago

B and C are correct. B ensures reliability and safety principle and C ensures privacy and security principle of AI.

upvoted 18 times

☐ 👤 **Shri0506** `Most Recent ⊘` 8 months, 3 weeks ago

in exam 29 Dec 2023

upvoted 1 times

☐ 👤 **Gregorius** 9 months, 1 week ago

This reference is not available any more: https://docs.microsoft.com/en-us/azure/cloud-adoption-framework/innovate/best-practices/trusted-ai https://docs.microsoft.com/en-us/learn/modules/responsible-ai-principles/3-implications-responsible-ai-practical

upvoted 1 times

☐ 👤 **Vanessa23** 10 months, 1 week ago

B and C, core AI principles

upvoted 1 times

☐ 👤 **vini23** 12 months ago

this question appeared in Exam on 9/17/23

upvoted 2 times

☐ 👤 **Darlia** 1 year, 2 months ago

B and C

upvoted 1 times

☐ 👤 **zellck** 1 year, 2 months ago

`Selected Answer: BC`

BC is the answer.

https://learn.microsoft.com/en-us/azure/cloud-adoption-framework/innovate/best-practices/trusted-ai#reliability-and-safety

AI systems need to be reliable and safe in order to be trusted. It's important for a system to perform as it was originally designed and for it to respond safely to new situations. Its inherent resilience should resist intended or unintended manipulation. Rigorous testing and validation should be established for operating conditions to ensure that the system responds safely to edge cases, and A/B testing and champion/challenger methods should be integrated into the evaluation process.

upvoted 3 times

☐ 👤 **zellck** 1 year, 2 months ago

https://learn.microsoft.com/en-us/azure/cloud-adoption-framework/innovate/best-practices/trusted-ai#accountability

Accountability is an essential pillar of responsible AI. The people who design and deploy the AI system need to be accountable for its actions

and decisions, especially as we progress toward more autonomous systems. Organizations should consider establishing an internal review body that provides oversight, insights, and guidance about developing and deploying AI systems. While this guidance might vary depending on the company and region, it should reflect an organization's AI journey.

upvoted 3 times

⊟ 👤 **rdemontis** 1 year, 3 months ago

Selected Answer: BC

correct answer. B --> Safety and reliability, C --> Privacy and security

upvoted 2 times

⊟ 👤 **Peksyde** 1 year, 7 months ago

B - Reliability and Safety, C - Accountability

upvoted 2 times

⊟ 👤 **shafi1990** 1 year, 7 months ago

In test on 20/01/2023

upvoted 4 times

⊟ 👤 **Jvp21** 1 year, 8 months ago

Selected Answer: BC

BC are correct

upvoted 2 times

⊟ 👤 **JKRowlings** 2 years, 2 months ago

B and C are the correct answer

upvoted 3 times

⊟ 👤 **Eltooth** 2 years, 2 months ago

Selected Answer: BC

B and C are correct answers.

upvoted 1 times

⊟ 👤 **Szakalos** 2 years, 3 months ago

Selected Answer: BC

B, C are correct

upvoted 2 times

⊟ 👤 **ydu7312** 2 years, 4 months ago

B, C are correct

upvoted 1 times

⊟ 👤 **baciga** 2 years, 5 months ago

Selected Answer: BC

B C are correct

upvoted 3 times

⊟ 👤 **G_unit_19** 2 years, 6 months ago

Selected Answer: BC

B & C are correct

upvoted 2 times

HOTSPOT -

To complete the sentence, select the appropriate option in the answer area.

Hot Area:

Answer Area

According to Microsoft's [▼] principle of responsible AI,

| accountability |
| fairness |
| inclusiveness |
| transparency |

AI systems should **NOT** reflect biases from the data sets that are used to train the systems.

Suggested Answer:

Answer Area

According to Microsoft's [▼] principle of responsible AI,

| accountability |
| **fairness** |
| inclusiveness |
| transparency |

AI systems should **NOT** reflect biases from the data sets that are used to train the systems.

Reference:

https://docs.microsoft.com/en-us/azure/cloud-adoption-framework/innovate/best-practices/trusted-ai

---

👤 **N9** `Highly Voted 👍` 2 years, 5 months ago

key > bais = fairness

upvoted 15 times

> 👤 **rdemontis** 1 year, 3 months ago
>
> agree with you
>
> upvoted 4 times

👤 **endeesa** `Highly Voted 👍` 1 year, 5 months ago

Inclusiveness = accessible to all

Fairness = treat all without prejudice or bias

Answer has to be fairness

upvoted 7 times

👤 **babu85** `Most Recent ⊘` 3 months, 3 weeks ago

Fairness & Inclusiveness seems to be closer options together

upvoted 1 times

👤 **Vanessa23** 10 months, 1 week ago

fairness = not bias

upvoted 2 times

👤 **zellck** 1 year, 2 months ago

1. fairness

https://learn.microsoft.com/en-us/azure/cloud-adoption-framework/innovate/best-practices/trusted-ai#fairness

Fairness is a core ethical principle that all humans aim to understand and apply. This principle is even more important when AI systems are being

developed. Key checks and balances need to make sure that the system's decisions don't discriminate or run a gender, race, sexual orientation, or religion bias toward a group or individual.

upvoted 2 times

zellck 1 year, 2 months ago

Got this in Jun 2023 exam.

upvoted 2 times

T4321 2 years ago

Fairness

upvoted 2 times

Eltooth 2 years, 2 months ago

Fairness is correct answer.

upvoted 3 times

Makei 2 years, 3 months ago

Fairness = not biased

upvoted 1 times

ydu7312 2 years, 4 months ago

Answer is correct

upvoted 1 times

crainos 2 years, 10 months ago

fairness is correct

upvoted 2 times

Marskmen 2 years, 10 months ago

Fairness is the correct answer, as the keyword here is Bias. Transparency involves the disclosure of how the algorithm reached a specific result.

upvoted 6 times

TJ001 2 years, 8 months ago

agreed + it is the output of the system which is fairness .. inclusiveness is at upstream in AI (in this case dataset could have actually included all the variety of data)

upvoted 2 times

da26789 2 years, 10 months ago

i think it should be Transparancy

upvoted 1 times

HOTSPOT -

Select the answer that correctly completes the sentence.

Hot Area:

Answer Area

According to Microsoft's [▼] principle of responsible AI,

accountability
fairness
inclusiveness
transparency

AI systems should **NOT** reflect biases from the data sets that are used to train the systems.

Suggested Answer:

Answer Area

According to Microsoft's [▼] principle of responsible AI,

accountability
fairness
inclusiveness
transparency

AI systems should **NOT** reflect biases from the data sets that are used to train the systems.

Fairness is a core ethical principle that all humans aim to understand and apply. This principle is even more important when AI systems are being developed. Key checks and balances need to make sure that the system's decisions don't discriminate or run a gender, race, sexual orientation, or religion bias toward a group or individual.

Reference:

https://docs.microsoft.com/en-us/azure/cloud-adoption-framework/innovate/best-practices/trusted-ai

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☐ 👤 **ctasantos** `Highly Voted 👍` 1 year, 4 months ago

dup of #23

upvoted 10 times

☐ 👤 **cochileiro** `Highly Voted 👍` 1 year, 7 months ago

it's repeated

upvoted 6 times

☐ 👤 **Chuckc85** `Most Recent ⊘` 6 months, 4 weeks ago

Same as question 23

upvoted 3 times

☐ 👤 **zellck** 1 year, 2 months ago

Same as Question 23.

https://www.examtopics.com/discussions/microsoft/view/64840-exam-ai-900-topic-1-question-23-discussion

upvoted 3 times

☐ 👤 **zellck** 1 year, 2 months ago

1. fairness

https://learn.microsoft.com/en-us/azure/cloud-adoption-framework/innovate/best-practices/trusted-ai#fairness

Fairness is a core ethical principle that all humans aim to understand and apply. This principle is even more important when AI systems are being developed. Key checks and balances need to make sure that the system's decisions don't discriminate or run a gender, race, sexual orientation, or religion bias toward a group or individual.

⊟ 👤 **LivingOnTheEdge** 1 year, 9 months ago

look above lol #23

⊟ 👤 **LivingOnTheEdge** 1 year, 9 months ago

look above lol #23

DRAG DROP -

Match the types of AI workloads to the appropriate scenarios.

To answer, drag the appropriate workload type from the column on the left to its scenario on the right. Each workload type may be used once, more than once, or not at all.

NOTE: Each correct selection is worth one point.

Select and Place:

Workload Types

| Anomaly detection |
| Computer vision |
| Knowledge mining |
| Natural language processing |

Answer Area

Workload type	An automated chatbot to answer questions about refunds and exchanges
Workload type	Determining whether a photo contains a person
Workload type	Determining whether a review is positive or negative

Suggested Answer:

Workload Types

| Anomaly detection |
| Computer vision |
| Knowledge mining |
| Natural language processing |

Answer Area

Knowledge mining	An automated chatbot to answer questions about refunds and exchanges
Computer vision	Determining whether a photo contains a person
Natural language processing	Determining whether a review is positive or negative

Box 1: Knowledge mining -

You can use Azure Cognitive Search's knowledge mining results and populate your knowledge base of your chatbot.

Box 2: Computer vision -

Box 3: Natural language processing

Natural language processing (NLP) is used for tasks such as sentiment analysis.

Reference:

https://docs.microsoft.com/en-us/azure/architecture/data-guide/technology-choices/natural-language-processing

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☐ 👤 **BLUE_BUBBLES** `Highly Voted 👍` 2 years ago

knowledge mining is not chatbot. it's Natural Language Processing.

upvoted 31 times

   ☐ 👤 **sassy2023** 2 years ago

   i think FAQ bots can do knowledge mining on predefined FAQ dataset.

   https://azure.microsoft.com/en-us/solutions/knowledge-mining/#products

   upvoted 8 times

☐ 👤 **joaquin37** `Highly Voted 👍` 1 year, 8 months ago

Shouldn't the 1st one be Conversational AI? Altho bots can be built to explore the indexed data from Knowledge Mining.

upvoted 18 times

☐ 👤 **ptmk** `Most Recent ⏱` 1 month, 1 week ago

knowledge mining.. Explore the newly indexed data via search, bots, existing business applications, and data visualizations.https://azure.microsoft.com/en-us/solutions/knowledge-mining/#tabxcf52f051b79e4b58b6bac20c2d430f7d
upvoted 1 times

☐ 👤 **mary_rad** 2 months, 1 week ago

The answer should be: NLP-CV-NLP

Here's the statement from NLP module:

"In the following example, a chat bot uses natural language and provides options to a customer to best handle their query."

Reference: https://learn.microsoft.com/en-us/training/modules/build-faq-chatbot-qna-maker-azure-bot-service/2-understand-question-answering?ns-enrollment-type=learningpath&ns-enrollment-id=learn.wwl.explore-natural-language-processing

upvoted 3 times

☐ 👤 **tsummey** 2 months, 3 weeks ago

Answer: NLM, CV, NLM

I understand the chatbot question is debatable.

A chatbot would use NLM to process and answer user questions about refunds and exchanges. It involves analyzing the text, finding the intent, and creating a response that is correct and related to the question. It would use Knowledge Mining to look through documents, FAQs, and other data sources to find answers to user questions. A possible solution for a chatbot to handle refunds and exchanges would combine both:

• NLP to communicate with the user and comprehend their queries

• Knowledge Mining to access the relevant information from the company's rules and data sources to provide correct responses

However, if I had to choose one, NLM would typically be the preferable option for several reasons that include:

• Immediate Engagement

• Customer Satisfaction

• Instant Processing

• Flexibility

upvoted 4 times

☐ 👤 **gina_the_boss** 2 months, 2 weeks ago

I'd pick the same

upvoted 1 times

☐ 👤 **seaun** 6 months, 2 weeks ago

It should be Natural Language Processing

upvoted 2 times

☐ 👤 **MackD** 7 months, 3 weeks ago

Answer is not fully correct. It should be:

1. Generative AI. (Yes, i Know it is nog a given option, read below).

2. Computer Vision.

3. NLP.

https://learn.microsoft.com/en-us/training/modules/get-started-ai-fundamentals/6-understand-generative-ai

Generative AI applications take in natural language input, and return appropriate responses in a variety of formats including natural language, image, code, and audio.

"Generative AI describes a category of capabilities within AI that create original content. People typically interact with generative AI that has been built into chat applications. Generative AI applications take in natural language input, and return appropriate responses in a variety of formats including natural language, image, code, and audio."

upvoted 1 times

☐ 👤 **SethuRam** 1 year ago

This is repeat Q of Question #7 and there the answer was Conversational AI for Chatbot though we had the options Knowledge mining and Conversational AI

upvoted 9 times

☐ 👤 **Williehk** 1 year, 1 month ago

Technically it can be counted as rule-based expert systems falling under knowledge mining, which is the old and legacy way of doing chatbots, but it still counts.

upvoted 2 times

   👤 **AzlearnRB** 1 year, 1 month ago

on exam july 2023

upvoted 2 times

👤 **zellck** 1 year, 2 months ago

Same as Question 7.

https://www.examtopics.com/discussions/microsoft/view/35221-exam-ai-900-topic-1-question-7-discussion

upvoted 3 times

👤 **zellck** 1 year, 2 months ago

1. Natural language processing

2. Computer vision

3. Natural language processing

https://learn.microsoft.com/en-us/azure/cognitive-services/computer-vision/overview-image-analysis?tabs=4-0

The Computer Vision Image Analysis service can extract a wide variety of visual features from your images. For example, it can determine whether an image contains adult content, find specific brands or objects, or find human faces.

upvoted 10 times

   👤 **zellck** 1 year, 2 months ago

Gotten this in Jun 2023 exam.

upvoted 2 times

   👤 **zellck** 1 year, 2 months ago

https://learn.microsoft.com/en-us/azure/cognitive-services/language-service/sentiment-opinion-mining/overview

Sentiment analysis and opinion mining are features offered by Azure Cognitive Service for Language, a collection of machine learning and AI algorithms in the cloud for developing intelligent applications that involve written language. These features help you find out what people think of your brand or topic by mining text for clues about positive or negative sentiment, and can associate them with specific aspects of the text.

upvoted 1 times

   👤 **CleverTeoh** 1 year ago

the first one may be conversational AI?

upvoted 2 times

👤 **lcssilva** 1 year, 3 months ago

caiu no exame do dia 16/06/2023

upvoted 4 times

👤 **rdemontis** 1 year, 3 months ago

In my opinion the first answer in not correct. It should be Conversational AI but probably it was missed for a mistake. The less worst is NLP

upvoted 5 times

👤 **fguglia** 1 year, 6 months ago

For me they are corrects!

upvoted 3 times

👤 **abhimukh19** 1 year, 8 months ago

Answer is correct given Conversational AI is not in Options

upvoted 5 times

👤 **LivingOnTheEdge** 1 year, 9 months ago

crap question delete this

upvoted 5 times

DRAG DROP -

Match the machine learning tasks to the appropriate scenarios.

To answer, drag the appropriate task from the column on the left to its scenario on the right. Each task may be used once, more than once, or not at all.

NOTE: Each correct selection is worth one point.

Select and Place:

Learning Types

| Feature engineering |
| Feature selection |
| Model deployment |
| Model evaluation |
| Model training |

Answer Area

Task	Examining the values of a confusion matrix
Task	Splitting a date into month, day, and year fields
Task	Picking temperature and pressure to train a weather model

Suggested Answer:

Learning Types

| Feature engineering |
| Feature selection |
| Model deployment |
| Model evaluation |
| Model training |

Answer Area

Model evaluation	Examining the values of a confusion matrix
Feature engineering	Splitting a date into month, day, and year fields
Feature selection	Picking temperature and pressure to train a weather model

Box 1: Model evaluation -

The Model evaluation module outputs a confusion matrix showing the number of true positives, false negatives, false positives, and true negatives, as well as
ROC, Precision/Recall, and Lift curves.

Box 2: Feature engineering -

Feature engineering is the process of using domain knowledge of the data to create features that help ML algorithms learn better. In Azure Machine Learning, scaling and normalization techniques are applied to facilitate feature engineering. Collectively, these techniques and feature engineering are referred to as featurization.

Note: Often, features are created from raw data through a process of feature engineering. For example, a time stamp in itself might not be useful for modeling until the information is transformed into units of days, months, or categories that are relevant to the problem, such as holiday versus working day.

Box 3: Feature selection -

In machine learning and statistics, feature selection is the process of selecting a subset of relevant, useful features to use in building an analytical model. Feature selection helps narrow the field of data to the most valuable inputs. Narrowing the field of data helps reduce noise and improve training performance.

Reference:

https://docs.microsoft.com/en-us/azure/machine-learning/studio/evaluate-model-performance https://docs.microsoft.com/en-us/azure/machine-learning/concept-automated-ml

---

☐ 👤 **idioteque** `Highly Voted 👍` 2 years, 1 month ago

For me to remember again xD

Model Evalution = values

Feature engineering = splitting

Feature selection = picking

upvoted 36 times

☐ 👤 **ipindado2020** `Highly Voted 👍` 3 years, 9 months ago

answer is correct

upvoted 22 times

☐ 👤 **gina_the_boss** `Most Recent ⊘` 2 months, 2 weeks ago

doesn't look like anyone in this thread had this question in their test?

upvoted 1 times

☐ 👤 **MNotABot** 6 months, 2 weeks ago

Examining = Evaluation

Spliting = new Features = Feature Engineering

Picking = Selection = Feature Selection

upvoted 9 times

☐ 👤 **Bouncy** 6 months, 3 weeks ago

Maybe these examples help understanding the different concepts:

Feature Engineering Example: If you have data about a house's width and length, you could create a new feature called "area" by multiplying the width and length together. This new feature provides additional valuable information that can help the model make better predictions.

Feature Selection Example: If you have a list of features such as house width, length, height, and color, feature selection helps you identify which features have the most impact on predicting the house price. By selecting only the key features (e.g., width and length) and discarding less important ones (e.g., height and color), you reduce the complexity of the model without losing predictive power.

upvoted 8 times

☐ 👤 **gina_the_boss** 2 months, 2 weeks ago

this is helpful. thanks

upvoted 1 times

☐ 👤 **zellck** 1 year, 2 months ago

1. Model evaluation

2. Feature engineering

3. Feature selection

https://learn.microsoft.com/en-us/azure/machine-learning/how-to-configure-auto-features?view=azureml-api-1#feature-engineering-and-featurization

Although many of the raw data fields can be used directly to train a model, it's often necessary to create additional (engineered) features that provide information that better differentiates patterns in the data. This process is called feature engineering, where the use of domain knowledge of the data is leveraged to create features that, in turn, help machine learning algorithms to learn better.

upvoted 3 times

☐ 👤 **zellck** 1 year, 2 months ago

https://learn.microsoft.com/en-us/azure/architecture/data-science-process/select-features

- feature engineering: This process attempts to create additional relevant features from the existing raw features in the data, and to increase predictive power to the learning algorithm.

- feature selection: This process selects the key subset of original data features in an attempt to reduce the dimensionality of the training problem.

upvoted 1 times

☐ 👤 **rdemontis** 1 year, 3 months ago

answer is correct

upvoted 2 times

☐ 👤 **XtraWest** 1 year, 5 months ago

Evaluation = Confusion

Engineering = Splitting

Selecting = Picking

upvoted 1 times

☐ 👤 **banglori** 1 year, 6 months ago

Model Evaluation, Featrue Engg, Feature Select
upvoted 2 times

⊟ 👤 **caeehh** 1 year, 8 months ago
Evaluation = Examining
Engineering = Splitting
Selection = Picking
upvoted 4 times

⊟ 👤 **EdilmaM** 2 years, 1 month ago
The answer is correct: Model Evaluation, Feature Engineering, Feature Selection
upvoted 1 times

⊟ 👤 **Eltooth** 2 years, 2 months ago
Model Evaluation
Feature Engineering
Feature Selection
upvoted 2 times

⊟ 👤 **ydu7312** 2 years, 4 months ago
Answer is correct
upvoted 1 times

⊟ 👤 **Jojo_star** 2 years, 5 months ago
Appeared in today exam, 04/13/2022
upvoted 1 times

⊟ 👤 **SiDoCiOuS** 2 years, 5 months ago
Appeared on exam: 03/31/2022. Answers are correct!
Model Evaluation
Feature Engineering
Feature Selection
upvoted 2 times

⊟ 👤 **akatsuki38** 3 years, 1 month ago
Model Evaluation
Feature Engineering
Feature Selection
upvoted 3 times

⊟ 👤 **Kanjati** 3 years, 4 months ago
The answer is correct
upvoted 1 times

HOTSPOT -

To complete the sentence, select the appropriate option in the answer area.

Hot Area:

Answer Area

Data values that influence the prediction of a model are called [▼]

| dependant variables. |
| features. |
| identifiers. |
| labels. |

Suggested Answer:

Answer Area

Data values that influence the prediction of a model are called [▼]

| dependant variables. |
| **features.** |
| identifiers. |
| labels. |

Reference:

https://www.baeldung.com/cs/feature-vs-label

https://machinelearningmastery.com/discover-feature-engineering-how-to-engineer-features-and-how-to-get-good-at-it/

☐ 👤 **Vijaya** `Highly Voted 👍` 3 years, 11 months ago

Answer is Features

upvoted 93 times

☐ 👤 **Mahesh_mm** `Highly Voted 👍` 3 years, 11 months ago

Features is right answer

upvoted 18 times

☐ 👤 **gina_the_boss** `Most Recent ⊘` 1 month, 3 weeks ago

On exam Jul 26, 2024

upvoted 1 times

☐ 👤 **zellck** 1 year, 2 months ago

1. features

https://learn.microsoft.com/en-us/training/modules/create-regression-model-azure-machine-learning-designer/2-regression-scenarios

Regression is a form of machine learning used to understand the relationships between variables to predict a desired outcome. Regression predicts a numeric label or outcome based on variables, or features. For example, an automobile sales company might use the characteristics of a car (such as engine size, number of seats, mileage, and so on) to predict its likely selling price. In this case, the characteristics of the car are the features, and the selling price is the label.

upvoted 7 times

☐ 👤 **rdemontis** 1 year, 3 months ago

correct

upvoted 2 times

☐ 👤 **XtraWest** 1 year, 5 months ago

Input = Features

upvoted 3 times

☐ 👤 **Bouncy** 6 months, 3 weeks ago

Information = Features

Input is full of irrelevant stuff like filler words, it's inaccurate to describe it as you did

upvoted 2 times

☐ 👤 **rdemontis** 1 year, 3 months ago

indeed

upvoted 1 times

☐ 👤 **JKRowlings** 2 years, 2 months ago

Answer is Features

upvoted 2 times

☐ 👤 **Eltooth** 2 years, 2 months ago

Features is correct answer.

upvoted 1 times

☐ 👤 **Eltooth** 2 years, 2 months ago

Features is correct answer.

upvoted 1 times

☐ 👤 **ydu7312** 2 years, 4 months ago

Answer is features

upvoted 1 times

☐ 👤 **Mxp121** 2 years, 6 months ago

I remember it as Data = Features i.e Words items, and Price or No = Lables - Answer is correcct

upvoted 5 times

☐ 👤 **vhogstad** 1 year, 6 months ago

Is this want you mean ?

Data = Features
Price or Number = Labels

upvoted 1 times

☐ 👤 **Mxp121** 2 years, 6 months ago

I remember it as Data = Features i.e Words items, and Price or No = Lables

upvoted 2 times

☐ 👤 **akatsuki38** 3 years, 1 month ago

Features

upvoted 1 times

☐ 👤 **Babuni** 3 years, 4 months ago

Feature selection and engineering directly impact the predicted labels.
Answer should be Features.

upvoted 2 times

☐ 👤 **spykidXX** 3 years, 4 months ago

features

upvoted 2 times

☐ 👤 **Kanjati** 3 years, 4 months ago

features! a result is a label

upvoted 1 times

☐ 👤 **PGG** 3 years, 4 months ago

Tricky one, all features must be dependant variables for the labeled data. So more correct answer will be A, as not all Features add value to prediction. That's why you have a module for Feature Selection...maybe I will choose A over B
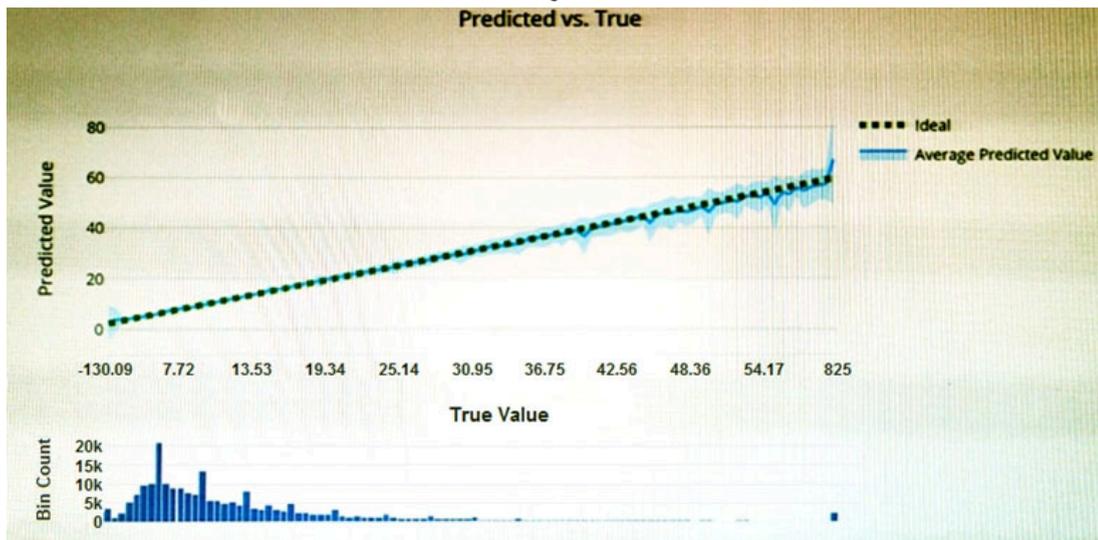
upvoted 2 times

☐ 👤 **PaulChimzy** 3 years, 3 months ago

Features are independent variables. The labels depend on the Features which makes them the dependent variable..

The independent variables are the features which occur freely.

upvoted 7 times

You have the Predicted vs. True chart shown in the following exhibit.

Which type of model is the chart used to evaluate?

    A. classification

    B. regression

    C. clustering

Suggested Answer: *B*

What is a Predicted vs. True chart?

Predicted vs. True shows the relationship between a predicted value and its correlating true value for a regression problem. This graph can be used to measure performance of a model as the closer to the y=x line the predicted values are, the better the accuracy of a predictive model.

Reference:

https://docs.microsoft.com/en-us/azure/machine-learning/how-to-understand-automated-m

Community vote distribution

B (100%)

🗆 👤 **htolajide** `Highly Voted 👍` 3 years, 6 months ago

Correct answer is provided

  upvoted 16 times

🗆 👤 **zellck** `Highly Voted 👍` 1 year, 2 months ago

`Selected Answer: B`

B is the answer.

https://learn.microsoft.com/en-us/training/modules/create-regression-model-azure-machine-learning-designer/2-regression-scenarios

Regression is a form of machine learning used to understand the relationships between variables to predict a desired outcome. Regression predicts a numeric label or outcome based on variables, or features. For example, an automobile sales company might use the characteristics of a car (such as engine size, number of seats, mileage, and so on) to predict its likely selling price. In this case, the characteristics of the car are the features, and the selling price is the label.

  upvoted 5 times

🗆 👤 **StephonaMendez** `Most Recent ⊘` 6 months, 1 week ago

Regression

  upvoted 2 times

🗆 👤 **Sylph** 1 year, 1 month ago

Correct

https://learn.microsoft.com/en-us/azure/machine-learning/how-to-understand-automated-ml?view=azureml-api-2#predicted-vs-true

upvoted 3 times

lfycutie 1 year, 2 months ago

Selected Answer: **B**

Answer is B

upvoted 1 times

rdemontis 1 year, 3 months ago

Selected Answer: **B**

correct

upvoted 2 times

endeesa 1 year, 5 months ago

Selected Answer: **B**

We are predicting a continuous numerical variable so answer must be Regression

upvoted 3 times

T4321 2 years ago

Selected Answer: **B**

Correct answer - B

upvoted 2 times

EdilmaM 2 years, 1 month ago

B is correct answer. Regression Model

upvoted 1 times

Eltooth 2 years, 2 months ago

Selected Answer: **B**

B is correct answer. Regression

upvoted 2 times

ydu7312 2 years, 4 months ago

B is correct

upvoted 1 times

baciga 2 years, 5 months ago

Selected Answer: **B**

B is correct

upvoted 2 times

Jojo_star 2 years, 5 months ago

Appeared in today exam, 04/13/2022

upvoted 1 times

SiDoCiOuS 2 years, 5 months ago

Selected Answer: **B**

Appeared on exam: 03/31/2022. Answer is correct!

upvoted 2 times

Mxp121 2 years, 6 months ago

Regression - To predict a numeric value, use a regression model. Correlate labelled data into continuous versatile numbers

upvoted 1 times

pmblr2020 2 years, 8 months ago

True values are given means data is supervised. So, the only option is Regression.

upvoted 1 times

nuyyep23 2 years, 10 months ago

The true values are continuous (real number), thus it is regression.

upvoted 1 times

Which type of machine learning should you use to predict the number of gift cards that will be sold next month?

    A. classification

    B. regression

    C. clustering

Suggested Answer: *B*

In the most basic sense, regression refers to prediction of a numeric target.

Linear regression attempts to establish a linear relationship between one or more independent variables and a numeric outcome, or dependent variable.

You use this module to define a linear regression method, and then train a model using a labeled dataset. The trained model can then be used to make predictions.

Reference:

https://docs.microsoft.com/en-us/azure/machine-learning/studio-module-reference/linear-regression

Community vote distribution

B (100%)

👤 **kprasha4** `Highly Voted 👍` 3 years, 11 months ago

Answer should be B.

upvoted 80 times

👤 **bala1** `Highly Voted 👍` 3 years, 11 months ago

Answer is B

upvoted 24 times

👤 **sujitwarrier11** `Most Recent ⊘` 3 months, 3 weeks ago

`Selected Answer: B`

Regression

upvoted 1 times

👤 **StephonaMendez** 6 months, 1 week ago

Numeric Values and Prediction -> Regression :-)

upvoted 1 times

👤 **Stephona** 6 months, 1 week ago

Prediction, numeric = Regression

upvoted 2 times

👤 **Shri0506** 8 months, 3 weeks ago

in exam 29 Dec 2023

upvoted 1 times

👤 **eusebio72** 9 months ago

`Selected Answer: B`

Correct answer is B

upvoted 1 times

👤 **Goranmb910** 10 months, 3 weeks ago

Numeric value as label = Regresion

upvoted 1 times

👤 **zellck** 1 year, 2 months ago

`Selected Answer: B`

B is the answer.

https://learn.microsoft.com/en-us/training/modules/create-regression-model-azure-machine-learning-designer/2-regression-scenarios

Regression is a form of machine learning used to understand the relationships between variables to predict a desired outcome. Regression predicts a numeric label or outcome based on variables, or features. For example, an automobile sales company might use the characteristics of

a car (such as engine size, number of seats, mileage, and so on) to predict its likely selling price. In this case, the characteristics of the car are the features, and the selling price is the label.

upvoted 1 times

⊟ 👤 **Visu111** 1 year, 2 months ago

count(number) = Regression

upvoted 1 times

⊟ 👤 **rdemontis** 1 year, 3 months ago

Selected Answer: B

answer is B in my opinion and the explanation is correct

upvoted 2 times

⊟ 👤 **cgalartxa** 1 year, 5 months ago

Appeared in exam, 04/04/2023

upvoted 4 times

⊟ 👤 **caeehh** 1 year, 8 months ago

Regression = predict

upvoted 2 times

⊟ 👤 **idioteque** 2 years, 1 month ago

For me to remember always xD

Regression = predicts time (hours, days, weeks, months, year)

upvoted 1 times

⊟ 👤 **Eltooth** 2 years, 2 months ago

Selected Answer: B

B is correct answer : regression

upvoted 2 times

⊟ 👤 **ydu7312** 2 years, 4 months ago

B is correct

upvoted 1 times

⊟ 👤 **baciga** 2 years, 5 months ago

Selected Answer: B

B is correct

upvoted 2 times

You have a dataset that contains information about taxi journeys that occurred during a given period.

You need to train a model to predict the fare of a taxi journey.

What should you use as a feature?

    A. the number of taxi journeys in the dataset

    B. the trip distance of individual taxi journeys

    C. the fare of individual taxi journeys

    D. the trip ID of individual taxi journeys

Suggested Answer: *B*

The label is the column you want to predict. The identified Featuresare the inputs you give the model to predict the Label.

Example:

The provided data set contains the following columns:

vendor_id: The ID of the taxi vendor is a feature.

rate_code: The rate type of the taxi trip is a feature.

passenger_count: The number of passengers on the trip is a feature. trip_time_in_secs: The amount of time the trip took. You want to predict the fare of the trip before the trip is completed. At that moment, you don't know how long the trip would take. Thus, the trip time is not a feature and you'll exclude this column from the model. trip_distance: The distance of the trip is a feature. payment_type: The payment method (cash or credit card) is a feature. fare_amount: The total taxi fare paid is the label.

Reference:

https://docs.microsoft.com/en-us/dotnet/machine-learning/tutorials/predict-prices

Community vote distribution

B (100%)

👤 **maddy07** `Highly Voted 👍` 3 years, 9 months ago

C is label and B is the feature.

upvoted 42 times

> 👤 **beep123** 10 months ago
>
> This clarifies a lot.
>
> upvoted 4 times

👤 **Grewal** `Highly Voted 👍` 3 years, 10 months ago

B is correct

upvoted 37 times

👤 **Vikas1307** `Most Recent ⊘` 5 months, 3 weeks ago

`Selected Answer: B`

B is correct

upvoted 1 times

👤 **StephonaMendez** 6 months, 1 week ago

B. the trip distance of individual taxi journeys

upvoted 1 times

👤 **Clouddddd** 8 months, 1 week ago

On exam 08/01/2024

upvoted 2 times

👤 **Shri0506** 8 months, 3 weeks ago

in exam 29 Dec 2023

upvoted 2 times

👤 **zellck** 1 year, 2 months ago

`Selected Answer: B`

B is the answer.

https://learn.microsoft.com/en-us/training/modules/create-regression-model-azure-machine-learning-designer/2-regression-scenarios
Regression is a form of machine learning used to understand the relationships between variables to predict a desired outcome. Regression predicts a numeric label or outcome based on variables, or features. For example, an automobile sales company might use the characteristics of a car (such as engine size, number of seats, mileage, and so on) to predict its likely selling price. In this case, the characteristics of the car are the features, and the selling price is the label.

upvoted 4 times

👤 **rdemontis** 1 year, 3 months ago

Selected Answer: B

correct B is the feature beacause you can use the trip distance to calculate the fare.

upvoted 2 times

👤 **shafi1990** 1 year, 7 months ago

In test on 20/01/2023

upvoted 5 times

👤 **Eltooth** 2 years, 2 months ago

Selected Answer: B

B is correct answer.

upvoted 1 times

👤 **ydu7312** 2 years, 4 months ago

B is correct

upvoted 1 times

👤 **heenak55** 2 years, 5 months ago

In test on 17 April 2022

upvoted 2 times

👤 **baciga** 2 years, 5 months ago

Selected Answer: B

B is correct

upvoted 1 times

👤 **Pravda** 2 years, 6 months ago

On exam 3.3.2022

upvoted 1 times

👤 **jumata32** 2 years, 7 months ago

this came on my exam 1/27/2022 pass with 985/1000, answer is correct

upvoted 4 times

👤 **TJ001** 2 years, 8 months ago

only valid feature which can influence the label ..so correct answer given .. example to use feature selection

upvoted 1 times

👤 **wpa2** 2 years, 9 months ago

Feature is Input

Label is output

upvoted 2 times

You need to predict the sea level in meters for the next 10 years.

Which type of machine learning should you use?

    A. classification

    B. regression

    C. clustering

Suggested Answer: *B*

In the most basic sense, regression refers to prediction of a numeric target.

Linear regression attempts to establish a linear relationship between one or more independent variables and a numeric outcome, or dependent variable.

You use this module to define a linear regression method, and then train a model using a labeled dataset. The trained model can then be used to make predictions.

Reference:

https://docs.microsoft.com/en-us/azure/machine-learning/studio-module-reference/linear-regression

Community vote distribution

B (100%)

Kanjati `Highly Voted 👍` 3 years, 4 months ago

Predicting numerical values without a yes or no is regression

upvoted 20 times

---

gina_the_boss `Most Recent ⊘` 1 month, 3 weeks ago

On exam Jul 26, 2024

upvoted 2 times

    Thomas90sr 1 month, 2 weeks ago

    You deserve to go to heaven.

    upvoted 1 times

---

gina_the_boss 2 months, 2 weeks ago

`Selected Answer: B`

prediction of a numerical value >> regression

upvoted 1 times

StephonaMendez 6 months, 1 week ago

Prediction, Numeric Values -> Regression

upvoted 2 times

Vanessa23 10 months, 1 week ago

regression

upvoted 1 times

---

zellck 1 year, 2 months ago

`Selected Answer: B`

B is the answer.

https://learn.microsoft.com/en-us/training/modules/create-regression-model-azure-machine-learning-designer/2-regression-scenarios

Regression is a form of machine learning used to understand the relationships between variables to predict a desired outcome. Regression predicts a numeric label or outcome based on variables, or features. For example, an automobile sales company might use the characteristics of a car (such as engine size, number of seats, mileage, and so on) to predict its likely selling price. In this case, the characteristics of the car are the features, and the selling price is the label.

upvoted 2 times

---

rdemontis 1 year, 3 months ago

`Selected Answer: B`

correct

upvoted 2 times

☐ 👤 **Jayashree_Shetty** 1 year, 6 months ago

B. Regression

upvoted 3 times

☐ 👤 **Eltooth** 2 years, 2 months ago

Selected Answer: B

B is correct answer : regression.

upvoted 3 times

☐ 👤 **DrChats** 2 years, 3 months ago

on test 14/6/22

upvoted 2 times

☐ 👤 **ydu7312** 2 years, 4 months ago

B is correct

upvoted 1 times

☐ 👤 **PG_0802** 2 years, 4 months ago

Regression

upvoted 1 times

☐ 👤 **baciga** 2 years, 5 months ago

Selected Answer: B

B is correct

upvoted 2 times

☐ 👤 **SiDoCiOuS** 2 years, 5 months ago

Selected Answer: B

Appeared on exam: 03/31/2022. Answer is correct!

upvoted 2 times

☐ 👤 **TJ001** 2 years, 8 months ago

scalar/numeric so regression is correct

upvoted 1 times

☐ 👤 **SmileOS** 3 years ago

Correct!

upvoted 1 times

☐ 👤 **VT100** 3 years, 4 months ago

Answer is regression.

upvoted 3 times

HOTSPOT -

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
Automated machine learning is the process of automating the time-consuming, iterative tasks of machine learning model development.	○	○
Automated machine learning can automatically infer the training data from the use case provided.	○	○
Automated machine learning works by running multiple training iterations that are scored and ranked by the metrics you specify.	○	○
Automated machine learning enables you to specify a dataset and will automatically understand which label to predict.	○	○

Suggested Answer:

Answer Area

Statements	Yes	No
Automated machine learning is the process of automating the time-consuming, iterative tasks of machine learning model development.	●	○
Automated machine learning can automatically infer the training data from the use case provided.	○	●
Automated machine learning works by running multiple training iterations that are scored and ranked by the metrics you specify.	●	○
Automated machine learning enables you to specify a dataset and will automatically understand which label to predict.	○	●

Box 1: Yes -

Automated machine learning, also referred to as automated ML or AutoML, is the process of automating the time consuming, iterative tasks of machine learning model development. It allows data scientists, analysts, and developers to build ML models with high scale, efficiency, and productivity all while sustaining model quality.

Box 2: No -

Box 3: Yes -

During training, Azure Machine Learning creates a number of pipelines in parallel that try different algorithms and parameters for you. The service iterates through

ML algorithms paired with feature selections, where each iteration produces a model with a training score. The higher the score, the better the model is considered to "fit" your data. It will stop once it hits the exit criteria defined in the experiment.

Box 4: No -

Apply automated ML when you want Azure Machine Learning to train and tune a model for you using the target metric you specify.

The label is the column you want to predict.

Reference:

https://azure.microsoft.com/en-us/services/machine-learning/automatedml/#features

---

☐ 👤 **Azurite** `Highly Voted 👍` 3 years, 6 months ago

Came in exam Feb 28 AS-IS

upvoted 16 times

☐ 👤 **ExamTopics007** `Highly Voted 👍` 3 years, 9 months ago

Answer is correct

upvoted 13 times

⊟ 👤 **gina_the_boss** `Most Recent ⊘` 1 month, 3 weeks ago

On exam Jul 26, 2024

upvoted 2 times

⊟ 👤 **StephonaMendez** 6 months, 1 week ago

YES, No, YES, No

upvoted 4 times

⊟ 👤 **bda92b3** 10 months, 4 weeks ago

This was in my exam. YNYN

upvoted 1 times

⊟ 👤 **vini23** 12 months ago

This question appeared in Exam on 9/17/23

upvoted 2 times

⊟ 👤 **rdemontis** 1 year, 3 months ago

answer is correct

upvoted 2 times

⊟ 👤 **endeesa** 1 year, 5 months ago

AutoML is like doing ML with no-code. You still need to define the input data, target label and the type of modelling you want to do. Hence answer is, Yes, No, Yes, No

upvoted 10 times

    ⊟ 👤 **Rockson** 3 months, 2 weeks ago

    helpful insight

    upvoted 1 times

⊟ 👤 **shafi1990** 1 year, 7 months ago

In test on 20/01/2023

upvoted 5 times

⊟ 👤 **BLUE_BUBBLES** 2 years ago

Yes, No, Yes, No - Answer is correct

upvoted 3 times

⊟ 👤 **idioteque** 2 years, 1 month ago

For me to remember hihi xD

Automated Machine Learning = iterative/iterations = Yes

upvoted 8 times

    ⊟ 👤 **c9401f2** 5 months, 4 weeks ago

    Thankyou

    upvoted 1 times

    ⊟ 👤 **AdrienBnhm** 1 year, 5 months ago

    Well not always correct so take care to this reasoning. ML is iterative by essence...

    upvoted 1 times

⊟ 👤 **Gazza1** 2 years, 1 month ago

on exam 27 July

upvoted 1 times

⊟ 👤 **ydu7312** 2 years, 4 months ago

Answer is correct

upvoted 1 times

⊟ 👤 **Jojo_star** 2 years, 5 months ago

Appeared in today exam, 04/13/2022 but only the first three

upvoted 1 times

⊟ 👤 **SiDoCiOuS** 2 years, 5 months ago

Appeared on exam: 03/31/2022. Answers are correct! Yes, No, Yes, No

upvoted 1 times

TJ001 2 years, 8 months ago

correct answer - Automated ML - > still need to supply the data set , label and also the parameter used to guide the ranking of the models(example Accuracy)

upvoted 1 times

narendra399 3 years, 4 months ago

Thanks for answering

upvoted 3 times

HOTSPOT -

To complete the sentence, select the appropriate option in the answer area.

Hot Area:

Answer Area

A banking system that predicts whether a loan will be repaid is an example of
the [　　　　▼　　　　] type of machine learning.

| classification |
| regression |
| clustering |

Suggested Answer:

Answer Area

A banking system that predicts whether a loan will be repaid is an example of
the [　　　　▼　　　　] type of machine learning.

| classification |
| regression |
| clustering |

Two-class classification provides the answer to simple two-choice questions such as Yes/No or True/False.

⊟ 👤 **ashayk** `Highly Voted 👍` 3 years, 11 months ago

this is wrong. the answer should be C- classification as the the prediction whether the loan will be repaid or not -- whether means class - categorical asnwer as yes or no - hence clasification

upvoted 72 times

　⊟ 👤 **andre999** 2 years, 11 months ago

　The answer is now Classification, so correct.

　upvoted 15 times

⊟ 👤 **AliceDarling** `Highly Voted 👍` 3 years, 11 months ago

Correct answer is "A" I am a data Scientist & 100% sure

upvoted 62 times

　⊟ 👤 **PC_ATL** 3 years, 6 months ago

　hahahahaha

　upvoted 9 times

　⊟ 👤 **NeerajGupta** 3 years, 5 months ago

　Dear Data Scientist, Question is asking whether loan will be repaid or not, which signifies classification not regression.

　upvoted 7 times

　　⊟ 👤 **AAwaad** 3 years, 5 months ago

　　AliceDarling did say that "A" - Classification which is right, don't confuse others by repeating his answer different way.

　　upvoted 19 times

　⊟ 👤 **[Removed]** 3 years, 3 months ago

　I really want to know why is it regression, and not classification

　upvoted 3 times

　　⊟ 👤 **vhogstad** 1 year, 6 months ago

　　I also want to know

　　upvoted 1 times

　⊟ 👤 **[Removed]** 3 years, 10 months ago

　You don't need to be a scientist to know that for sure ;-)

　upvoted 19 times

　　⊟ 👤 **Narasingha** 3 years, 9 months ago

but my friend it is Classification. Read and comment

upvoted 4 times

⊟ 👤 **THC1138** `Most Recent ⊘` 2 months, 3 weeks ago

I'm not a doctor, but I play one on TV. And it's classification.

upvoted 1 times

⊟ 👤 **StephonaMendez** 6 months, 1 week ago

Whether -> Classification

upvoted 3 times

⊟ 👤 **sapien45** 1 year, 2 months ago

Correct answer is "C" I am a Banker on Wall Street & 100% sure

upvoted 3 times

⊟ 👤 **zellck** 1 year, 2 months ago

1. classification

https://learn.microsoft.com/en-us/training/modules/create-classification-model-azure-machine-learning-designer/classification-scenarios
Classification is a form of machine learning that is used to predict which category, or class, an item belongs to. This machine learning technique can be applied to binary and multi-class scenarios. For example, a health clinic might use the characteristics of a patient (such as age, weight, blood pressure, and so on) to predict whether the patient is at risk of diabetes. In this case, the characteristics of the patient are the features, and the label is a binary classification of either 0 or 1, representing non-diabetic or diabetic.

upvoted 5 times

⊟ 👤 **rdemontis** 1 year, 3 months ago

The correct answer is Classification and now has been corrected in the Exam Topic's too.

upvoted 2 times

⊟ 👤 **master_yoda** 1 year, 4 months ago

A banking system that predicts whether a loan will be repaid is not an example of the regression type of machine learning. Regression is a technique for predicting continuous outcomes based on the relationship between features and a target variable [4]. In the case of predicting whether a loan will be repaid or not, the outcome is binary (repaid or not repaid) and not continuous. Therefore, classification would be a more appropriate type of machine learning for this task.

Source: Conversation with Bing, 4/24/2023
(1) Machine Learning Regression Explained - Seldon. https://www.seldon.io/machine-learning-regression-explained Accessed 4/24/2023.
(2) . https://bing.com/search?q=regression+machine+learning Accessed 4/24/2023.
(3) Regression in Machine Learning: What It Is & Examples | Built In. https://builtin.com/data-science/regression-machine-learning Accessed 4/24/2023.
(4) Machine Learning: Regression | Coursera. https://www.coursera.org/learn/ml-regression Accessed 4/24/2023.

upvoted 2 times

⊟ 👤 **cgalartxa** 1 year, 5 months ago

Appeared in exam, 04/04/2023

upvoted 3 times

⊟ 👤 **endeesa** 1 year, 5 months ago

We are predicting a discrete/categorical target variable. So answer must be classification

upvoted 2 times

⊟ 👤 **selmutapso** 2 years, 1 month ago

why not regressino, it's a yes or no question?

upvoted 1 times

⊟ 👤 **JKRowlings** 2 years, 2 months ago

Answer is Classification;

upvoted 1 times

⊟ 👤 **Eltooth** 2 years, 2 months ago

Classification is correct answer.

upvoted 1 times

⊟ 👤 **DrChats** 2 years, 3 months ago

on test 14/6/22

upvoted 1 times

☐ 👤 **ydu7312** 2 years, 4 months ago

A is correct

upvoted 1 times

☐ 👤 **Mxp121** 2 years, 6 months ago

Classification uses historical data with features and labels to predict a category or class

upvoted 1 times

☐ 👤 **itelessons** 2 years, 7 months ago

YES/NO -> Classification

upvoted 1 times

HOTSPOT -

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
Labelling is the process of tagging training data with known values.	○	○
You should evaluate a model by using the same data used to train the model.	○	○
Accuracy is always the primary metric used to measure a model's performance.	○	○

Suggested Answer:

Answer Area

Statements	Yes	No
Labelling is the process of tagging training data with known values.	○	○
You should evaluate a model by using the same data used to train the model.	○	○
Accuracy is always the primary metric used to measure a model's performance.	○	○

Box 1: Yes -

In machine learning, if you have labeled data, that means your data is marked up, or annotated, to show the target, which is the answer you want your machine learning model to predict.

In general, data labeling can refer to tasks that include data tagging, annotation, classification, moderation, transcription, or processing.

Box 2: No -

Box 3: No -

Accuracy is simply the proportion of correctly classified instances. It is usually the first metric you look at when evaluating a classifier. However, when the test data is unbalanced (where most of the instances belong to one of the classes), or you are more interested in the performance on either one of the classes, accuracy doesn't really capture the effectiveness of a classifier.

Reference:

https://www.cloudfactory.com/data-labeling-guide

https://docs.microsoft.com/en-us/azure/machine-learning/studio/evaluate-model-performance

---

⊟ 👤 **gargaditya** `Highly Voted 👍` 3 years, 10 months ago

Answer is correct.

Note points:

--'labels' are the outputs(ie we map each set of features to a 'label')

--recall and precision are other imp metrics in a classification problem(other than Accuracy)

upvoted 26 times

⊟ 👤 **ealcober** `Highly Voted 👍` 3 years, 10 months ago

I think the first would be FEATURING (feature is input, label is output)

upvoted 7 times

⊟ 👤 **xiban** 2 years, 10 months ago

i had the same doubt but i found the term "labelling data" and its not the same than label target...

upvoted 3 times

b9b193d `Most Recent ⊘` 6 months ago

data labeling (also known as data annotation or tagging) is indeed the process of adding tags or labels to raw data such as images, videos, text, and audio. These labels provide context and meaning to the data, enabling machine learning algorithms to learn and make predictions based on the annotated information.

upvoted 1 times

zellck 1 year, 2 months ago

YNN is the answer.

https://learn.microsoft.com/en-us/training/modules/create-regression-model-azure-machine-learning-designer/2-regression-scenarios
Regression is a form of machine learning used to understand the relationships between variables to predict a desired outcome. Regression predicts a numeric label or outcome based on variables, or features. For example, an automobile sales company might use the characteristics of a car (such as engine size, number of seats, mileage, and so on) to predict its likely selling price. In this case, the characteristics of the car are the features, and the selling price is the label.

upvoted 2 times

zellck 1 year, 2 months ago

https://learn.microsoft.com/en-us/training/modules/create-regression-model-azure-machine-learning-designer/5-regression-steps
To train a regression model, you need a dataset that includes historical features, characteristics of the entity for which you want to make a prediction, and known label values. The label is the quantity you want to train a model to predict.

It's common practice to train the model using a subset of the data, while holding back some data with which to test the trained model. This enables you to compare the labels that the model predicts with the actual known labels in the original dataset.

upvoted 1 times

rdemontis 1 year, 3 months ago

correct answer. For the third sentence:
Accuracy is a commonly used metric, especially in binary classification problems, where it measures the percentage of correctly classified instances out of the total. However, in many scenarios, accuracy alone may not provide a comprehensive evaluation of the model's performance, particularly when dealing with imbalanced datasets or when different types of errors have varying degrees of importance.

Different evaluation metrics may be more appropriate depending on the problem. For example, in medical diagnostics, sensitivity and specificity (true positive rate and true negative rate) may be more relevant metrics to measure the model's ability to correctly identify positives and negatives. In regression problems, metrics like mean squared error (MSE) or mean absolute error (MAE) are often used.

Other factors, such as precision, recall, F1 score, area under the receiver operating characteristic curve (AUC-ROC), and others, are commonly used metrics depending on the problem and the desired evaluation criteria. (ChatGPT)

upvoted 2 times

master_yoda 1 year, 4 months ago

No, accuracy is not always the primary metric used to measure a model's performance. There are several metrics that can be used to evaluate the quality of a model's predictions, and the choice of metric depends on the specific problem and goals of the model. Some commonly-used metrics for evaluating model performance include loss, accuracy, precision, recall, and area under the ROC curve (AUC) [2]. The appropriate metric to use depends on the specific problem and goals of the model.

Source: Conversation with Bing, 4/24/2023
(1) Evaluate Models Using Metrics | Machine Learning - Google Developers. https://developers.google.com/machine-learning/testing-debugging/metrics/metrics Accessed 4/24/2023.
(2) Performance Metrics in Machine Learning [Complete Guide]. https://neptune.ai/blog/performance-metrics-in-machine-learning-complete-guide Accessed 4/24/2023.

upvoted 3 times

vhogstad 1 year, 6 months ago

Answer is correct.

I will use the following to remember the NO`s in this question:
You should = NO
Is always = NO

upvoted 2 times

ColoradoChick 1 year, 2 months ago

Until MS changes the wording slightly to something that's a true statement. This question is a very very (I'll add another very) basic concept in AI. If you need to remember answers based on the exact wording of a question, what will you do in a tech interview when they see the cert on your resume, but you can't explain the concept at all? ..... I know this guy won't see my response. My comment is food for thought for anyone else with this viewpoint. Yes ... your Mom sent me. :))

upvoted 5 times

Eltooth 2 years, 2 months ago

Yes
No
No

upvoted 3 times

---

ydu7312 2 years, 4 months ago

Answer is correct

upvoted 2 times

---

heenak55 2 years, 5 months ago

In test on 17 April 2022

upvoted 1 times

Pravda 2 years, 6 months ago

On exam 3.3.2022

upvoted 2 times

---

jumata32 2 years, 7 months ago

this came on my exam 1/27/2022 pass with 985/1000, answer is correct, only failed one for NLP

upvoted 1 times

MohammadKhubeb 2 years, 8 months ago

Recall, precision, F-measure/F1-score, sensitivity, specificity, AUC of ROC, etc, are other key parameters to evaluate. Also, when the data is highly imbalance then it gets fail. For more info on class imbalance please refer to my detailed article:

https://link.springer.com/article/10.1007/s12008-020-00715-3

upvoted 1 times

DChilds 2 years, 8 months ago

On question 2, does Microsoft consider the split data (testing and evaluation) from the same dataset, separate data? I assumed that since one dataset can be split for different uses, you are still using the same data?

So my suggestion is Yes, Yes, No. Thoughts anyone?

upvoted 1 times

> **TJ001** 2 years, 8 months ago
>
> not quite-- it is identical schema but values are difference that is whole purpose of splitting it by rows
>
> upvoted 1 times

> **ColoradoChick** 1 year, 2 months ago
>
> I understand DChilds' thought process but for everything I've seen in the MS AI & ML docs:
> dataset/data source - before the Split
> data = after the split: training data or evaluation data
> so "same data" is referring to data after the Split, and not the source file/DB/etc that you start with
>
> upvoted 1 times

Marski 2 years, 9 months ago

Isn't a first metric a primary metric? Hmm..

upvoted 1 times

> **ColoradoChick** 1 year, 2 months ago
>
> There is a subtle difference:
> primary metric = the main metric you used to decide whether or not a model performed well (after looking at & analyzing all the metrics)
> first metric = the 1st metric you looked at (before you looked at any other metrics or did any analysis)
>
> upvoted 1 times

---

abelk 2 years, 9 months ago

I just validated and it is correct

zvasanth2 3 years, 2 months ago

In the income level classification scenario, assume you are testing on some data where 99% of the instances represent people who earn less than or equal to 50K per year. It is possible to achieve a 0.99 accuracy by predicting the class "<=50K" for all instances. The classifier in this case appears to be doing a good job overall, but in reality, it fails to classify any of the high-income individuals (the 1%) correctly.

Which service should you use to extract text, key/value pairs, and table data automatically from scanned documents?

    A. Form Recognizer

    B. Text Analytics

    C. Language Understanding

    D. Custom Vision

Suggested Answer: *A*

Accelerate your business processes by automating information extraction. Form Recognizer applies advanced machine learning to accurately extract text, key/ value pairs, and tables from documents. With just a few samples, Form Recognizer tailors its understanding to your documents, both on-premises and in the cloud. Turn forms into usable data at a fraction of the time and cost, so you can focus more time acting on the information rather than compiling it.

Reference:

https://azure.microsoft.com/en-us/services/cognitive-services/form-recognizer/

Community vote distribution

A (100%)

 Rouix `Highly Voted 👍` 10 months, 1 week ago

Just FYI:

Form Recognizer is now Azure AI Document Intelligence!

upvoted 30 times

 durak `Highly Voted 👍` 2 years, 10 months ago

Table, receipts, invoice - answer is always form recognizer

upvoted 16 times

   [Removed] 2 years, 9 months ago

   This is correct

   upvoted 2 times

 StephonaMendez `Most Recent ⊘` 6 months, 1 week ago

A. Form Recognizer Most Voted

upvoted 1 times

 AzlearnRB 1 year, 1 month ago

on exam july 2023

upvoted 1 times

 rdemontis 1 year, 3 months ago

`Selected Answer: A`

correct

upvoted 2 times

 Bicoo 1 year, 8 months ago

Correct

upvoted 3 times

 Eltooth 2 years, 2 months ago

`Selected Answer: A`

A is correct answer.

upvoted 3 times

 ydu7312 2 years, 4 months ago

A is correct

upvoted 1 times

 heenak55 2 years, 5 months ago

In test on 17 April 2022

⊟ 👤 **baciga** 2 years, 5 months ago

Selected Answer: A

A is correct

⊟ 👤 **Pravda** 2 years, 6 months ago

On exam 3.3.2022

⊟ 👤 **jumata32** 2 years, 7 months ago

this came on my exam 1/27/2022 pass with 985/1000, answer is correct, only failed one for NLP

⊟ 👤 **GopeJi** 2 years, 8 months ago

Important point is "To extract text, key/value pairs, and table data" For which Form Recognizer services is best suited.

⊟ 👤 **Yankam** 2 years, 8 months ago

form recognition is correct

⊟ 👤 **pmp2021** 2 years, 9 months ago

form recognizer is correct

⊟ 👤 **Nandhumappi** 2 years, 11 months ago

Answer is form Recognizer

HOTSPOT -

To complete the sentence, select the appropriate option in the answer area.

Hot Area:

Answer Area

The ability to extract subtotals and totals from a receipt is a capability of the [▼] service.

Custom Vision
Form Recognizer
Ink Recognizer
Text Analytics

Suggested Answer:

Answer Area

The ability to extract subtotals and totals from a receipt is a capability of the [▼] service.

Custom Vision
Form Recognizer
Ink Recognizer
Text Analytics

Accelerate your business processes by automating information extraction. Form Recognizer applies advanced machine learning to accurately extract text, key/ value pairs, and tables from documents. With just a few samples, Form Recognizer tailors its understanding to your documents, both on-premises and in the cloud. Turn forms into usable data at a fraction of the time and cost, so you can focus more time acting on the information rather than compiling it.

Reference:

https://azure.microsoft.com/en-us/services/cognitive-services/form-recognizer/

☐ 👤 **Abdulwasiu** `Highly Voted 👍` 3 years, 5 months ago

answer is correct

upvoted 14 times

☐ 👤 **purretao** `Most Recent ☺` 3 months, 1 week ago

This used to be correct, but now it is called AI Document Intelligence.

upvoted 4 times

☐ 👤 **StephonaMendez** 6 months, 1 week ago

1. Form Recognizer

upvoted 1 times

☐ 👤 **zellck** 1 year, 2 months ago

1. Form Recognizer

https://learn.microsoft.com/en-us/azure/applied-ai-services/form-recognizer/overview?view=form-recog-3.0.0

Azure Form Recognizer is a cloud-based Azure Applied AI Service that enables you to build intelligent document processing solutions. Massive amounts of data, spanning a wide variety of data types, are stored in forms and documents. Form Recognizer enables you to effectively manage the velocity at which data is collected and processed and is key to improved operations, informed data-driven decisions, and enlightened innovation.

upvoted 1 times

☐ 👤 **rdemontis** 1 year, 3 months ago

correct answer

upvoted 2 times

☐ 👤 **Bicoo** 1 year, 8 months ago

Form Recognizer is correct answer

upvoted 4 times

☐ 👤 **Eltooth** 2 years, 2 months ago

Form recogniser is correct answer.

upvoted 3 times

☐ 👤 **ydu7312** 2 years, 4 months ago

Answer is correct

upvoted 1 times

☐ 👤 **[Removed]** 2 years, 8 months ago

Why not Ink Recognizer?

upvoted 2 times

☐ 👤 **abelk** 2 years, 9 months ago

Correct answer

upvoted 1 times

☐ 👤 **SmileOS** 3 years ago

Correct!

upvoted 1 times

☐ 👤 **kashi1983** 3 years, 1 month ago

From Recognizer

upvoted 1 times

☐ 👤 **heyshomy** 3 years, 5 months ago

Correct answer

upvoted 1 times

☐ 👤 **ShefAZ** 3 years, 5 months ago

In exam 27 March

upvoted 3 times

☐ 👤 **Azurite** 3 years, 6 months ago

Came in exam Feb 28

upvoted 4 times

☐ 👤 **ipindado2020** 3 years, 9 months ago

answer is correct

upvoted 3 times

You use Azure Machine Learning designer to publish an inference pipeline.

Which two parameters should you use to access the web service? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

    A. the model name

    B. the training endpoint

    C. the authentication key

    D. the REST endpoint

Suggested Answer: *CD*

You can consume a published pipeline in the Published pipelines page. Select a published pipeline and find the REST endpoint of it.

To consume the pipeline, you need:

☞ The REST endpoint for your service

☞ The Primary Key for your service

Reference:

https://docs.microsoft.com/en-in/learn/modules/create-regression-model-azure-machine-learning-designer/deploy-service

Community vote distribution

CD (100%)

👤 **endeesa** `Highly Voted 👍` 1 year, 5 months ago

`Selected Answer: CD`

Since the service is exposed as a REST API, you need a REST endpoint and an API key to authenticate requests.

upvoted 10 times

👤 **gina_the_boss** `Most Recent ⊘` 2 months, 1 week ago

`Selected Answer: CD`

REST endpoint: When you publish an inference pipeline, it becomes a web service accessible through a REST API. To interact with this service, you need the URL of the endpoint.

Authentication key: To ensure secure access to your service, Azure Machine Learning uses authentication keys. You'll need the primary key associated with your published pipeline for authorization.

upvoted 1 times

👤 **zellck** 1 year, 2 months ago

Same as Question 35.

https://www.examtopics.com/discussions/microsoft/view/33602-exam-ai-900-topic-1-question-35-discussion

upvoted 1 times

👤 **lcssilva** 1 year, 3 months ago

caiu no exame do dia 16/06/2023

upvoted 1 times

👤 **rdemontis** 1 year, 3 months ago

`Selected Answer: CD`

Answewr is correct.

upvoted 2 times

👤 **alonso3** 1 year, 6 months ago

`Selected Answer: CD`

C & D are correct

upvoted 4 times

👤 **MohanPawan** 1 year, 6 months ago

`Selected Answer: CD`

C & D are correct answers

'

'.

upvoted 1 times

☐ 👤 **T4321** 2 years ago

Selected Answer: CD

C & D are correct answers

upvoted 3 times

☐ 👤 **bakhdak** 2 years ago

Correct C & D .

upvoted 2 times

HOTSPOT -

To complete the sentence, select the appropriate option in the answer area.

Hot Area:

Answer Area

From Azure Machine Learning designer, to deploy a real-time inference pipeline as a service for others to consume, you must deploy the model to [_____ ▼]

a local web service.
Azure Container Instances.
Azure Kubernetes Service (AKS).
Azure Machine Learning compute.

Suggested Answer:

Answer Area

From Azure Machine Learning designer, to deploy a real-time inference pipeline as a service for others to consume, you must deploy the model to [_____ ▼]

a local web service.
Azure Container Instances.
Azure Kubernetes Service (AKS).
Azure Machine Learning compute.

To perform real-time inferencing, you must deploy a pipeline as a real-time endpoint.

Real-time endpoints must be deployed to an Azure Kubernetes Service cluster.

Reference:

https://docs.microsoft.com/en-us/azure/machine-learning/concept-designer#deploy

---

👤 **RSSRAO** `Highly Voted 👍` 3 years, 11 months ago

Correct. For Prod - AKS and for Dev/Test - use Azure Container Service

upvoted 45 times

> 👤 **captain_nemo** 3 years, 5 months ago
>
> Where is this given?
>
> the tutorials made us deploy to Azure Container Service
>
> upvoted 8 times
>
> > 👤 **durak** 2 years, 10 months ago
> >
> > They have mentioned in the tutorial that since they are gonna use the model only for testing, so they are using ACS.
> >
> > upvoted 4 times

👤 **nohaph** `Highly Voted 👍` 3 years, 8 months ago

Correct:

To perform real-time inferencing, you must deploy a pipeline as a real-time endpoint. The real-time endpoint creates an interface between an external application and your scoring model. A call to a real-time endpoint returns prediction results to the application in real-time. To make a call to a real-time endpoint, you pass the API key that was created when you deployed the endpoint. The endpoint is based on REST, a popular architecture choice for web programming projects.

Real-time endpoints must be deployed to an Azure Kubernetes Service cluster.

upvoted 16 times

👤 **StephonaMendez** `Most Recent ⊙` 6 months, 1 week ago

AKS is the correct answer

upvoted 1 times

👤 **victorlie** 10 months ago

Is this question outdated? AML docs suggests usage of Managed Online Endpoints over AKS.

https://learn.microsoft.com/en-us/azure/machine-learning/concept-endpoints-online?view=azureml-api-2#why-choose-managed-online-endpoints-over-aci-or-aksv1

upvoted 8 times

👤 **rdemontis** 1 year, 3 months ago

correct

upvoted 2 times

👤 **endeesa** 1 year, 5 months ago

I guess the hint here is 'for others to consume,' which implies production. Hence AKS is correct

upvoted 4 times

👤 **AlbertKwan** 1 year, 10 months ago

You can also deploy to Azure Container Instance (ACI) if you select Azure Container Instance for Compute type in the real-time endpoint setting box. Azure Container Instance is used for testing or development. Use ACI for low-scale CPU-based workloads that require less than 48 GB of RAM.

https://learn.microsoft.com/en-us/azure/machine-learning/tutorial-designer-automobile-price-deploy

upvoted 3 times

👤 **ydu7312** 2 years, 4 months ago

Answer is correct

upvoted 1 times

👤 **kcinofni** 2 years, 9 months ago

AKS - https://docs.microsoft.com/en-us/azure/machine-learning/tutorial-designer-automobile-price-deploy#create-an-inferencing-cluster

upvoted 1 times

👤 **xRiot007** 10 months, 2 weeks ago

This documentation says, at this moment, that you can use an ACI as well to deploy real-time endpoints, so maybe any of the 2 is a correct answer.

upvoted 1 times

👤 **SmileOS** 3 years ago

Correct!

upvoted 3 times

👤 **anony1111** 3 years, 1 month ago

Azure Kuber (AKS)

upvoted 2 times

👤 **Ash111** 3 years, 5 months ago

given ans is correct

upvoted 3 times

HOTSPOT -

To complete the sentence, select the appropriate option in the answer area.

Hot Area:

Answer Area

Predicting how many hours of overtime a delivery person will work based on the number of order received is an example of [▼]

- classification.
- clustering.
- regression.

Suggested Answer:

Answer Area

Predicting how many hours of overtime a delivery person will work based on the number of order received is an example of [▼]

- classification.
- clustering.
- **regression.**

In the most basic sense, regression refers to prediction of a numeric target.

Linear regression attempts to establish a linear relationship between one or more independent variables and a numeric outcome, or dependent variable.

You use this module to define a linear regression method, and then train a model using a labeled dataset. The trained model can then be used to make predictions.

Incorrect Answers:

☞ Classification is a machine learning method that uses data to determine the category, type, or class of an item or row of data.

☞ Clustering, in machine learning, is a method of grouping data points into similar clusters. It is also called segmentation.

Over the years, many clustering algorithms have been developed. Almost all clustering algorithms use the features of individual items to find similar items. For example, you might apply clustering to find similar people by demographics. You might use clustering with text analysis to group sentences with similar topics or sentiment.

Reference:

https://docs.microsoft.com/en-us/azure/machine-learning/algorithm-module-reference/linear-regression https://docs.microsoft.com/en-us/azure/machine-learning/studio-module-reference/machine-learning-initialize-model-clustering

---

🗆 👤 **naimul** `Highly Voted 👍` 3 years, 4 months ago

correct

upvoted 10 times

🗆 👤 **idioteque** `Highly Voted 👍` 2 years, 1 month ago

For me to remember haha xD

Regression = predict time (days, months, year)

upvoted 6 times

🗆 👤 **gina_the_boss** `Most Recent ⊘` 1 month, 3 weeks ago

On exam Jul 26, 2024

upvoted 1 times

🗆 👤 **StephonaMendez** 6 months, 1 week ago

As always, prediction, numeric values - > Regression :-)

upvoted 1 times

🗆 👤 **Stephona** 6 months, 1 week ago

Regression -> Prediction, Numbers :-)

upvoted 1 times

🗆 👤 **rdemontis** 1 year, 3 months ago

correct answer

upvoted 2 times

☐ 👤 **Gazza1** 2 years, 1 month ago

on exam 27 July

upvoted 2 times

☐ 👤 **Eltooth** 2 years, 2 months ago

Regression is correct answer

upvoted 3 times

☐ 👤 **ydu7312** 2 years, 4 months ago

Answer is correct

upvoted 1 times

☐ 👤 **x_nodes** 2 years, 4 months ago

correct!

upvoted 1 times

☐ 👤 **SiDoCiOuS** 2 years, 5 months ago

Appeared on exam: 03/31/2022. Answers are correct!

upvoted 1 times

☐ 👤 **djlorr** 2 years, 7 months ago

correct

upvoted 2 times

☐ 👤 **TJ001** 2 years, 8 months ago

scalar output -> regression

upvoted 1 times

☐ 👤 **nuyyep23** 2 years, 10 months ago

Seems like most of the questions are having Regression as the answer.

upvoted 3 times

☐ 👤 **hkshado** 2 years, 10 months ago

The answer is correct... and I sense humor from this question.

upvoted 2 times

☐ 👤 **SmileOS** 3 years ago

Correct!

upvoted 1 times

☐ 👤 **fit_muscle_boy** 3 years, 4 months ago

Regression is the correct answer

upvoted 3 times

HOTSPOT -

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
Azure Machine Learning designer provides a drag-and-drop visual canvas to build, test, and deploy machine learning models.	○	○
Azure Machine Learning designer enables you to save your progress as a pipeline draft.	○	○
Azure Machine Learning designer enables you to include custom JavaScript functions.	○	○

Suggested Answer:

Answer Area

Statements	Yes	No
Azure Machine Learning designer provides a drag-and-drop visual canvas to build, test, and deploy machine learning models.	○	○
Azure Machine Learning designer enables you to save your progress as a pipeline draft.	○	○
Azure Machine Learning designer enables you to include custom JavaScript functions.	○	○

Box 1: Yes -

Azure Machine Learning designer lets you visually connect datasets and modules on an interactive canvas to create machine learning models.

Box 2: Yes -

With the designer you can connect the modules to create a pipeline draft.

As you edit a pipeline in the designer, your progress is saved as a pipeline draft.

Box 3: No -

Reference:

https://docs.microsoft.com/en-us/azure/machine-learning/concept-designer

---

👤 **Massy** `Highly Voted 👍` 3 years, 6 months ago

It's correct, you can customize but only using Python and R code.

upvoted 38 times

  👤 **TJ001** 2 years, 8 months ago

  Python yes - do you have link for R

  upvoted 2 times

    👤 **arska** 1 year, 11 months ago

    Maybe you will never find this but here: https://azure.microsoft.com/en-us/products/machine-learning/designer/#features

    "Build and train machine learning models with state-of-the art machine learning and deep learning algorithms, including those for computer vision, text analytics, recommendations, and anomaly detection. Drag and drop modules for no-code models or customize using Python and R code."

    upvoted 3 times

  👤 **rdemontis** 1 year, 3 months ago

  agree with you

  upvoted 1 times

Alivina `Highly Voted 👍` 3 years, 5 months ago

A similar question come:

Azure Machine Learning Designer enables you to include custom Python functions. (YES)

upvoted 26 times

> **heyshomy** 3 years, 5 months ago
>
> thanks
>
> upvoted 1 times

StephonaMendez `Most Recent ⊘` 6 months, 1 week ago

Y, Y, N

upvoted 1 times

mmatchev 1 year, 7 months ago

No, the Azure Machine Learning Designer does not enable you to include custom JavaScript functions. The designer primarily uses Python for pre-processing, data transformations, and model training. However, you can use the "Execute Python Script" module to call a JavaScript script by using Python's subprocess library or other libraries that enable you to call JavaScript from Python.

upvoted 1 times

Bicoo 1 year, 8 months ago

Y.

Y.

N.

upvoted 3 times

Eltooth 2 years, 2 months ago

Yes

Yes

No

upvoted 3 times

DrChats 2 years, 3 months ago

on test 14/6/22

upvoted 2 times

ydu7312 2 years, 4 months ago

Answer is correct

upvoted 1 times

Jojo_star 2 years, 5 months ago

Appeared in today exam, 04/13/2022

upvoted 3 times

SmileOS 3 years ago

Correct!

upvoted 1 times

anony1111 3 years, 1 month ago

YES YES NO

upvoted 2 times

Azurite 3 years, 6 months ago

Came in exam Feb 28

upvoted 5 times

ipindado2020 3 years, 9 months ago

answer is correct

upvoted 10 times

HOTSPOT -

You have the following dataset.

Household Income	Postal Code	House Price Category
20,000	55555	Low
23,000	20541	Middle
80,000	87960	High

You plan to use the dataset to train a model that will predict the house price categories of houses.

What are Household Income and House Price Category? To answer, select the appropriate option in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Household Income:
A feature
A label

House Price Category:
A feature
A label

Suggested Answer:

Answer Area

Household Income:
A feature
A label

House Price Category:
A feature
A label

Reference:

https://docs.microsoft.com/en-us/azure/machine-learning/studio/interpret-model-results

---

👤 **Joe75** `Highly Voted 👍` 3 years, 3 months ago

correct. Feature = Input. Label = Output.

upvoted 35 times

  👤 **PXAbstraction** 2 months, 3 weeks ago

This is such a simple trick to remembering this and it was never once mentioned in the course I took to prepare for this. Thank you!

upvoted 1 times

👤 **ipindado2020** `Highly Voted 👍` 3 years, 9 months ago

answer is correct

upvoted 13 times

👤 **gina_the_boss** `Most Recent ⊘` 1 month, 3 weeks ago

On exam Jul 26, 2024

upvoted 1 times

  👤 **Thomas90sr** 1 month, 2 weeks ago

I love you

upvoted 1 times

👤 **Clouddddd** 8 months, 1 week ago

On exam 08/01/2024

upvoted 1 times

👤 **Shri0506** 8 months, 3 weeks ago

in exam 29 Dec 2023

upvoted 1 times

👤 **Vanessa23** 10 months, 1 week ago

Feature / Label

upvoted 1 times

👤 **vini23** 12 months ago

This question appeared in Exam on 9/17/23

upvoted 1 times

👤 **AzlearnRB** 1 year, 1 month ago

on exam july 2023

upvoted 2 times

👤 **zellck** 1 year, 2 months ago

1. feature
2. label

https://learn.microsoft.com/en-us/training/modules/create-regression-model-azure-machine-learning-designer/2-regression-scenarios

Regression is a form of machine learning used to understand the relationships between variables to predict a desired outcome. Regression predicts a numeric label or outcome based on variables, or features. For example, an automobile sales company might use the characteristics of a car (such as engine size, number of seats, mileage, and so on) to predict its likely selling price. In this case, the characteristics of the car are the features, and the selling price is the label.

upvoted 1 times

> 👤 **zellck** 1 year, 2 months ago
>
> Got this in Jun 2023 exam.
>
> upvoted 2 times

👤 **lcssilva** 1 year, 3 months ago

caiu algo parecido(com outro tema, mas a mesma ideia) no exame do dia 16/06/2023

upvoted 2 times

👤 **rdemontis** 1 year, 3 months ago

correct

upvoted 2 times

👤 **banglori** 1 year, 6 months ago

Feature is Input. Label is Output.

upvoted 4 times

👤 **Lazynuts** 1 year, 6 months ago

Correct. On my exam 24.02.2023.

upvoted 3 times

👤 **pcm** 1 year, 7 months ago

Question was on my exam Feb 1, 2023

upvoted 4 times

👤 **shafi1990** 1 year, 7 months ago

In test on 20/01/2023

upvoted 3 times

👤 **Gazza1** 2 years, 1 month ago

on exam 27 July

upvoted 1 times

👤 **Eltooth** 2 years, 2 months ago

Feature
Label

upvoted 2 times

HOTSPOT -

To complete the sentence, select the appropriate option in the answer area.

Hot Area:

Answer Area

Azure Machine Learning designer lets you create machine learning models by

| ▼ |

adding and connecting modules on a visual canvas.
automatically performing common data preparation tasks.
automatically selecting an algorithm to build the most accurate model.
using a code-first notebook experience.

Suggested Answer:

Answer Area

Azure Machine Learning designer lets you create machine learning models by

| ▼ |

adding and connecting modules on a visual canvas.
automatically performing common data preparation tasks.
automatically selecting an algorithm to build the most accurate model.
using a code-first notebook experience.

Reference:

https://docs.microsoft.com/en-us/azure/machine-learning/concept-designer

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👤 **Eltooth** `Highly Voted 👍` 2 years, 2 months ago

Adding and connecting modules on visual canvas is correct answer.

upvoted 5 times

👤 **endeesa** `Highly Voted 👍` 1 year, 5 months ago

Although the service is called 'Auto' ML, it is still up to the user to pick the tasks to be automated. Hence, "Adding and connecting modules on visual canvas" is correct

upvoted 5 times

👤 **gina_the_boss** `Most Recent ⊙` 2 months, 1 week ago

the answer seems correct to me

upvoted 1 times

👤 **Asaini125** 7 months, 2 weeks ago

This is correct answer

upvoted 2 times

👤 **Clouddddd** 8 months, 1 week ago

On exam 08/01/2024

upvoted 4 times

👤 **Vanessa23** 10 months, 1 week ago

This is Designer

upvoted 3 times

👤 **rdemontis** 1 year, 3 months ago

correct answer

upvoted 4 times

👤 **ydu7312** 2 years, 4 months ago

Answer is correct

upvoted 2 times

👤 **Theresa_droid** 2 years, 9 months ago

given answer is correct

upvoted 1 times

☐ 👤 **Amstel** 3 years ago

Given Answer is correct

upvoted 1 times

☐ 👤 **Deevine78** 3 years ago

"A" is the correct answer

upvoted 1 times

☐ 👤 **KUM_WENG** 3 years, 1 month ago

correct answer

upvoted 1 times

☐ 👤 **anony1111** 3 years, 1 month ago

Right Ans

upvoted 1 times

☐ 👤 **Swathigaddemane** 3 years, 2 months ago

Correct

upvoted 3 times

☐ 👤 **Test1992** 3 years, 3 months ago

Correct

upvoted 1 times

HOTSPOT -

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
Automated machine learning provides you with the ability to include custom Python scripts in a training pipeline.	○	○
Automated machine learning implements machine learning solutions without the need for programming experience.	○	○
Automated machine learning provides you with the ability to visually connect datasets and modules on an interactive canvas.	○	○

Suggested Answer:

Answer Area

Statements	Yes	No
Automated machine learning provides you with the ability to include custom Python scripts in a training pipeline.	○	○
Automated machine learning implements machine learning solutions without the need for programming experience.	○	○
Automated machine learning provides you with the ability to visually connect datasets and modules on an interactive canvas.	○	○

Reference:

https://docs.microsoft.com/en-us/azure/machine-learning/how-to-designer-python https://docs.microsoft.com/en-us/azure/machine-learning/concept-automated-ml

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⊟ 👤 **shuw** `Highly Voted 👍` 3 years, 1 month ago

Answer is No/Yes/No.

Came out in my exam on 20-July-2021. Scored 1000/1000. Hope this helps

upvoted 148 times

⊟ 👤 **sapien45** 1 year, 2 months ago

It does not. Explaining and illustrating your responses with links, would have been helpful

upvoted 12 times

⊟ 👤 **Gaurav_Verma81** `Highly Voted 👍` 3 years, 1 month ago

The Answer should be No/Yes/No.

A) In Automated ML , you cannot insert Python code.

C) in Automated ML, though you can select Data but not modules... No Canvas is used in Auto ML.

upvoted 50 times

⊟ 👤 **rdemontis** 1 year, 3 months ago

thanks for explanation

upvoted 2 times

⊟ 👤 **dyna_26022024** `Most Recent ⊘` 3 months, 3 weeks ago

No

Yes

No

upvoted 2 times

⊟ 👤 **ppanjiar** 8 months, 1 week ago

Answer should be No/Yes/No

upvoted 2 times

👤 **zellck** 1 year, 2 months ago

Gotten this in Jun 2023 exam.

upvoted 2 times

👤 **lcssilva** 1 year, 3 months ago

caiu no exame do dia 16/06/2023

upvoted 2 times

👤 **eternaleclipse** 1 year, 3 months ago

Incorrect. The answers are No/Yes/No because there is a DISTINCT difference between Azure Automated Machine Learning that the Machine Learning Designer.

upvoted 5 times

👤 **endeesa** 1 year, 5 months ago

You can use Python, but using custom components defined using Python. The last one is likely No because the question does not explicitly mention the Designer. So No, Yes, No makes sense

upvoted 1 times

👤 **sisiDev** 1 year, 6 months ago

NAO /SIM / NAO

upvoted 1 times

👤 **vhogstad** 1 year, 6 months ago

Can we summerise this. What is the correct answers her?

upvoted 1 times

👤 **Bicoo** 1 year, 8 months ago

NO/YES/NO is the correct answer

upvoted 1 times

👤 **Makei** 2 years, 3 months ago

Correct answer is N/Y/N.

upvoted 2 times

👤 **ydu7312** 2 years, 4 months ago

Answer is N/Y/N

upvoted 3 times

👤 **JIT96** 2 years, 5 months ago

I can't see how A is false. It appears to be true for quite a while now. YYN - https://docs.microsoft.com/en-us/azure/machine-learning/how-to-configure-auto-train

upvoted 3 times

👤 **Gmtt879** 2 years, 2 months ago

You can pick python as your environment but cannot include custom python code

upvoted 2 times

👤 **ebra** 2 years, 6 months ago

On exam 3/16/2022

upvoted 1 times

👤 **Pravda** 2 years, 6 months ago

On exam 3.3.2022

upvoted 3 times

👤 **Rohitpatil1131996** 2 years, 6 months ago

The Answer should be No/Yes/No.

A) In Automated ML , you cannot insert Python code.

C) in Automated ML, though you can select Data but not modules... No Canvas is used in Auto ML.

upvoted 4 times

A medical research project uses a large anonymized dataset of brain scan images that are categorized into predefined brain haemorrhage types.

You need to use machine learning to support early detection of the different brain haemorrhage types in the images before the images are reviewed by a person.

This is an example of which type of machine learning?

A. clustering

B. regression

C. classification

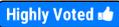**Suggested Answer:** *C*

Reference:

https://docs.microsoft.com/en-us/learn/modules/create-classification-model-azure-machine-learning-designer/introduction

Community vote distribution

C (100%)

[Removed] `Highly Voted 👍` 3 years, 9 months ago

the brain haemorrhage types are predefined (labeled), so it's classification

upvoted 53 times

10minexamtopic `Highly Voted 👍` 3 years ago

This is classification. There are multiple reasons it's classification

- The training data is already tagged as with the correct type of hemorrhage

- Classification can be done for more than two classes (which people seem to not realize based on the comments)

- You do clustering on a group of inputs. For example, the scans of 10 people. You can't cluster a single input. Clearly you get a new scan of a new patient and you want to know what that scan shows, you don't have a group of scans to cluster.

- Clustering gives NO labels. You just get groups and don't know what the label is, but in this question it's very clear they want to know the label that belongs to the new scan -> classification

upvoted 38 times

wpa2 2 years, 9 months ago

I agree with this, as classification is supervised learning and clustering is unsupervised.

In this case we already know the labels so C should be correct

upvoted 7 times

rdemontis 1 year, 3 months ago

exactly

upvoted 1 times

rdemontis 1 year, 3 months ago

correct, thanks for explkation

upvoted 1 times

gina_the_boss `Most Recent ⊘` 1 month, 3 weeks ago

On exam Jul 26, 2024

upvoted 1 times

sagar_bijalwan 2 months, 3 weeks ago

`Selected Answer: C`

C. Classification -correct answer

upvoted 1 times

Vanessa23 10 months, 1 week ago

Classification first

upvoted 1 times

SM315 11 months, 3 weeks ago

The word "Predefined" should be your cue to mark it as Classification

upvoted 1 times

  rdemontis 1 year, 3 months ago

Selected Answer: C

correct classification

upvoted 1 times

  odiez3 1 year, 6 months ago

When use images is clusterin

upvoted 1 times

  JKRowlings 2 years, 2 months ago

Correct answer is Classification.

upvoted 2 times

  ydu7312 2 years, 4 months ago

C is correct

upvoted 1 times

  Mizaan 2 years, 5 months ago

Selected Answer: C

Although both techniques have certain similarities, the difference lies in the fact that classification uses predefined classes in which objects are assigned, while clustering identifies similarities between objects, which it groups according to those characteristics in common and which differentiate them from other

upvoted 6 times

  heenak55 2 years, 5 months ago

In test on 17 April 2022

upvoted 3 times

  Jojo_star 2 years, 5 months ago

this question appear in Microsoft course sample question in Coursera, while I am sure the answer is classification, but the correct one is clustering

upvoted 1 times

  Pravda 2 years, 6 months ago

On exam 3.3.2022

upvoted 2 times

  Yankam 2 years, 8 months ago

classification is the correct solution

upvoted 1 times

  Marski 2 years, 9 months ago

clustering like K-means produces groups when you dont have predefined groups. It divides into different clusters like the name says. Like consumer types A,B,C of smoothies that you discover by computation by K-means criteria based on features. You did not know A,B,C beforehand usually (and and the number of clusters may vary (D,E too) - depends on your choice, criteria like eigenvalue >1 or over 70 percent of variance covered).

upvoted 2 times

  xiban 2 years, 10 months ago

The answer is A.) Clustering

Reasons:

-key word is SUPPORT, we are going to verify the types already classified PREVIOUSLY, how? clustering the anonymous data.

-Why classify something that is already classified? that does not solve the problem. What solves the problem is to cluster and corroborate the types already classified PREVIOUSLY.

upvoted 1 times

When training a model, why should you randomly split the rows into separate subsets?

A. to train the model twice to attain better accuracy

B. to train multiple models simultaneously to attain better performance

C. to test the model by using data that was not used to train the model

Suggested Answer: *C*

Community vote distribution

C (100%)

⊟ 👤 **jurimec** `Highly Voted 👍` 3 years, 6 months ago

this is the famous 70% & 30%?

upvoted 23 times

⊟ 👤 **Massy** 3 years, 6 months ago

yes it is

upvoted 4 times

⊟ 👤 **Nikhil007** 3 years, 1 month ago

can you explain this a bit more?

upvoted 2 times

⊟ 👤 **brollyy** 2 years, 10 months ago

He is referring to the famous train_test_split that everyone uses to split the dataset into train and test sets.

upvoted 8 times

⊟ 👤 **ipindado2020** `Highly Voted 👍` 3 years, 9 months ago

answer is correct

upvoted 8 times

⊟ 👤 **Asaini125** `Most Recent ⊙` 7 months, 2 weeks ago

`Selected Answer: C`

Yes, C is correct

upvoted 1 times

⊟ 👤 **Vanessa23** 10 months, 1 week ago

Training and validation datasets

upvoted 1 times

⊟ 👤 **zellck** 1 year, 2 months ago

`Selected Answer: C`

C is the answer.

https://learn.microsoft.com/en-us/azure/machine-learning/component-reference/split-data?view=azureml-api-2

upvoted 1 times

⊟ 👤 **lcssilva** 1 year, 3 months ago

caiu no exame do dia 16/06/2023

upvoted 2 times

⊟ 👤 **rdemontis** 1 year, 3 months ago

`Selected Answer: C`

correct answer, in order to have a reliable test you need to use a different set of data

upvoted 2 times

⊟ 👤 **ydu7312** 2 years, 4 months ago

C is correct

upvoted 3 times

⊟ 👤 **x_nodes** 2 years, 4 months ago

Splitting the data for 1. Training the model. 2. Evaluating the model.

upvoted 2 times

☐ 👤 **baciga** 2 years, 5 months ago

C is correct

upvoted 1 times

☐ 👤 **eham757** 2 years, 7 months ago

C is correct

upvoted 2 times

☐ 👤 **Lenore** 2 years, 8 months ago

C. to test the model by using data that was not used to train the model

upvoted 1 times

☐ 👤 **Marski** 2 years, 9 months ago

You lose statistical power by estimating on a subset n like 50 percent of original N. Thats the price you pay for splitting data. For example a normally independently distributed (n.i.d) x has an estimator of arithmetic mean X whose variance inversely related to N. Bigger sample is better for accuracy of a simple arithmetic mean.

upvoted 1 times

☐ 👤 **IrinaWeiss** 3 years, 1 month ago

Was on exam 30.07.21

upvoted 1 times

☐ 👤 **Chaz79** 3 years, 2 months ago

C. to test the model by using data that was not used to train the model
is correct

upvoted 3 times

☐ 👤 **TariqNawaz** 3 years, 3 months ago

Answer is correct

upvoted 1 times

☐ 👤 **Denbulz** 3 years, 3 months ago

Answer is correct so the data used in training a model is not static or needed to be set manually.

upvoted 1 times

You are evaluating whether to use a basic workspace or an enterprise workspace in Azure Machine Learning.

What are two tasks that require an enterprise workspace? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

    A. Use a graphical user interface (GUI) to run automated machine learning experiments.

    B. Create a compute instance to use as a workstation.

    C. Use a graphical user interface (GUI) to define and run machine learning experiments from Azure Machine Learning designer.

    D. Create a dataset from a comma-separated value (CSV) file.

Suggested Answer: *AC*

Note: Enterprise workspaces are no longer available as of September 2020. The basic workspace now has all the functionality of the enterprise workspace.

Reference:

https://www.azure.cn/en-us/pricing/details/machine-learning/

https://docs.microsoft.com/en-us/azure/machine-learning/concept-workspace

Community vote distribution

AC (56%)	AB (44%)

👤 **Nilzuka** `Highly Voted 👍` 3 years, 9 months ago

This question should not be present in future exams as Enterprise workspace is now fused with Basic. Someone please follow up on this.

upvoted 79 times

  👤 **DarioReymago** 3 years, 9 months ago

  thats true

  upvoted 3 times

👤 **DarioReymago** `Highly Voted 👍` 3 years, 9 months ago

I passed the exam yesterday, I found this question

upvoted 13 times

  👤 **BethelGold** 3 years, 3 months ago

  is the answer correct?

  upvoted 5 times

👤 **pal40sg** `Most Recent ⊙` 4 months, 4 weeks ago

`Selected Answer: AC`

Copilot

Based on the information from Microsoft Learn, the tasks that require an enterprise workspace in Azure Machine Learning are:

A. Use a graphical user interface (GUI) to run automated machine learning experiments.

C. Use a graphical user interface (GUI) to define and run machine learning experiments from Azure Machine Learning designer.

The Enterprise edition of Azure Machine Learning boosts productivity with no-code machine learning tools for all ML skill levels. This includes using a GUI to run automated machine learning experiments and defining and running machine learning experiments from Azure Machine Learning designer. The Basic edition is more suited for open source developers and data scientists who are comfortable with a code-first experience.

upvoted 5 times

👤 **rdemontis** 1 year, 3 months ago

`Selected Answer: AB`

Here is the Chat GPT Answer but I don't know if it is correct. Anyway if it is obsolete i think it's not a valid question anymore.

Two tasks that require an enterprise workspace in Azure Machine Learning are:

A. Use a graphical user interface (GUI) to define and run machine learning experiments from Azure Machine Learning designer. An enterprise workspace provides more advanced features and capabilities, including the ability to use a GUI interface like Azure Machine Learning designer to

visually design and execute machine learning experiments.

B. Create a compute instance to use as a workstation. An enterprise workspace offers more advanced management and control features, including the ability to create and manage compute instances that can be used as workstations for data exploration, model development, and experimentation.(chatGPT)
upvoted 4 times

  ⊟ 👤 **emiliocb4** 7 months, 3 weeks ago
    i agree with this, but the answers are B and C according also to what you wrote
    upvoted 1 times

⊟ 👤 **WenaHari** 1 year, 3 months ago
Is this updated?
upvoted 1 times

⊟ 👤 **WigglyPork** 2 years, 6 months ago
I think this is a deprecated question.
upvoted 4 times

⊟ 👤 **Yaizapez** 3 years, 1 month ago
Shouldn't this question be removed from the list?
upvoted 6 times

  ⊟ 👤 **xiban** 2 years, 10 months ago
    jajajajaja
    upvoted 4 times

⊟ 👤 **nohaph** 3 years, 8 months ago
They can ask about it until the end of 2020:
Beginning December 21st, all Enterprise Edition workspaces will be automatically set to Basic Edition, which has the same capabilities. No downtime will occur during this process. On January 1, 2021, Enterprise Edition will be formally retired.

In either editions, customers are responsible for the costs of Azure resources consumed and will not need to pay any additional charges for Azure Machine Learning.
upvoted 10 times

You need to predict the income range of a given customer by using the following dataset.

First Name	Last Name	Age	Education Level	Income Range
Orlando	Gee	45	University	25,000-50,000
Keith	Harris	36	High school	25,000-50,000
Donna	Carreras	52	University	50,000-75,000
Janet	Gates	21	University	75,000-100,000
Lucy	Harrington	68	High school	50,000-75,000

Which two fields should you use as features? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

    A. Education Level

    B. Last Name

    C. Age

    D. Income Range

    E. First Name

Suggested Answer: *AC*

First Name, Last Name, Age and Education Level are features. Income range is a label (what you want to predict). First Name and Last Name are irrelevant in that they have no bearing on income. Age and Education level are the features you should use.

Community vote distribution

AC (100%)

☐ 👤 **itelessons** `Highly Voted 👍` 2 years, 7 months ago

If you miss this question, you'd better postpone your exam

upvoted 32 times

   ☐ 👤 **Jeppp** 6 months ago

If you miss this question, just think that you donated your exam fee for charity. That won't hurt a lot.

upvoted 2 times

      ☐ 👤 **Test_1132** 4 weeks, 1 day ago

Done! Thank you!

upvoted 1 times

   ☐ 👤 **pattaprince** 2 years, 4 months ago

Brilliant :D

upvoted 2 times

☐ 👤 **Jay23AmMonsIV** `Most Recent ⊘` 3 months, 3 weeks ago

Think of Features as the Clues to the mystery and the Label as the Solution to that mystery. First and Last Name won't tell you anything when it comes to predicting the income. You already know what the label is because it is what your trying to solve for. The clues (Features) to the mystery is Age + Education Level = Income Range Solution to the Mystery (Label).

upvoted 2 times

☐ 👤 **Vanessa23** 10 months, 1 week ago

Age and education level are the features

upvoted 2 times

☐ 👤 **King_Lam** 12 months ago

This question has appeared in Exam 20/9/23

upvoted 1 times

☐ 👤 **vini23** 12 months ago

This question appeared in Exam on 9/17/23

upvoted 3 times

☐ 👤 **zellck** 1 year, 2 months ago

`Selected Answer: AC`

AC is the answer.

https://learn.microsoft.com/en-us/training/modules/create-regression-model-azure-machine-learning-designer/2-regression-scenarios
Regression is a form of machine learning used to understand the relationships between variables to predict a desired outcome. Regression predicts a numeric label or outcome based on variables, or features. For example, an automobile sales company might use the characteristics of a car (such as engine size, number of seats, mileage, and so on) to predict its likely selling price. In this case, the characteristics of the car are the features, and the selling price is the label.

upvoted 2 times

   ☐ 👤 **zellck** 1 year, 2 months ago
    Gotten this in Jun 2023 exam.
    upvoted 1 times

☐ 👤 **rdemontis** 1 year, 3 months ago

Selected Answer: AC

correct
upvoted 2 times

☐ 👤 **sbs_2010** 1 year, 4 months ago
It was there in todays exam
upvoted 4 times

☐ 👤 **Lazynuts** 1 year, 6 months ago
On exam 24.02.2023.
upvoted 3 times

☐ 👤 **pcm** 1 year, 7 months ago
Question was on my exam Feb 1, 2023
upvoted 4 times

☐ 👤 **shafi1990** 1 year, 7 months ago
In test on 20/01/2023
upvoted 2 times

☐ 👤 **SumanthB** 1 year, 10 months ago
In a world where employees with caucasian sounding names more so like John, David (male and white), etc occupy a lot of executive level positions, I am a little curious to know if first names do play a part in predicting incomes :)
upvoted 4 times

☐ 👤 **sahibsadman** 2 years, 1 month ago
Age &Educational Level->Feature
Income->Lable
upvoted 2 times

☐ 👤 **idioteque** 2 years, 1 month ago
In practical life the more you age, the more experience that you'll get and more income vs. a young age (newly graduates) with no experience and should be low income? :)

kidding aside. This is just a comment to the table example. xD
upvoted 1 times

☐ 👤 **JKRowlings** 2 years, 2 months ago
Age and Education level (Features)
Income Range (Label)
upvoted 2 times

☐ 👤 **PDR** 2 years, 2 months ago
answer is correct given the choices although the real answer is F - Get a new dataset because you are not going to do well with that one!
upvoted 1 times

☐ 👤 **ydu7312** 2 years, 4 months ago
Answer is correct
upvoted 2 times

You are building a tool that will process images from retail stores and identify the products of competitors.

The solution will use a custom model.

Which Azure Cognitive Services service should you use?

A. Custom Vision

B. Form Recognizer

C. Face

D. Computer Vision

Suggested Answer: *A*

Reference:

https://docs.microsoft.com/en-us/azure/cognitive-services/custom-vision-service/overview

Community vote distribution

A (100%)

👤 **edengoforit** `Highly Voted 👍` 2 years, 10 months ago

Azure Custom Vision is an image recognition service that lets you build, deploy, and improve your own image identifier models. An image identifier applies labels (which represent classifications or objects) to images, according to their detected visual characteristics. Unlike the Computer Vision service, Custom Vision allows you to specify your own labels and train custom models to detect them.

upvoted 35 times

👤 **Raja8080** `Highly Voted 👍` 1 year, 10 months ago

Custom Model = Custom Vision ;)

upvoted 12 times

👤 **StephonaMendez** `Most Recent ⊙` 6 months, 1 week ago

Custom Vision

upvoted 1 times

👤 **vini23** 12 months ago

This question appeared in Exam on 9/17/23

upvoted 3 times

👤 **rdemontis** 1 year, 3 months ago

`Selected Answer: A`

custom vision for a custom model.

upvoted 2 times

👤 **T4321** 2 years ago

`Selected Answer: A`

custom vision

upvoted 3 times

👤 **JKRowlings** 2 years, 2 months ago

By default, the answer is Azure Custom Vision.

upvoted 1 times

👤 **TJ001** 2 years, 8 months ago

since it is custom model - we have to pick custom vision . If it was not there then we could choose computer vision (it can identify brand logos for eg to identify a competition)

upvoted 6 times

HOTSPOT -

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
Organizing documents into groups based on similarities of the text contained in the documents is an example of clustering.	○	○
Grouping similar patients based on symptoms and diagnostic test results is an example of clustering.	○	○
Predicting whether a person will develop mild, moderate, or severe allergy symptoms based on pollen count is an example of clustering.	○	○

Suggested Answer:

Answer Area

Statements	Yes	No
Organizing documents into groups based on similarities of the text contained in the documents is an example of clustering.	●	○
Grouping similar patients based on symptoms and diagnostic test results is an example of clustering.	●	○
Predicting whether a person will develop mild, moderate, or severe allergy symptoms based on pollen count is an example of clustering.	○	●

Clustering is a machine learning task that is used to group instances of data into clusters that contain similar characteristics. Clustering can also be used to identify relationships in a dataset

Regression is a machine learning task that is used to predict the value of the label from a set of related features.

Reference:

https://docs.microsoft.com/en-us/dotnet/machine-learning/resources/tasks

---

⊟ 👤 **idioteque** `Highly Voted 👍` 2 years, 1 month ago

For me to remember again haha xD

Clustering = similar/similarities = Yes

upvoted 16 times

⊟ 👤 **sapien45** 1 year, 2 months ago

You deserve your name

upvoted 10 times

⊟ 👤 **ColoradoChick** 1 year, 2 months ago

ROTFLMAO! I needed that!

upvoted 3 times

⊟ 👤 **gs23mi** `Highly Voted 👍` 2 years, 11 months ago

3 : No - Classification : it has predefined labels (mild. moderate, sever) and it is supervised

see e.g. https://www.geeksforgeeks.org/ml-classification-vs-clustering/

upvoted 14 times

    ⊟   **vchirag** 3 months, 3 weeks ago

    Helpful

    upvoted 1 times

⊟   **Jay23AmMonsIV** `Most Recent ⊘` 3 months, 3 weeks ago

Cluster= Grouping or Group

Classification = Identifying or Selection

Regression = Predicting

upvoted 5 times

⊟   **Shri0506** 8 months, 3 weeks ago

in exam 29 Dec 2023

upvoted 3 times

⊟   **King_Lam** 12 months ago

This question has appeared in Exam 20/9/23. The answer is correct.

upvoted 5 times

⊟   **vini23** 12 months ago

This question appeared in Exam on 9/17/23

upvoted 2 times

⊟   **rdemontis** 1 year, 3 months ago

correct answer.

Clustering is a data mining technique for grouping unlabeled data based on their similarities or differences. For example, K-means clustering algorithms assign similar data points into groups, where the K value represents the size of the grouping and granularity. This technique is helpful for market segmentation, image compression, etc.

https://www.ibm.com/cloud/blog/supervised-vs-unsupervised-learning

upvoted 5 times

⊟   **ydu7312** 2 years, 4 months ago

Answer is correct

upvoted 5 times

⊟   **heenak55** 2 years, 5 months ago

In test on 17 April 2022

upvoted 2 times

⊟   **Pravda** 2 years, 6 months ago

On exam 3.3.2022

upvoted 2 times

⊟   **Rohitpatil1131996** 2 years, 6 months ago

ans is correct

upvoted 1 times

⊟   **jumata32** 2 years, 7 months ago

this came on my exam 1/27/2022 pass with 985/1000, answer is correct, only failed one for NLP

upvoted 2 times

⊟   **TJ001** 2 years, 8 months ago

3 - Multi class classification

upvoted 2 times

⊟   **SLTY** 2 years, 10 months ago

IN general, the word "group" is likely to indicate clustering

upvoted 5 times

⊟   **anonlovesmamo** 2 years, 10 months ago

Shouldn't the last answer be classification. Regression is only for numeric labels.

upvoted 6 times

⊟   **Opethaiwoh** 2 years, 11 months ago

is clustering used in text analysis?

12oct 2 years, 11 months ago

K-means can be used for a variety of machine learning tasks, such as detecting abnormal data, clustering of text documents, and analysis of a dataset prior to using other classification or regression methods.

Ref: https://docs.microsoft.com/en-us/azure/machine-learning/studio-module-reference/k-means-clustering

HOTSPOT -

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
A validation set includes the set of input examples that will be used to train a mode.	○	○
A validation set can be used to determine how well a model predicts labels.	○	○
A validation set can be used to verify that all the training data was used to train the model.	○	○

Suggested Answer:

Answer Area

Statements	Yes	No
A validation set includes the set of input examples that will be used to train a mode.	○	○
A validation set can be used to determine how well a model predicts labels.	○	○
A validation set can be used to verify that all the training data was used to train the model.	○	○

Box 1: No -

The validation dataset is different from the test dataset that is held back from the training of the model.

Box 2: Yes -

A validation dataset is a sample of data that is used to give an estimate of model skill while tuning model's hyperparameters.

Box 3: No -

The Test Dataset, not the validation set, used for this. The Test Dataset is a sample of data used to provide an unbiased evaluation of a final model fit on the training dataset.

Reference:

https://machinelearningmastery.com/difference-test-validation-datasets/

👤 **AdrienBnhm** `Highly Voted 👍` 1 year, 5 months ago

Answers are :

1 = N (By essence validation set is different from test set. Not difficult : the answer is No).

2 = Y (This is the purpose of validation set : to validate (or not) the model).

3 = N (validation test doesn't test if all the train split of dataset has been used to train the model. That's out of the scope).

upvoted 16 times

👤 **rdemontis** 1 year, 3 months ago

agree with you

upvoted 2 times

Panda_man 8 months, 3 weeks ago

I agree to this

upvoted 1 times

TJ001 `Highly Voted 👍` 2 years, 8 months ago

Answers looks correct If we assume validation set - means test data set

upvoted 10 times

mmatchev `Most Recent ⊘` 1 year, 7 months ago

It's worth noting that the validation set should be different from the training set, so that the model doesn't memorize the validation set. Also, it's recommended to have the same distribution of the data in the validation set as in the test set.

upvoted 2 times

dim97 2 years ago

I guess it is NNY.

https://docs.microsoft.com/en-us/azure/machine-learning/concept-automated-ml#training-validation-and-test-data mentioned:

With automated ML you provide the training data to train ML models, and you can specify what type of model validation to perform. Automated ML performs model validation as part of training. That is, automated ML uses validation data to tune model hyperparameters based on the applied algorithm to find the best combination that best fits the training data. However, the same validation data is used for each iteration of tuning, which introduces model evaluation bias since the model continues to improve and fit to the validation data.

To help confirm that such bias isn't applied to the final recommended model, automated ML supports the use of test data to evaluate the final model that automated ML recommends at the end of your experiment. When you provide test data as part of your AutoML experiment configuration, this recommended model is tested by default at the end of your experiment (preview).

upvoted 1 times

idioteque 2 years, 1 month ago

For me to remember xD

Validation set = predicts model = Yes (only yes)

upvoted 4 times

Yankam 2 years, 8 months ago

This question is not really clear to my understanding

upvoted 2 times

sdokmak 2 years, 6 months ago

the first and last statements are worded almost right, but actually make no sense

upvoted 1 times

Marski 2 years, 9 months ago

Official Microsoft documentation is missing. Where? Link ?

upvoted 1 times

pmblr2020 2 years, 8 months ago

That is ground truth of ML.

upvoted 2 times

12oct 2 years, 11 months ago

Is Test set and Validation set different in Azure ?

upvoted 3 times

pmblr2020 2 years, 8 months ago

No, it's same.

upvoted 1 times

Mirjalol 1 year, 7 months ago

Can you explain and prove that it's the same? I believe they are not

upvoted 1 times

brollyy 2 years, 10 months ago

Outside of Azure they both are different. Not sure about Azure!

upvoted 2 times

What are two metrics that you can use to evaluate a regression model? Each correct answer presents a complete solution.
NOTE: Each correct selection is worth one point.

A. coefficient of determination (R2)

B. F1 score

C. root mean squared error (RMSE)

D. area under curve (AUC)

E. balanced accuracy

Suggested Answer: *AC*
A: R-squared (R2), or Coefficient of determination represents the predictive power of the model as a value between -inf and 1.00. 1.00 means there is a perfect fit, and the fit can be arbitrarily poor so the scores can be negative.
C: RMS-loss or Root Mean Squared Error (RMSE) (also called Root Mean Square Deviation, RMSD), measures the difference between values predicted by a model and the values observed from the environment that is being modeled.
Incorrect Answers:
B: F1 score also known as balanced F-score or F-measure is used to evaluate a classification model.
D: aucROC or area under the curve (AUC) is used to evaluate a classification model.
Reference:
https://docs.microsoft.com/en-us/dotnet/machine-learning/resources/metrics

Community vote distribution

AC (100%)

👤 **pmblr2020** `Highly Voted 👍` 2 years, 8 months ago

Small hack: If its Regression model then remembers 'R' and the corresponding answer will be R2 and RMSE.

upvoted 89 times

👤 **baciga** 2 years, 5 months ago

great hack

upvoted 4 times

👤 **vhogstad** 1 year, 6 months ago

Super hack!

upvoted 2 times

👤 **rdemontis** `Most Recent ⊘` 1 year, 3 months ago

`Selected Answer: AC`

answer and explanation are correct

upvoted 2 times

👤 **alexein74** 1 year, 4 months ago

`Selected Answer: AC`

it's correct

upvoted 3 times

👤 **TJ001** 2 years, 8 months ago

RMSE , R2 and Mean Absolute Error (MAE) -> regression . remaining others regression in general

upvoted 3 times

👤 **TJ001** 2 years, 8 months ago

correction --#remaining others classification#

upvoted 1 times

👤 **Marskmen** 2 years, 10 months ago

A and C are correct answers

upvoted 2 times

HOTSPOT -

To complete the sentence, select the appropriate option in the answer area.

Hot Area:

Answer Area

Predicting how many vehicles will travel across a bridge on a given day is an example of [▼]

- classification.
- clustering.
- regression.

Suggested Answer:

Answer Area

Predicting how many vehicles will travel across a bridge on a given day is an example of [▼]

- classification.
- clustering.
- **regression.**

Regression is a machine learning task that is used to predict the value of the label from a set of related features.

Reference:

https://docs.microsoft.com/en-us/dotnet/machine-learning/resources/tasks

---

☐ 👤 **Bronskins** 3 months, 1 week ago

Correct. Whenever the prediction output is a number it'll be regression.

upvoted 1 times

☐ 👤 **rdemontis** 1 year, 3 months ago

correct

upvoted 3 times

☐ 👤 **JKRowlings** 2 years, 2 months ago

Regression is the correct answer.

upvoted 3 times

☐ 👤 **DrChats** 2 years, 3 months ago

on test 14/6/22

upvoted 2 times

☐ 👤 **ydu7312** 2 years, 4 months ago

Answer is correct

upvoted 1 times

☐ 👤 **TJ001** 2 years, 8 months ago

scalar output - regression

upvoted 2 times

☐ 👤 **nuyyep23** 2 years, 10 months ago

Another regression question. As long as the prediction output is numbers (not category), then it is regression.

upvoted 3 times

☐ 👤 **Marskmen** 2 years, 10 months ago

Regression is correct answer

DRAG DROP -

You need to use Azure Machine Learning designer to build a model that will predict automobile prices.

Which type of modules should you use to complete the model? To answer, drag the appropriate modules to the correct locations. Each module may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.
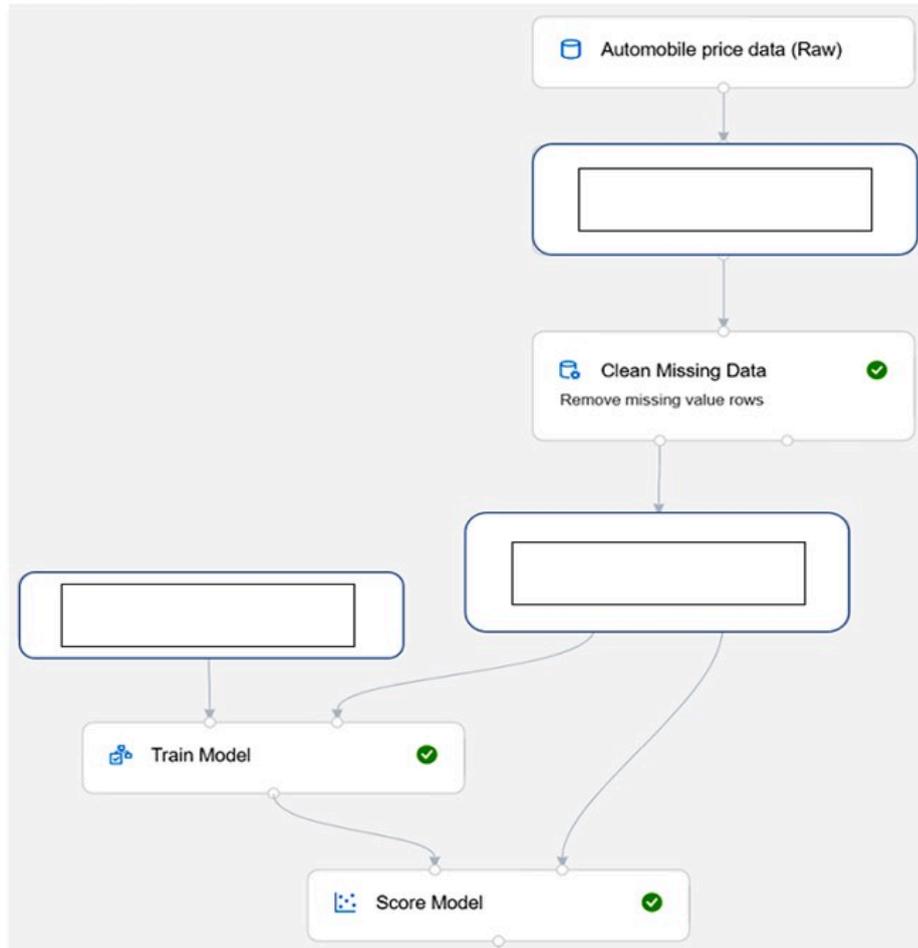
NOTE: Each correct selection is worth one point.

Select and Place:

Modules

Convert to CSV

K-Means Clustering

Linear Regression

Split Data

Select Columns in Dataset

Summarize Data

Answer Area

Automobile price data (Raw)

Clean Missing Data ✓
Remove missing value rows

Train Model ✓

Score Model ✓

Suggested Answer:

Modules

Convert to CSV

K-Means Clustering

Linear Regression

Split Data

Select Columns in Dataset

Summarize Data

Answer Area

🗄 Automobile price data (Raw)

Select Columns in Dataset

🗄 Clean Missing Data
Remove missing value rows ✅
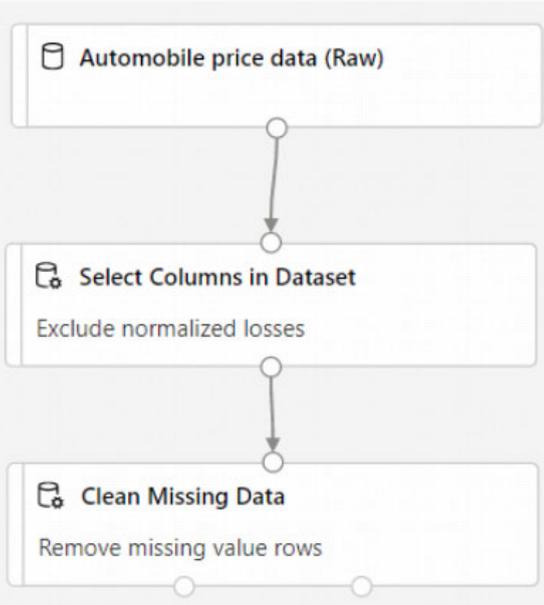
Split Data

Linear Regression

🖧 Train Model ✅

📊 Score Model ✅
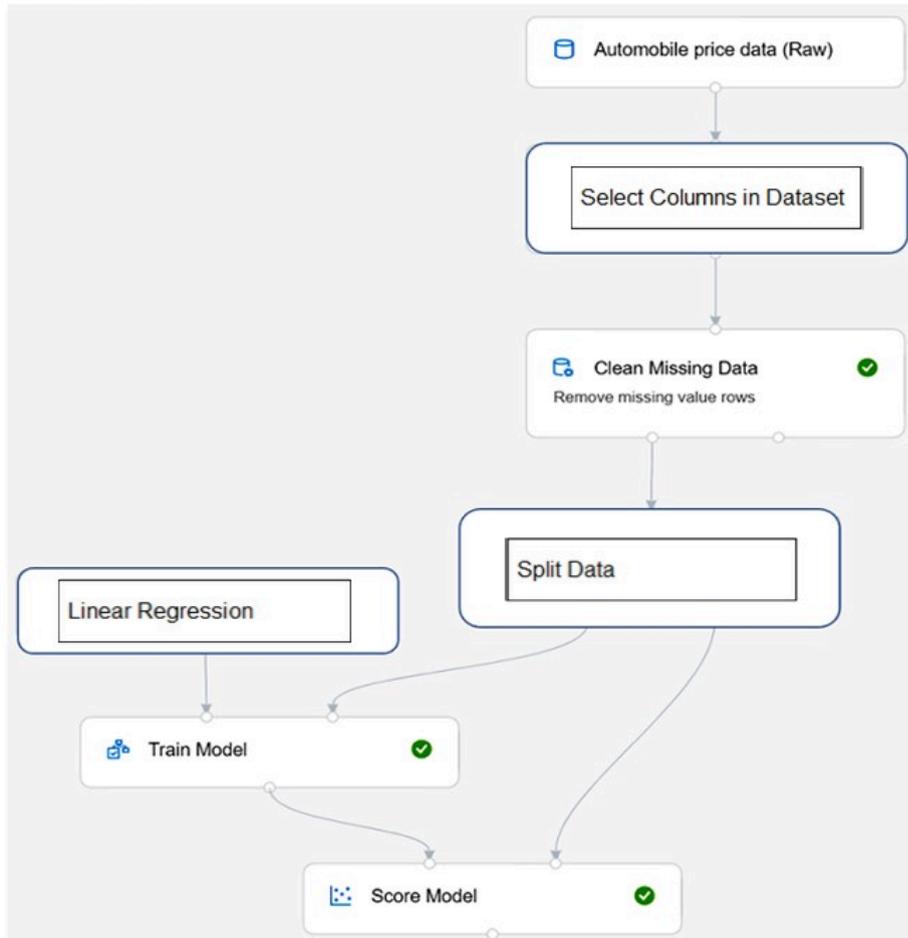
Box 1: Select Columns in Dataset

For Columns to be cleaned, choose the columns that contain the missing values you want to change. You can choose multiple columns, but you must use the same replacement method in all selected columns.

Example:

🗄 Automobile price data (Raw)

🗄 Select Columns in Dataset
Exclude normalized losses

🗄 Clean Missing Data
Remove missing value rows

Box 2: Split data -

Splitting data is a common task in machine learning. You will split your data into two separate datasets. One dataset will train the model and the other will test how well the model performed.

Box 3: Linear regression -

Because you want to predict price, which is a number, you can use a regression algorithm. For this example, you use a linear regression model.

Marskmen `Highly Voted 👍` 2 years, 10 months ago

Select Column in the dataset - 1st right

Split Data - 2nd right

Linear Regression - Left

upvoted 17 times

> **vhogstad** 1 year, 6 months ago
>
> Why not Convert to CSV on the 1st? ML models cannot work on raw data
>
> upvoted 1 times
>
> > **rdemontis** 1 year, 3 months ago
> >
> > Answer is correct, raw data means only that there could be null values on some rows. Once you have cleaned them you can use the dataset. If you convert data on CSV it will not solve null values issue. Instead use Column selection and clean data modules.
> >
> > upvoted 4 times

gs23mi `Highly Voted 👍` 2 years, 11 months ago

see https://docs.microsoft.com/en-us/azure/machine-learning/tutorial-designer-automobile-price-deploy

upvoted 7 times

sursur `Most Recent ⊘` 9 months, 2 weeks ago

ML models usually require data to be in a specific format. For instance, tabular data should be in rows and columns, and text data often needs to be tokenized or vectorized.

upvoted 1 times

dimple10 1 year, 1 month ago

why not applying logistic regression then split data?

upvoted 1 times

> **sujitwarrier11** 3 months, 3 weeks ago
>
> Then how would you evaluate your result? You should not evaluate your model on the same data you used to train it.
>
> upvoted 1 times

AdrienBnhm 1 year, 5 months ago

I think that before all, we should have a look to the dataset quality, and remove the useless features (Select column in dataset).

Then, we should transform raw data in CSV (ML doesn't work on raw data, that's a fact).

Finally, we split the dataset, and select a model.

So we need 4 boxes, and not 3 if we want to avoid an ambiguous question... :)

upvoted 1 times

elina_mukherjee 1 year, 11 months ago

ML models cannot work on raw data . So the first one should be converted to CSV. We convert to use dataframe.

upvoted 4 times

> **vhogstad** 1 year, 6 months ago
>
> I agree, why is this not change ?
>
> upvoted 1 times

Gmtt879 2 years, 2 months ago

Solution correct

upvoted 2 times

MohammadKhubeb 2 years, 8 months ago

Before cleaning, we must select the attribute/feature.

upvoted 4 times

Terryfyz 2 years, 8 months ago

hey how are youguys doing

upvoted 2 times

nuyyep23 2 years, 10 months ago

Ah..i forgot about the split data is referring to having train / test data.

Which type of machine learning should you use to identify groups of people who have similar purchasing habits?

    A. classification

    B. regression

    C. clustering

Suggested Answer: *C*

Clustering is a machine learning task that is used to group instances of data into clusters that contain similar characteristics. Clustering can also be used to identify relationships in a dataset

Reference:

https://docs.microsoft.com/en-us/dotnet/machine-learning/resources/tasks

Community vote distribution

C (100%)

👤 **cormorant** `Highly Voted 👍` 2 years, 5 months ago

it's official- whenever the questions involves groups, it's about clustering

upvoted 7 times

👤 **StephonaMendez** `Most Recent ⊘` 6 months, 1 week ago

Group = Clustering

upvoted 3 times

👤 **zellck** 1 year, 2 months ago

`Selected Answer: C`

C is the answer.

https://learn.microsoft.com/en-us/training/modules/create-clustering-model-azure-machine-learning-designer/2-clustering-scenarios

Clustering is a form of machine learning that is used to group similar items into clusters based on their features. For example, a researcher might take measurements of penguins, and group them based on similarities in their proportions.

upvoted 1 times

👤 **rdemontis** 1 year, 3 months ago

`Selected Answer: C`

correct

upvoted 3 times

👤 **sbs_2010** 1 year, 4 months ago

Was there in my todays exam

upvoted 4 times

👤 **endeesa** 1 year, 5 months ago

`Selected Answer: C`

Group = cluster

upvoted 4 times

👤 **ydu7312** 2 years, 4 months ago

Answer is correct

upvoted 2 times

👤 **baciga** 2 years, 5 months ago

`Selected Answer: C`

C is correct

upvoted 4 times

👤 **Pravda** 2 years, 6 months ago

On exam 3.3.2022

upvoted 2 times

👤 **TJ001** 2 years, 8 months ago

grouping with similar attributes -> clustering

upvoted 3 times

👤 **MohammadKhubeb** 2 years, 8 months ago

In clustering (k-means)similarity among the items are identified by various methods like by applying Euclidian distance function, cosine, sine

upvoted 1 times

👤 **Yankam** 2 years, 8 months ago

correct ans

upvoted 1 times

👤 **Marski** 2 years, 9 months ago

Very good example. K means and other clustering. Pizza eater groups for example: busy on-the-fly eaters, family table eaters etc.

upvoted 1 times

👤 **Marskmen** 2 years, 10 months ago

Clustering is the correct answer as a keyword is a group of people identification

upvoted 1 times

👤 **Gbolatiti** 2 years, 11 months ago

Correct

upvoted 1 times

👤 **Phemmy86** 2 years, 11 months ago

ans is correct

upvoted 2 times

HOTSPOT -

To complete the sentence, select the appropriate option in the answer area.

Hot Area:

Answer Area

| Classification |
| Clustering |
| Regression |

models can be used to predict the sale price of auctioned items.

Suggested Answer:

Answer Area

| Classification |
| Clustering |
| **Regression** |

models can be used to predict the sale price of auctioned items.

Regression is a machine learning task that is used to predict the value of the label from a set of related features.

Reference:

https://docs.microsoft.com/en-us/dotnet/machine-learning/resources/tasks

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🗑 👤 **Marskmen** `Highly Voted 👍` 2 years, 10 months ago

Sale price is numeric , hence regression is the correct answer

upvoted 8 times

🗑 👤 **JKRowlings** `Highly Voted 👍` 2 years, 2 months ago

Regression is the correct answer

upvoted 5 times

🗑 👤 **StephonaMendez** `Most Recent ⊙` 6 months, 1 week ago

Prediction, Numeric Values -> Regression

upvoted 1 times

🗑 👤 **Shri0506** 8 months, 3 weeks ago

in exam 29 Dec 2023

upvoted 2 times

🗑 👤 **rdemontis** 1 year, 3 months ago

correct

upvoted 2 times

🗑 👤 **vhogstad** 1 year, 6 months ago

PREDICT = REGRESSION

upvoted 3 times

🗑 👤 **ydu7312** 2 years, 4 months ago

Answer is correct

upvoted 1 times

🗑 👤 **TJ001** 2 years, 8 months ago

scalar output -> regression is the thump rule

upvoted 4 times

🗑 👤 **Phemmy86** 2 years, 10 months ago

GIVEN ANS IS CORRECT

upvoted 4 times

Which metric can you use to evaluate a classification model?

    A. true positive rate

    B. mean absolute error (MAE)

    C. coefficient of determination (R2)

    D. root mean squared error (RMSE)

Suggested Answer: *A*

What does a good model look like?

An ROC curve that approaches the top left corner with 100% true positive rate and 0% false positive rate will be the best model. A random model would display as a flat line from the bottom left to the top right corner. Worse than random would dip below the y=x line.

Reference:

https://docs.microsoft.com/en-us/azure/machine-learning/how-to-understand-automated-ml#classification

Community vote distribution

A (100%)

GetulioJr `Highly Voted 👍` 3 years, 3 months ago

MAE, RMSE and R2 are metris for regression:

https://docs.microsoft.com/en-us/azure/machine-learning/algorithm-module-reference/evaluate-model

So answer is correct.

upvoted 21 times

    micro9000 1 year, 4 months ago

    ref: https://learn.microsoft.com/en-us/azure/machine-learning/component-reference/evaluate-model?view=azureml-api-2

    upvoted 1 times

ssshhhh `Highly Voted 👍` 2 years, 11 months ago

FYI: the concept Receiver Operating Characteristic (ROC) was developed during World War II for the analysis of radar receivers.

Reference: https://stats.stackexchange.com/questions/341043/what-is-the-origin-of-the-receiver-operating-characteristic-roc-terminology

upvoted 10 times

rdemontis `Most Recent ⊘` 1 year, 3 months ago

`Selected Answer: A`

answer is correct

upvoted 2 times

micro9000 1 year, 4 months ago

The keyword for regression is "error" except for the metric Coefficient of determination

The metrics returned for regression models are designed to estimate the amount of error,

so the answer is correct for classification

upvoted 1 times

    micro9000 1 year, 4 months ago

    ref: https://learn.microsoft.com/en-us/azure/machine-learning/component-reference/evaluate-model?view=azureml-api-2

    upvoted 1 times

Mu5 1 year, 7 months ago

A IS CORRECT

upvoted 2 times

ydu7312 2 years, 4 months ago

Answer is correct

upvoted 1 times

heenak55 2 years, 5 months ago

In test on 17 April 2022

upvoted 3 times

Pravda 2 years, 6 months ago

Selected Answer: A

On exam 3.3.2022

upvoted 4 times

fadhilmukh 3 years ago

true positive rate is correct answer

upvoted 2 times

SmileOS 3 years ago

Correct!

upvoted 1 times

Amstel 3 years ago

Answer is correct

upvoted 1 times

Tanat 3 years, 2 months ago

"A" is the correct answer

https://docs.microsoft.com/en-us/azure/machine-learning/how-to-understand-automated-ml#classification

upvoted 3 times

TariqNawaz 3 years, 3 months ago

Correct answer is A

upvoted 2 times

GodfreyMbizo 3 years, 4 months ago

i think its A,the idea behind confusion Matrix

upvoted 4 times

ShefAZ 3 years, 5 months ago

In exam 27 March

upvoted 2 times

Azurite 3 years, 6 months ago

Came in exam Feb 28

upvoted 4 times

SSJA 3 years, 8 months ago

Given answer is correct - A

upvoted 2 times

Which two components can you drag onto a canvas in Azure Machine Learning designer? Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point.

    A. dataset

    B. compute

    C. pipeline

    D. module

Suggested Answer: *AD*
You can drag-and-drop datasets and modules onto the canvas.
Reference:
https://docs.microsoft.com/en-us/azure/machine-learning/concept-designer

Community vote distribution

AD (100%)

ExamTopics007 `Highly Voted 👍` 3 years, 9 months ago

Azure Machine Learning designer lets you visually connect datasets and modules on an interactive canvas to create machine learning models.
upvoted 48 times

dennis `Highly Voted 👍` 3 years, 6 months ago

Answer is correct
upvoted 10 times

osagiestar `Most Recent ⊙` 4 months ago

`Selected Answer: AD`

https://learn.microsoft.com/en-us/previous-versions/azure/machine-learning/classic/studio-classic-overview
upvoted 1 times

osagiestar 4 months ago

https://learn.microsoft.com/en-us/previous-versions/azure/machine-learning/classic/studio-classic-overview
upvoted 1 times

ServiceNow688 6 months, 3 weeks ago

Answer is A & C
https://learn.microsoft.com/en-us/azure/machine-learning/concept-designer?view=azureml-api-2
upvoted 1 times

Vanessa23 10 months, 1 week ago

Dataset and module
upvoted 1 times

fabras 1 year ago

why everyone answer AD like sheeps?
should be A,C.
Dataset is the essential fist thing to include in a classification ML model and the pipeline is way to elaborate new features and allow deploy the results.

there is not module or compute in ML designer.

https://learn.microsoft.com/en-us/training/modules/create-regression-model-azure-machine-learning-designer/5-regression-steps
upvoted 1 times

Mehe323 8 months, 2 weeks ago

The audacity to call other people sheepS (tip: sheep is both singular and plural) and having the answer wrong...

https://azure.microsoft.com/en-au/products/machine-learning/designer/

https://azure.microsoft.com/en-au/products/machine-learning/designer
upvoted 6 times

□ 👤 **mfreak** 11 months, 4 weeks ago

A "module" refers to an individual operation or step that you can add to your machine learning workflow. These modules represent specific tasks or operations, such as data preprocessing, feature engineering, model training, model scoring, and evaluation.
upvoted 2 times

□ 👤 **Sylph** 1 year, 1 month ago

Seems to have changed to Data, Model, Component? https://learn.microsoft.com/en-us/azure/machine-learning/concept-designer?view=azureml-api-2#assets
upvoted 2 times

□ 👤 **rdemontis** 1 year, 3 months ago

Selected Answer: AD

answer is correct, you can drag datasets and modules
upvoted 3 times

□ 👤 **alexein74** 1 year, 4 months ago

Selected Answer: AD

A D are correct answer
upvoted 3 times

□ 👤 **EdilmaM** 2 years, 1 month ago

a and d are correct
upvoted 1 times

□ 👤 **ydu7312** 2 years, 4 months ago

Answer is correct
upvoted 1 times

□ 👤 **heenak55** 2 years, 5 months ago

In test on 17 April 2022
upvoted 2 times

□ 👤 **baciga** 2 years, 5 months ago

Selected Answer: AD

A D are correct
upvoted 3 times

□ 👤 **Pravda** 2 years, 6 months ago

On exam 3.3.2022
upvoted 3 times

□ 👤 **TJ001** 2 years, 8 months ago

agreed -> pipeline is essential the canvas output
upvoted 4 times

□ 👤 **wpa2** 2 years, 9 months ago

what is a module?
upvoted 3 times

□ 👤 **mfreak** 11 months, 4 weeks ago

A "module" refers to an individual operation or step that you can add to your machine learning workflow. These modules represent specific tasks or operations, such as data preprocessing, feature engineering, model training, model scoring, and evaluation.
upvoted 1 times

You need to create a training dataset and validation dataset from an existing dataset.

Which module in the Azure Machine Learning designer should you use?

    A. Select Columns in Dataset

    B. Add Rows

    C. Split Data

    D. Join Data

Suggested Answer: *C*

A common way of evaluating a model is to divide the data into a training and test set by using Split Data, and then validate the model on the training data.

Use the Split Data module to divide a dataset into two distinct sets.

The studio currently supports training/validation data splits

Reference:

https://docs.microsoft.com/en-us/azure/machine-learning/how-to-configure-cross-validation-data-splits

Community vote distribution

C (100%)

☐ 👤 **kumarakash** `Highly Voted 👍` 3 years, 4 months ago

C. Split Data

upvoted 17 times

☐ 👤 **baciga** `Highly Voted 👍` 2 years, 5 months ago

`Selected Answer: C`

C is correct

upvoted 6 times

☐ 👤 **rdemontis** `Most Recent ⊘` 1 year, 3 months ago

`Selected Answer: C`

correct answer you need to split the data in order to perform reliable tests on the model.

upvoted 2 times

☐ 👤 **alexein74** 1 year, 4 months ago

`Selected Answer: C`

C is correct

upvoted 3 times

☐ 👤 **Mu5** 1 year, 7 months ago

C IS CORRECT

upvoted 2 times

☐ 👤 **Cloudlearnings** 1 year, 9 months ago

c - Split Data is absolutely right

upvoted 2 times

☐ 👤 **ydu7312** 2 years, 4 months ago

Answer is correct

upvoted 1 times

☐ 👤 **Pravda** 2 years, 6 months ago

On exam 3.3.2022

upvoted 4 times

☐ 👤 **SmileOS** 3 years ago

Correct!

upvoted 1 times

☐ 👤 **Amstel** 3 years ago

Given answer is correct

upvoted 1 times

⊟ 👤 **akatsuki38** 3 years, 1 month ago

Given answer is correct

upvoted 2 times

⊟ 👤 **TariqNawaz** 3 years, 3 months ago

Answer is correct

upvoted 1 times

⊟ 👤 **Ash111** 3 years, 5 months ago

Given ans is correct

upvoted 4 times

⊟ 👤 **Giggles_a12** 3 years, 7 months ago

anser is correct.

upvoted 2 times

⊟ 👤 **ipindado2020** 3 years, 9 months ago

answer is correct

upvoted 3 times

⊟ 👤 **ExamTopics007** 3 years, 9 months ago

https://docs.microsoft.com/en-us/azure/machine-learning/how-to-create-register-datasets

upvoted 2 times

DRAG DROP -

Match the types of machine learning to the appropriate scenarios.

To answer, drag the appropriate machine learning type from the column on the left to its scenario on the right. Each machine learning type may be used once, more than once, or not at all.

NOTE: Each correct selection is worth one point.

Select and Place:

Learning Types

| Classification |
| Clustering |
| Regression |

Answer Area

Learning Type	Predict how many minutes late a flight will arrive based on the amount of snowfall at an airpoint.
Learning Type	Segment customers into different groups to support a marketing department.
Learning Type	Predict whether a student will complete a university course.

Suggested Answer:

Learning Types

| Classification |
| Clustering |
| Regression |

Answer Area

Regression	Predict how many minutes late a flight will arrive based on the amount of snowfall at an airpoint.
Clustering	Segment customers into different groups to support a marketing department.
Classification	Predict whether a student will complete a university course.

Box 1: Regression -

In the most basic sense, regression refers to prediction of a numeric target.

Linear regression attempts to establish a linear relationship between one or more independent variables and a numeric outcome, or dependent variable.

You use this module to define a linear regression method, and then train a model using a labeled dataset. The trained model can then be used to make predictions.

Box 2: Clustering -

Clustering, in machine learning, is a method of grouping data points into similar clusters. It is also called segmentation.

Over the years, many clustering algorithms have been developed. Almost all clustering algorithms use the features of individual items to find similar items. For example, you might apply clustering to find similar people by demographics. You might use clustering with text analysis to group sentences with similar topics or sentiment.

Box 3: Classification -

Two-class classification provides the answer to simple two-choice questions such as Yes/No or True/False.

Reference:

https://docs.microsoft.com/en-us/azure/machine-learning/studio-module-reference/linear-regression

---

☐ 👤 **ashayk** `Highly Voted 👍` 3 years, 11 months ago

The answer is wrong for point no 2 and 3.

It is clear in the comments provided below:

Clustering is unsupervised learning technique about grouping similar variables together. the answer should be clustering.

third, predict whether -- this is clear classification problem.

upvoted 59 times

☐ 👤 **andre999** 2 years, 11 months ago

The answers are updated and correct (1 - Regression, 2 - Clustering, 3 - Classification), so please update the message so as to avoid confusion.

upvoted 51 times

⊟ 👤 **jackreacher** `Highly Voted 👍` 3 years, 11 months ago

2nd one should be clustering, 3rd one should be classification

upvoted 49 times

⊟ 👤 **rdemontis** `Most Recent ⊘` 1 year, 3 months ago

now the answer are correct!

upvoted 5 times

⊟ 👤 **vhogstad** 1 year, 6 months ago

Predict = Regression

Group = Clustering

Complete (Yes/No) = Classification (If the question is Predict the grade its regression)

upvoted 5 times

⊟ 👤 **FabianBigData** 2 years ago

correct

upvoted 1 times

⊟ 👤 **ydu7312** 2 years, 4 months ago

Answer is correct

upvoted 1 times

⊟ 👤 **Saikishor** 2 years, 10 months ago

remember this

when grouping something it is cluster

when outcome is a single one it is regression

When yes or no it is a classification

upvoted 10 times

⊟ 👤 **BillBaits** 2 years, 9 months ago

classification means assign to fixed groups, not just yes or no.

upvoted 2 times

⊟ 👤 **akatsuki38** 3 years, 1 month ago

Regression, clustering & classification

upvoted 7 times

⊟ 👤 **[Removed]** 3 years, 3 months ago

2nd one should be clustering, 3rd one should be classification

upvoted 1 times

⊟ 👤 **Babuni** 3 years, 4 months ago

Segment Customers into different groups to support a marketing initiative: Clustering

Predict whether or not a student will complete a university course: Classification

upvoted 1 times

⊟ 👤 **spykidXX** 3 years, 4 months ago

segment into groups = clustering

prediction = regression

upvoted 3 times

⊟ 👤 **Kanjati** 3 years, 4 months ago

Regression, clustering and classification

upvoted 3 times

⊟ 👤 **Chinnathala** 3 years, 4 months ago

Correct Answers are :-

1- Regression

2- Clustering

3- Classification

upvoted 8 times

⊟ 👤 **AmiraBedhiafi** 3 years, 4 months ago

1- Regression
2- Clustering
3- Classification
  upvoted 10 times

👤 **Shammy45** 3 years, 5 months ago
regression , Clustering , Classification
  upvoted 2 times

👤 **RajeshDB** 3 years, 6 months ago
Answer is 1.Regression, 2.Clustering and 3.Classification
  upvoted 6 times

👤 **vmontalvao** 3 years, 6 months ago
You don't need to use all available possibilities and you can use one more than once. For predictions you use Regression type so this is my answer:
1. Regression
2. Clustering
3. Regression
  upvoted 2 times

  👤 **Massy** 3 years, 6 months ago
  The third is classification, you have to predict "pass" or "not pass". It would be regression if the goal was to predict the exam grade
    upvoted 6 times

    👤 **vmontalvao** 3 years, 5 months ago
    Yeah, I've reviewed and you are right. It's a boolean answer so definitively Classification for the 3rd one. Apologizes if I've mislead somebody.
      upvoted 4 times

      👤 **fabras** 1 year ago
      Correct,
      not only regression has "prediction" keyword. Infact, ML Classification method is not a simple dispatcher of features in two sets but it used some ML techniques(SVM,Logistic Regression) to decide what feature should associated with a result label (Pass/NotPass)!

      https://www.datacamp.com/blog/classification-machine-learning
        upvoted 1 times

👤 **ppandher** 2 years, 11 months ago
The Third part id YES/NO whether it will pass or not hence classification.
  upvoted 1 times

HOTSPOT -

To complete the sentence, select the appropriate option in the answer area.

Hot Area:

Answer Area

Accuracy
Confidence
Root Mean Square Error
Sentiment

▼ is the calculated probability of a correct image classification.

Suggested Answer:

Answer Area

Accuracy
Confidence
Root Mean Square Error
Sentiment

▼ is the calculated probability of a correct image classification.

Reference:

https://docs.microsoft.com/en-us/azure/cognitive-services/custom-vision-service/getting-started-build-a-classifier

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☐ 👤 **cdplayer** `Highly Voted 👍` 2 years, 4 months ago

Confidence is the right answer bitches

upvoted 20 times

☐ 👤 **harshit101** 4 months, 1 week ago

STOP COPYING OTHER'S COMMENTS TO LOOK COOL!

upvoted 5 times

☐ 👤 **rdemontis** `Highly Voted 👍` 1 year, 3 months ago

Given answer is wrong. The calculated probability of a correct image classification is typically referred to as "confidence."

Confidence represents the level of certainty or probability assigned to a specific classification prediction made by a machine learning model. It indicates the model's belief in the accuracy of its prediction. For example, if a model classifies an image as a dog with a confidence of 0.85, it means the model is 85% confident that the image is correctly classified as a dog.

On the other hand, accuracy is a metric that measures the overall correctness of the model's predictions. It represents the ratio of correct predictions to the total number of predictions made by the model. Accuracy alone does not provide information about the level of confidence or certainty for individual predictions.

upvoted 12 times

☐ 👤 **BobFar** `Most Recent ⊘` 1 month, 3 weeks ago

Confidence is the right answer

-Confidence refers to the degree of certainty an AI model has about its prediction or decision.

-Accuracy is the percentage of correct predictions

-Root Mean Square Error (RMSE) is a statistical measure of the differences between predicted values and actual observed values.

-Sentiment is typically associated with the emotional tone or attitude expressed in a piece of text.

upvoted 1 times

☐ 👤 **sourav1up** 2 months ago

Confidence is the right answer

upvoted 1 times

annonuser 2 months, 3 weeks ago

confidence is the correct answer

upvoted 1 times

amuinfree 2 months, 3 weeks ago

Confidence is the correct answer

upvoted 1 times

BigBadNerdUK 3 months, 2 weeks ago

Confidence is the calculated probability of a correct image classification. PARKLIFE

upvoted 4 times

Blueskyblueocean 4 months, 3 weeks ago

Scoring for classification includes: confusion matrix, accuracy, recall, precision, F1-score, and AUC. Therefore among the answer choices, accuracy is the correct one.

upvoted 1 times

gvldesigner 5 months, 4 weeks ago

EXAM TOPICS ! Please update the answer!

upvoted 2 times

StephonaMendez 6 months, 1 week ago

Confidence

upvoted 1 times

ikramus 7 months, 1 week ago

Confidence

https://learn.microsoft.com/en-us/training/modules/detect-objects-images-custom-vision/1a-what-is-object-detection

upvoted 2 times

tuantmb 11 months, 4 weeks ago

Confidence (as the documention describes)

upvoted 2 times

EwoutBI 1 year ago

After calculating the probability based on what I've learned and this forum, I'm confident that the right answer is Confidence.

upvoted 2 times

aleguano 1 year ago

Confidence is the right answer

upvoted 1 times

Ronyboy 1 year ago

Confidence

upvoted 1 times

dimple10 1 year, 1 month ago

THE CORRECT ANSWER IS CONFIDENCE

upvoted 1 times

Privat 1 year, 1 month ago

Answer is Confidence.

See: https://learn.microsoft.com/en-us/azure/ai-services/custom-vision-service/getting-started-build-a-classifier

Note the Probability Threshold slider on the left pane of the Performance tab. This is the level of confidence that a prediction needs to have in order to be considered correct (for the purposes of calculating precision and recall).

upvoted 1 times

HOTSPOT -

To complete the sentence, select the appropriate option in the answer area.

Hot Area:

Answer Area

Ensuring an AI system does not provide a prediction when important fields contain unusual or missing values is [▼] principle for responsible AI.

- an inclusiveness
- a privacy and security
- a reliability and safety
- a transparency

Suggested Answer:

Answer Area

Ensuring an AI system does not provide a prediction when important fields contain unusual or missing values is [▼] principle for responsible AI.

- an inclusiveness
- a privacy and security
- **a reliability and safety**
- a transparency

Reference:

https://docs.microsoft.com/en-us/azure/cloud-adoption-framework/innovate/best-practices/trusted-ai

---

SiDoCiOuS `Highly Voted 👍` 2 years, 5 months ago

Appeared on exam: 03/31/2022. Answer is correct!

upvoted 8 times

BobFar `Most Recent ⊙` 1 month, 3 weeks ago

Answer is correct Reliability and Safety

1. Fairness: AI systems should be designed and built to avoid unfair bias.

e.g: A facial recognition system should accurately identify people of all ethnicities and genders.

2. Reliability and Safety:AI systems should be reliable and safe.

e.g: Self-driving cars should be designed to operate safely in various road conditions and handle unexpected situations.

3. Privacy and Security: AI systems should be built with privacy and security in mind.

e.g: Protecting user data and preventing unauthorized access to AI models.

4. Inclusiveness: AI systems should be designed for everyone and avoid unintended bias.

e.g: Developing speech recognition systems that accurately recognize a wide range of accents and dialects.

5. Transparency: AI systems should be understandable and explainable.

e.g: Providing clear explanations for decisions made by AI models, such as loan approval or job candidate selection.

6. Accountability: People should be held accountable for the technology they create.

e.g: Establishing clear guidelines for AI development and deployment, including roles and responsibilities.

upvoted 1 times

Clouddddd 8 months, 1 week ago

On exam 08/01/2024

upvoted 2 times

vini23 12 months ago

This question appeared in Exam on 9/17/23

upvoted 2 times

rdemontis 1 year, 3 months ago

correct

upvoted 2 times

ydu7312 2 years, 4 months ago

Answer is correct

upvoted 3 times

Pravda 2 years, 6 months ago

On exam 3.3.2022

upvoted 2 times

Mandybhatla 2 years, 8 months ago

In Exam December 2021

upvoted 3 times

Marskmen 2 years, 10 months ago

C is correct Answer

upvoted 4 times

HOTSPOT -

To complete the sentence, select the appropriate option in the answer area.

Hot Area:

Answer Area

Ensuring that the numeric variables in training data are on a similar scale is an example of

| ▼ |
| data ingestion. |
| feature engineering. |
| feature selection. |
| model training. |

Suggested Answer:

Answer Area

Ensuring that the numeric variables in training data are on a similar scale is an example of

| ▼ |
| data ingestion. |
| feature engineering. |
| feature selection. |
| model training. |

Reference:

https://docs.microsoft.com/en-us/azure/architecture/data-science-process/create-features

---

👤 **koni_** `Highly Voted 👍` 2 years, 10 months ago

I think it should be feature engineering.

upvoted 85 times

👤 **mishumashu** 2 years, 3 months ago

Agree. This is "Normalization of Data", it involves CHANGING values of input data, and can only be done AFTER feature selection -- i.e. this is feature engineering.

upvoted 18 times

👤 **rfiuvcfns** `Highly Voted 👍` 2 years, 10 months ago

Based on this statement from the referenced article: Feature selection: The process of selecting the key subset of features to reduce the dimensionality of the training problem.

Feature selection is the answer since feature engineering is the creation of NEW features from raw data to capture additional information not easily apparent in the original feature set.

upvoted 25 times

👤 **xiban** 2 years, 10 months ago

and what about feature transformation ?

upvoted 3 times

👤 **Ayor** 2 years, 2 months ago

Or feature scaling

upvoted 1 times

👤 **rfiuvcfns** 2 years, 10 months ago

Good point and it would seem the most appropriate answer to this question would be Data Transformation. However, to my uneducated eye, that would still make the answer feature selection since you would select features from the transformed data.

I'm guessing the key here it to recall feature engineering is applied first to generate additional features, and then feature selection is done to eliminate irrelevant, redundant, or highly correlated features.

upvoted 2 times

👤 **BobFar** `Most Recent ⊘` 1 month, 3 weeks ago

The answer is Feature engineering!

Feature engineering involves transforming raw data into features suitable for machine learning algorithms.

One crucial step is to ensure that numeric variables have a similar scale. This process, often called normalization or standardization, prevents

features with larger scales from dominating the model's learning process.

e.g:
Imagine you have a dataset with two features: age (ranging from 18 to 65) and income (ranging from $10,000 to $200,000). Without scaling, the income feature might dominate the model's decision-making process, leading to biased results. By scaling both features to a similar range (e.g., 0 to 1), the model can treat both features equally.

upvoted 1 times

☐ 👤 **60ties** 3 months ago

Feature Engineering = Creation of NEW features from the given raw data. E.g creation of a "seconds" column from a "days" column. Here we are both normalizing and creating a new feature called "seconds." Feature Engineering is the best answer here.

Meanwhile Feature selection is choosing features that have (direct & measurable) impacts on the predictions. E.g. Choosing "Driver's Age" & "Number of Years of Driving" & ignoring "Drivers Names" for predicting the likely hood of having a road accident

upvoted 1 times

☐ 👤 **60ties** 3 months ago

Feature Engineering = Creation of NEW features from the given raw data. E.g creation of a "seconds" column from a "days" column. Here we are both normalizing and creating a new feature called "seconds." Feature Engineering is the best answer here.

upvoted 1 times

☐ 👤 **stepkurniawan** 7 months, 3 weeks ago

feature selection is a process of reducing / dropping features, so it is not the correct answer.

upvoted 1 times

☐ 👤 **kd333200** 10 months, 3 weeks ago

This is normalization. In the context of machine learning and data preprocessing, normalization is considered a feature engineering technique, not feature selection.

upvoted 6 times

☐ 👤 **katrang** 11 months, 3 weeks ago

Normally feature engineering is applied first to generate additional features, and then feature selection is done to eliminate irrelevant, redundant, or highly correlated features.

upvoted 1 times

☐ 👤 **mcalif** 1 year, 1 month ago

the given answer is wrong. The correct one is feature engineering

upvoted 6 times

☐ 👤 **takusui** 1 year, 2 months ago

Feature engineering, as it is hinted here: https://learn.microsoft.com/en-us/azure/machine-learning/concept-automated-ml?view=azureml-api-2#feature-engineering

upvoted 4 times

☐ 👤 **mciezak** 1 year, 1 month ago

I agree: "In Azure Machine Learning, scaling and normalization techniques are applied to facilitate feature engineering"

upvoted 2 times

☐ 👤 **rdemontis** 1 year, 3 months ago

Given answer is wrong.

Feature engineering involves transforming or manipulating the input features (variables) in a way that improves the performance or interpretability of a machine learning model. One common technique in feature engineering is scaling or normalizing numeric variables to ensure they have a similar scale or range.

When the numeric variables have different scales, it can negatively impact the performance of certain machine learning algorithms. For example, algorithms that are sensitive to the scale of variables, such as gradient descent-based optimization algorithms, may converge slowly or exhibit biased results if the variables have significantly different scales.

https://towardsdatascience.com/feature-engineering-for-numerical-data-e20167ec18

upvoted 5 times

☐ 👤 **leojadue** 1 year, 3 months ago

Ensuring that the numeric variables in training data are on a similar scale is an example of feature engineering.

Feature engineering involves transforming raw data into a format that is more suitable for modeling. It can involve a range of activities, such as dealing with missing values, creating new features from existing ones, encoding categorical variables, and normalizing numeric variables. Normalizing numeric variables, as you mentioned, is a common form of feature engineering to ensure all variables are on a similar scale. This can be particularly important for certain types of models, like neural networks and support vector machines, which can behave poorly if the features are not on similar scales.

upvoted 1 times

master_yoda 1 year, 4 months ago

Normalization is a **feature engineering** technique used to adjust the values of features in a dataset to a common scale. This is done to facilitate data analysis and modeling, and to reduce the impact of different scales on the accuracy of machine learning models [1]. Is there anything else you would like to know?

Source: Conversation with Bing, 4/24/2023

(1) Feature Engineering: Scaling, Normalization and Standardization. https://www.analyticsvidhya.com/blog/2020/04/feature-scaling-machine-learning-normalization-standardization/ Accessed 4/24/2023.

upvoted 3 times

XtraWest 1 year, 5 months ago

Feature Engineering as per Chat GPT (dealing with data on a similar scale)

upvoted 4 times

p1zz4 1 year, 7 months ago

feature engineering 100%

upvoted 5 times

Romanhuki 1 year, 11 months ago

Feature Selection is the right answer: Normally feature engineering is applied first to generate additional features, and then feature selection is done to eliminate irrelevant, redundant, or highly correlated features. (https://learn.microsoft.com/en-us/azure/architecture/data-science-process/create-features)

upvoted 2 times

Alex_W 3 months, 1 week ago

No, correct answer is feature engineering. Ensuring that numeric variables are on similar scale involves normalization, which is a kind of feature engineering.

upvoted 1 times

sriram72 2 years, 2 months ago

A confusing question (with the given answers) for sure! I am not sure about whether this should be Feature Engineering or Feature Selection

upvoted 4 times

HOTSPOT -

To complete the sentence, select the appropriate option in the answer area.

Hot Area:

Answer Area

Assigning classes to images before training a classification model is an example of

▼
evaluation.
feature engineering
hyperparameter tuning.
labeling.

Suggested Answer:

Answer Area

Assigning classes to images before training a classification model is an example of

▼
evaluation.
feature engineering
hyperparameter tuning.
labeling.

Reference:

https://docs.microsoft.com/en-us/azure/machine-learning/how-to-label-data

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☐ 👤 **crainos** `Highly Voted 👍` 2 years, 10 months ago

labelling

upvoted 11 times

☐ 👤 **Marskmen** `Highly Voted 👍` 2 years, 10 months ago

Answer labelling is correct

https://docs.microsoft.com/en-us/azure/machine-learning/how-to-label-data

upvoted 6 times

☐ 👤 **rdemontis** `Most Recent ⊙` 1 year, 3 months ago

correct answer

upvoted 2 times

☐ 👤 **shogoleo** 2 years, 8 months ago

Correct

upvoted 4 times

☐ 👤 **phavour** 2 years, 10 months ago

Please who is sure of this answer?

upvoted 1 times

☐ 👤 **frankokabbb** 6 months, 1 week ago

Person above the person above the person above the person above me is sure.

upvoted 1 times

☐ 👤 **aykhazri** 2 years, 9 months ago

I'm sure

upvoted 5 times

☐ 👤 **ToddW** 1 year, 1 month ago

Person above me is sure.

upvoted 1 times

☐ 👤 **nwy_devops** 6 months, 4 weeks ago

Person above the person above me is sure.

  ☐ 👤 **facilitator** 6 months, 3 weeks ago

Person above the person above the person above me is sure.

  ☐ 👤 **facilitator** 6 months, 3 weeks ago

Person above the person above the person above me is sure.

HOTSPOT -

You have an Azure Machine Learning model that predicts product quality. The model has a training dataset that contains 50,000 records. A sample of the data is shown in the following table.

Date	Time	Mass (kg)	Temperature (C)	Quality Test
26/02/2021	15:31:07	2.108	62.5	Pass
26/02/2021	15:31:39	2.099	62.4	Pass
26/02/2021	02:32:21	2.098	66.4	Fail

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
Mass (kg) is a feature.	○	○
Quality Test is a label.	○	○
Temperature (C) is a label.	○	○

Suggested Answer:

Answer Area

Statements	Yes	No
Mass (kg) is a feature.	●	○
Quality Test is a label.	●	○
Temperature (C) is a label.	○	●

Reference:

https://docs.microsoft.com/en-us/azure/machine-learning/component-reference/filter-based-feature-selection

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☐ 👤 **vhogstad** `Highly Voted 👍` 1 year, 6 months ago

Variables or measurements = Features

Classifications/True/Falses= Labels

upvoted 16 times

☐ 👤 **BobFar** `Most Recent ⊘` 1 month, 3 weeks ago

In essence, variables/measurements are the raw data, features are the processed data used for training, and labels are the target variable you're trying to predict in classification tasks.

upvoted 1 times

☐ 👤 **BXtheCoder** 6 months ago

Answer is correct.

upvoted 1 times

Clouddddd 8 months, 1 week ago

On exam 08/01/2024

upvoted 3 times

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saurabh_r 11 months ago

I got this question in my exam - thanks for the support

upvoted 1 times

---

saurabh_r 11 months ago

I got this question in my exam.

upvoted 1 times

Ronyboy 1 year ago

last column in table is always label.

upvoted 1 times

---

tsk9921 1 year, 1 month ago

Given answer is correct. Temp is also feature (like Mass) not a label. Quality test is classification based label.

upvoted 1 times

---

rdemontis 1 year, 3 months ago

correct

upvoted 2 times

CloudWatcher420 1 year, 9 months ago

correct

upvoted 2 times

BLUE_BUBBLES 2 years ago

The answer is correct.

upvoted 3 times

---

affhh2 2 years ago

I think the answer is correct

upvoted 2 times

HOTSPOT -

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
You train a regression model by using unlabeled data.	○	○
The classification technique is used to predict sequential numerical data over time.	○	○
Grouping items by their common characteristics is an example of clustering.	○	○

Suggested Answer:

Answer Area

Statements	Yes	No
You train a regression model by using unlabeled data.	○	○ (selected)
The classification technique is used to predict sequential numerical data over time.	○	○ (selected)
Grouping items by their common characteristics is an example of clustering.	○ (selected)	○

Reference:

https://docs.microsoft.com/en-us/learn/modules/create-regression-model-azure-machine-learning-designer/5-create-training-pipeline

https://docs.microsoft.com/en-us/learn/modules/create-classification-model-azure-machine-learning-designer/introduction

https://docs.microsoft.com/en-us/learn/modules/create-clustering-model-azure-machine-learning-designer/1-introduction

---

👤 **sbs_2010** `Highly Voted 👍` 1 year, 4 months ago

Answer is correct and it was there in my todays exam

upvoted 10 times

👤 **Vijayachakravarthy** `Highly Voted 👍` 1 year, 11 months ago

No, No, Yes

upvoted 9 times

👤 **BobFar** `Most Recent ⊙` 1 month, 3 weeks ago

Answer is correct

-Regression predicts a continuous numerical value, which is exactly what you're doing when forecasting the next number in a sequence.

-Classification is for predicting categorical labels (e.g., spam or not spam). It doesn't fit the problem of predicting a numerical value.

-Clustering groups similar data points together, which is not applicable to predicting a specific number in a sequence.

upvoted 1 times

👤 **propanther** 1 year ago

Key topics to learn and consider here is supervised vs unsupervised learning to understand the difference between using labeled vs unlabeled data.

upvoted 2 times

zellck 1 year, 2 months ago

NNY is the answer.

https://learn.microsoft.com/en-us/training/modules/create-clustering-model-azure-machine-learning-designer/2-clustering-scenarios
Clustering is a form of machine learning that is used to group similar items into clusters based on their features. For example, a researcher might take measurements of penguins, and group them based on similarities in their proportions.

upvoted 2 times

zellck 1 year, 2 months ago

https://learn.microsoft.com/en-us/training/modules/create-classification-model-azure-machine-learning-designer/classification-scenarios
Classification is a form of machine learning that is used to predict which category, or class, an item belongs to. This machine learning technique can be applied to binary and multi-class scenarios. For example, a health clinic might use the characteristics of a patient (such as age, weight, blood pressure, and so on) to predict whether the patient is at risk of diabetes. In this case, the characteristics of the patient are the features, and the label is a binary classification of either 0 or 1, representing non-diabetic or diabetic.

upvoted 1 times

zellck 1 year, 2 months ago

https://learn.microsoft.com/en-us/training/modules/create-regression-model-azure-machine-learning-designer/2-regression-scenarios
Regression is a form of machine learning used to understand the relationships between variables to predict a desired outcome. Regression predicts a numeric label or outcome based on variables, or features. For example, an automobile sales company might use the characteristics of a car (such as engine size, number of seats, mileage, and so on) to predict its likely selling price. In this case, the characteristics of the car are the features, and the selling price is the label.

upvoted 2 times

rdemontis 1 year, 3 months ago

correct

upvoted 2 times

BLUE_BUBBLES 2 years ago

Answer is correct.

upvoted 3 times

Which two actions are performed during the data ingestion and data preparation stage of an Azure Machine Learning process? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

    A. Calculate the accuracy of the model.

    B. Score test data by using the model.

    C. Combine multiple datasets.

    D. Use the model for real-time predictions.

    E. Remove records that have missing values.

Suggested Answer: *CE*
Reference:
https://docs.microsoft.com/en-us/azure/machine-learning/concept-data-ingestion https://docs.microsoft.com/en-us/azure/architecture/data-science-process/prepare-data

Community vote distribution

CE (100%)

👤 **Vijayachakravarthy** `Highly Voted 👍` 1 year, 11 months ago

`Selected Answer: CE`

C & E are correct

upvoted 8 times

👤 **BobFar** `Most Recent ⊘` 1 month, 3 weeks ago

Answer is correct

ingestion ==> data transformation/manipulation

C. Combine multiple datasets.

E. Remove records that have missing values.

upvoted 1 times

👤 **rdemontis** 1 year, 3 months ago

`Selected Answer: CE`

answer is correct

upvoted 2 times

👤 **alexein74** 1 year, 4 months ago

`Selected Answer: CE`

C and E are correct

upvoted 3 times

👤 **LaurenArcudi** 1 year, 4 months ago

Select Datasets > Split the Data

upvoted 1 times

👤 **AdrienBnhm** 1 year, 5 months ago

By elimnation, A B and D cannot be correct.

Answers are C and E

upvoted 1 times

👤 **BLUE_BUBBLES** 2 years ago

`Selected Answer: CE`

Answer is correct.

upvoted 2 times

You need to predict the animal population of an area.

Which Azure Machine Learning type should you use?

    A. regression

    B. clustering

    C. classification

Suggested Answer: *A*

Regression is a supervised machine learning technique used to predict numeric values.

Reference:

https://docs.microsoft.com/en-us/learn/modules/create-regression-model-azure-machine-learning-designer/1-introduction

Community vote distribution

A (100%)

👤 **sbs_2010** `Highly Voted 👍` 1 year, 4 months ago

Correct, it was there is in 8.5.2023 exam

upvoted 7 times

👤 **BLUE_BUBBLES** `Highly Voted 👍` 2 years ago

`Selected Answer: A`

Prediction model = regression

upvoted 6 times

👤 **StephonaMendez** `Most Recent ⊙` 6 months, 1 week ago

Prediction, numeric values = Regression

upvoted 1 times

👤 **zellck** 1 year, 2 months ago

`Selected Answer: A`

A is the answer.

https://learn.microsoft.com/en-us/training/modules/create-regression-model-azure-machine-learning-designer/2-regression-scenarios
Regression is a form of machine learning used to understand the relationships between variables to predict a desired outcome. Regression predicts a numeric label or outcome based on variables, or features. For example, an automobile sales company might use the characteristics of a car (such as engine size, number of seats, mileage, and so on) to predict its likely selling price. In this case, the characteristics of the car are the features, and the selling price is the label.

upvoted 1 times

👤 **rdemontis** 1 year, 3 months ago

`Selected Answer: A`

correct, you need to predict a numeric value

upvoted 4 times

👤 **alexein74** 1 year, 4 months ago

`Selected Answer: A`

correct answer

upvoted 3 times

👤 **NCLatWorld** 1 year, 5 months ago

`Selected Answer: A`

Correct

upvoted 3 times

Which two languages can you use to write custom code for Azure Machine Learning designer? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

    A. Python

    B. R

    C. C#

    D. Scala

Suggested Answer: *AB*

Use Azure Machine Learning designer for customizing using Python and R code.

Reference:

https://azure.microsoft.com/en-us/services/machine-learning/designer/#features

Community vote distribution

AB (100%)

👤 **sbs_2010** `Highly Voted 👍` 1 year, 4 months ago

correct ans. It was there in 8.5.2023 exam

upvoted 10 times

👤 **9b213d3** `Most Recent ⊘` 6 months ago

broken link

upvoted 1 times

👤 **StephonaMendez** 6 months, 1 week ago

Python, R

upvoted 1 times

👤 **Soke** 1 year, 2 months ago

`Selected Answer: AB`

Only Python and R are actually supported

upvoted 3 times

👤 **zellck** 1 year, 2 months ago

`Selected Answer: AB`

AB is the answer.

https://azure.microsoft.com/en-us/products/machine-learning/designer/#features
Build and train machine learning models with state-of-the art machine learning and deep learning algorithms, including those for computer vision, text analytics, recommendations, and anomaly detection. Drag and drop modules for no-code models or customize using Python and R code.

upvoted 1 times

    👤 **zellck** 1 year, 2 months ago

    Gotten this in Jun 2023 exam.

    upvoted 2 times

👤 **rdemontis** 1 year, 3 months ago

`Selected Answer: AB`

correct answer.

https://www.pluralsight.com/guides/r-and-python-scripts-in-azure-ml-studio

upvoted 2 times

👤 **alexein74** 1 year, 4 months ago

`Selected Answer: AB`

Phyton and R

upvoted 3 times

pcm 1 year, 7 months ago

Question was on my exam Feb 1, 2023

upvoted 4 times

Alejandre 1 year, 11 months ago

Phyton and R: https://learn.microsoft.com/en-us/azure/architecture/data-guide/technology-choices/data-science-and-machine-learning

upvoted 3 times

---

arska 1 year, 11 months ago

Selected Answer: AB

"Build and train machine learning models with state-of-the art machine learning and deep learning algorithms, including those for computer vision, text analytics, recommendations, and anomaly detection. Drag and drop modules for no-code models or customize using Python and R code." as per the link given: https://azure.microsoft.com/en-us/products/machine-learning/designer/#features

upvoted 3 times

Matzegnan 2 years ago

R is analytical language. Response is Python and C#

upvoted 1 times

fabras 1 year ago

The second custom language supported in Azure ML Designer is R.

https://learn.microsoft.com/en-us/azure/machine-learning/component-reference/execute-r-script?view=azureml-api-2

upvoted 1 times

BLUE_BUBBLES 2 years ago

Selected Answer: AB

Both of them are correct.

upvoted 2 times

HOTSPOT -

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
For a regression model, labels must be numeric.	○	○
For a clustering model, labels must be used.	○	○
For a classification model, labels must be numeric.	○	○

Suggested Answer:

Answer Area

Statements	Yes	No
For a regression model, labels must be numeric.	○	○
For a clustering model, labels must be used.	○	○
For a classification model, labels must be numeric.	○	○

Box 1: Yes -

For regression problems, the label column must contain numeric data that represents the response variable. Ideally the numeric data represents a continuous scale.

Box 2: No -

K-Means Clustering -

Because the K-means algorithm is an unsupervised learning method, a label column is optional.

If your data includes a label, you can use the label values to guide selection of the clusters and optimize the model.

If your data has no label, the algorithm creates clusters representing possible categories, based solely on the data.

Box 3: No -

For classification problems, the label column must contain either categorical values or discrete values. Some examples might be a yes/no rating, a disease classification code or name, or an income group. If you pick a noncategorical column, the component will return an error during training.

Reference:

https://docs.microsoft.com/en-us/azure/machine-learning/component-reference/train-model https://docs.microsoft.com/en-us/azure/machine-learning/component-reference/k-means-clustering

☐ 👤 **XtraWest** `Highly Voted 👍` 1 year, 5 months ago

Y - must be numeric for regression

N - labels are not required

N - may or may not be numeric, not must

upvoted 16 times

☐ 👤 **Iphan911** `Highly Voted 👍` 2 years ago

C) For the classification, labels must be numeric. Why No? Labels must be a number, even if it's just categorical values 0,1,2. If we have classified labels like YES/ NO, we still have to convert them into numbers, it's called label encoding, right?

upvoted 6 times

● **Demonz** 1 year, 10 months ago

The answer is correct. Numeric variable is different from categorical variable. What you mentioned is categorical variable.

upvoted 7 times

● **SweetChilliPhilly** 1 year, 2 months ago

I made a simple gender predictor (binary classification) in python with scikitlearn and I had to encode both the labels and features into numeric vaules. I was unable to get it working with categorial variables. I think some training algorithms might support non numeric training data but the simple scikitlearn one I was using didn't.

upvoted 1 times

● **vhogstad** 1 year, 6 months ago

So the the answers on this question shoul be :

YES

NO

YES

?

upvoted 1 times

● **BobFar** 1 month, 3 weeks ago

Y - must be numeric for regression

N - labels are not required

N - may or may not be numeric, not must

upvoted 1 times

● **rdemontis** 1 year, 3 months ago

the sentence says: for a classification model labels MUST be numeric! It exclude non numeric labels and of course it's wrong. So the given answer is correct

upvoted 2 times

● **kd333200** `Most Recent ⊘` 10 months, 2 weeks ago

--For a regression model, labels must be numeric.

Yes. This statement is accurate. In a regression model, the labels (target variable) must be numeric because regression aims to predict a continuous numerical value.

--For a clustering model, labels must be used.

No. This statement is not accurate. Clustering is an unsupervised learning technique that doesn't require predefined labels. It groups data based on similarity without using known labels.

--For a classification model, labels must be numeric.

Yes. This statement is generally accurate. In a classification model, the labels represent different classes or categories, and they are typically assigned numeric values (e.g., 0, 1, 2) to represent the classes. However, in some cases, categorical labels may also be used, but they are often encoded into numeric values for modeling.

upvoted 2 times

● **THC1138** 2 months, 3 weeks ago

so if categorical labels may be used, then the labels in that case aren't numeric. So No. It's not asking what generally the case is.

upvoted 1 times

● **beonsoft** 1 year, 3 months ago

N,N,N

regression: features must be numeric, not labels

upvoted 1 times

● **rafcio1990** 4 months ago

Sorry, but you should expand your knowledge and then go back here.

upvoted 2 times

Your company wants to build a recycling machine for bottles. The recycling machine must automatically identify bottles of the correct shape and reject all other items.
Which type of AI workload should the company use?

    A. anomaly detection

    B. conversational AI

    C. computer vision

    D. natural language processing

Suggested Answer: *C*

Azure's Computer Vision service gives you access to advanced algorithms that process images and return information based on the visual features you're interested in. For example, Computer Vision can determine whether an image contains adult content, find specific brands or objects, or find human faces.
Reference:
https://docs.microsoft.com/en-us/azure/cognitive-services/computer-vision/overview

Community vote distribution

C (100%)

---

fatrapb1t `Highly Voted 👍` 3 years, 9 months ago

C is correct. Anomaly detection is unsupervised learning that detect "deviation" from norm. To correctly identify the "correct" plastic bottle, computer vision should be used.

upvoted 47 times

> **ZVV** 3 years, 4 months ago
>
> You have computer vision model for any bottle size you need?
> I don't think so.
>
> upvoted 1 times

> > **itelessons** 2 years, 7 months ago
> >
> > You use Computer Vision for the desired bottle shape to be captured. The rest are rejected
> >
> > upvoted 3 times

GraceCyborg `Highly Voted 👍` 3 years, 10 months ago

answer is correct

upvoted 13 times

StephonaMendez `Most Recent ⊘` 6 months, 1 week ago

Computer Vision

upvoted 1 times

zellck 1 year, 2 months ago

`Selected Answer: C`

C is the answer.

https://learn.microsoft.com/en-us/azure/cognitive-services/custom-vision-service/overview
Azure Custom Vision is an image recognition service that lets you build, deploy, and improve your own image identifier models. An image identifier applies labels to images, according to their visual characteristics. Each label represents a classification or object. Unlike the Computer Vision service, Custom Vision allows you to specify your own labels and train custom models to detect them.

upvoted 2 times

rdemontis 1 year, 3 months ago

Computer vision focuses on teaching machines to interpret and understand visual information from images or videos. In this case, the recycling machine needs to analyze the shape of items to determine whether they are bottles or not. By using computer vision techniques, such as image classification or object detection, the machine can process visual inputs and accurately identify bottles based on their shape. Anomaly detection, conversational AI, and natural language processing are not directly applicable to this scenario:

Anomaly detection is used to identify rare or unusual patterns or outliers in data, which is not the primary requirement for the recycling machine.

Conversational AI involves building conversational agents or chatbots to interact with users using natural language, which is not the main objective of the recycling machine.

Natural language processing focuses on processing and understanding human language, which is not directly relevant for identifying bottles based on their shape.
upvoted 8 times

□ 👤 **rdemontis** 1 year, 3 months ago

Selected Answer: C

Computer vision makes it possible to detect the shape and then avoid those that do not fit.
upvoted 4 times

□ 👤 **alexein74** 1 year, 4 months ago

Selected Answer: C

C is corrct
upvoted 3 times

□ 👤 **sbs_2010** 1 year, 4 months ago

Correct. It was there in 8.5.2023 exam
upvoted 3 times

□ 👤 **me_sandy** 1 year, 4 months ago

I think the words 'reject all items' is included in the question just to confuse us.
The use-case here is to identify correct shaped bottle AND then recycle them in the machine. What happens to the rest of bottles is immaterial, not part of the design of the machine.
If the use-case was 'throw out bottles which are not of specified shape', then it becomes a Anomaly detection task. Even then, to train on specific shape, Custom vision service is required.
So, of the options available, computer vision is the correct service.
upvoted 2 times

□ 👤 **ydu7312** 2 years, 4 months ago

Answer is correct
upvoted 1 times

□ 👤 **cormorant** 2 years, 5 months ago

computer vision allows for the automatic exclusion of odd-shaped bottles. anomaly detection is meant for suspicious activities
upvoted 2 times

□ 👤 **TJ001** 2 years, 8 months ago

Object detection under Computer Vision
upvoted 2 times

□ 👤 **Sudesh** 3 years, 4 months ago

C is correct
upvoted 2 times

□ 👤 **kogw344pre** 3 years, 5 months ago

computer vision is correct
upvoted 3 times

□ 👤 **ticbab** 3 years, 5 months ago

Maybe you need at least Custom vision + Anomaly. Deviations of the size is anomaly thus Anomaly detection, but you need Vision for input perhaps?
upvoted 6 times

□ 👤 **SnakePlissken** 3 years, 5 months ago

C. Computer Vision is the best answer here, but it should be Custom Vision.
The documentation of Anomaly Detection never mentions images or vision, only time-series data as input.
https://docs.microsoft.com/en-au/azure/cognitive-services/anomaly-detector/overview
Maybe, at the actual exam, the option is Custom Vision instead of Computer Vision. Can someone confirm or deny this assumption?
upvoted 4 times

□ 👤 **Jeffdu** 3 years, 6 months ago

The key here is "shape" not "sizes". Agree with the comments on custom vision, however since it is not listed among the options, the correct answer is computer vision. Granted at first glance, it is tempting to select anomaly detection and it is understandable.

Question #71

Topic 1

HOTSPOT -

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Suggested Answer:

Reference:

https://docs.microsoft.com/en-us/azure/cognitive-services/custom-vision-service/get-started-build-detector

---

👤 **shoutiv** `Highly Voted 👍` 2 years, 11 months ago

on exam 22 october, answer is 'N/Y/Y' (passed with 1000/1000)

upvoted 67 times

　　👤 **XiltroX** 2 years, 5 months ago

　　Wow congratulations. You might be the first one to do that.

　　upvoted 16 times

👤 **mnmcbl** `Highly Voted 👍` 3 years, 3 months ago

For Q1, Object Deteciton has no further types to choose from.

Classification has 2 classification types to choose - MultiClass & MultiLabel.

[Object Detection] https://docs.microsoft.com/en-us/azure/cognitive-services/custom-vision-service/get-started-build-detector

[Classification] https://docs.microsoft.com/en-us/azure/cognitive-services/custom-vision-service/getting-started-build-a-classifier

upvoted 31 times

👤 **saurabh_r** `Most Recent ⊘` 11 months ago

I got this question in my exam - thanks for the support.

upvoted 1 times

👤 **rdemontis** 1 year, 3 months ago

correct answer

upvoted 1 times

👤 **DrChats** 2 years, 3 months ago

on test 14/6/22

upvoted 3 times

👤 **ydu7312** 2 years, 4 months ago

Answer is correct

upvoted 5 times

👤 **SiDoCiOuS** 2 years, 5 months ago

Appeared on exam: 03/31/2022. Answers are correct!

upvoted 2 times

👤 **freelancersam** 2 years, 8 months ago

The answer is correct N/Y/Y. MultiClass or MultiLabel needs to chosen when project type classification, for project type object detection classification type, is not present.

upvoted 3 times

👤 **Marskmen** 2 years, 10 months ago

Answer is N/Y/Y

upvoted 4 times

👤 **theLazyGuy** 2 years, 11 months ago

Q1 should be Y: ....under Classification Types, choose either Multilabel or Multiclass...

(https://docs.microsoft.com/en-us/azure/cognitive-services/custom-vision-service/getting-started-build-a-classifier)

upvoted 1 times

BobFar 1 month, 3 weeks ago

No that one is for classification

Check the link that you shared

Select Classification under Project Types. Then, under Classification Types, choose either Multilabel or Multiclass, depending on your use case.

upvoted 1 times

AzCloudDev 3 years, 1 month ago

Answer is

T/T/T

For Q 1 see the link https://docs.microsoft.com/en-us/azure/cognitive-services/custom-vision-service/getting-started-build-a-classifier

upvoted 2 times

kane81515 3 years ago

the question project type is "object detection".

So the first answer should be NO.

upvoted 8 times

fabras 1 year ago

T/T/T

https://learn.microsoft.com/en-us/azure/ai-services/custom-vision-service/get-started-build-detector

upvoted 1 times

In which two scenarios can you use the Form Recognizer service? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. Extract the invoice number from an invoice.

- B. Translate a form from French to English.

- C. Find image of product in a catalog.

- D. Identify the retailer from a receipt.

Suggested Answer: *AD*

Reference:

https://azure.microsoft.com/en-gb/services/cognitive-services/form-recognizer/#features

Community vote distribution

AD (100%)

☐ 👤 **ipindado2020** `Highly Voted 👍` 3 years, 9 months ago

answer is ok

upvoted 15 times

☐ 👤 **StephonaMendez** `Most Recent ⊙` 6 months, 1 week ago

Invoice, Receipt = Form Recognizer

upvoted 1 times

☐ 👤 **kyle942** 7 months ago

https://learn.microsoft.com/en-us/azure/ai-services/document-intelligence/overview?view=doc-intel-4.0.0

upvoted 1 times

☐ 👤 **vini23** 12 months ago

This question appeared in Exam on 9/17/23

upvoted 1 times

☐ 👤 **rdemontis** 1 year, 3 months ago

`Selected Answer: AD`

correct

upvoted 2 times

☐ 👤 **alexein74** 1 year, 4 months ago

`Selected Answer: AD`

A D are correct

upvoted 2 times

☐ 👤 **ydu7312** 2 years, 4 months ago

Answer is correct

upvoted 1 times

☐ 👤 **baciga** 2 years, 5 months ago

`Selected Answer: AD`

A D are correct

upvoted 4 times

☐ 👤 **itelessons** 2 years, 7 months ago

`Selected Answer: AD`

correct

upvoted 3 times

☐ 👤 **TJ001** 2 years, 8 months ago

reading info from invoice, receipt or business card -> form recognizer

upvoted 4 times

☐ 👤 **Marskmen** 2 years, 10 months ago

A and D are correct

upvoted 2 times

☐ 👤 **danielbra** 2 years, 11 months ago

answer is ok

upvoted 1 times

☐ 👤 **mikech** 3 years, 3 months ago

answer is correct

upvoted 1 times

☐ 👤 **Ifexalex** 3 years, 5 months ago

A and D correct

upvoted 1 times

☐ 👤 **Bjlaxy1** 3 years, 5 months ago

I think option D should be identify, not identity.

upvoted 1 times

☐ 👤 **Jenny1** 3 years, 6 months ago

Correct

upvoted 1 times

☐ 👤 **tearcodiac** 3 years, 6 months ago

answer is correct

upvoted 1 times

HOTSPOT -

Select the answer that correctly completes the sentence.

Hot Area:

Answer Area

Counting the number of animals in an area based on a video feed is an example of [▼]

- forecasting.
- computer vision.
- conversational AI.
- anomaly detection.

Suggested Answer:

Answer Area

Counting the number of animals in an area based on a video feed is an example of [▼]

- forecasting.
- computer vision.
- conversational AI.
- anomaly detection.

Reference:

https://docs.microsoft.com/en-us/azure/cognitive-services/computer-vision/overview https://docs.microsoft.com/en-us/azure/cognitive-services/computer-vision/intro-to-spatial-analysis-public-preview

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🗕 👤 **rdemontis** `Highly Voted 👍` 1 year, 3 months ago

correct

upvoted 7 times

🗕 👤 **XtraWest** `Highly Voted 👍` 1 year, 5 months ago

Counting the number of animals based on a video feed is an example of an AI service called object detection, which is a type of computer vision technology.

upvoted 5 times

🗕 👤 **zellck** `Most Recent ⊘` 1 year, 2 months ago

Gotten this in Jun 2023 exam.

upvoted 4 times

🗕 👤 **JYKL88** 1 year, 9 months ago

Yup correct ans

upvoted 2 times

Varman7 1 year, 9 months ago

Answer is correct

upvoted 2 times

CarlosG0401 1 year, 10 months ago

aaaaaaaaaaaaa

upvoted 3 times

Varman7 1 year, 9 months ago

Answer is correct

upvoted 2 times

CarlosG0401 1 year, 10 months ago

aaaaaaaaaaaaa

upvoted 3 times

HOTSPOT -

You have a database that contains a list of employees and their photos.

You are tagging new photos of the employees.

For each of the following statements select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Suggested Answer:

Reference:

https://docs.microsoft.com/en-us/azure/cognitive-services/face/overview https://docs.microsoft.com/en-us/azure/cognitive-services/face/concepts/face-detection

---

👤 **nuyyep23** `Highly Voted 👍` 2 years, 10 months ago

There is no answer. But the correct answer should beY/Y/N

upvoted 72 times

👤 **Bob_shaman** `Highly Voted 👍` 2 years, 6 months ago

O-O-N pour moi aussi

upvoted 12 times

👤 **fabras** `Most Recent ⊙` 1 year ago

YES/YES/FALSE

upvoted 1 times

👤 **rdemontis** 1 year, 3 months ago

correct

upvoted 1 times

👤 **Varman7** 1 year, 9 months ago

answer is correct

upvoted 2 times

👤 **RajDguru** 2 years ago

Yes/Yes/No - is the correct answer

upvoted 6 times

👤 **hieu2895** 1 year, 10 months ago

If you have PDF for this exam. Please help me to send at hieu2895@gmail.com.

Thanks you very much!

upvoted 2 times

👤 **ydu7312** 2 years, 4 months ago

Answer is correct

upvoted 3 times

👤 **x_nodes** 2 years, 4 months ago

Yes/Yes/No

upvoted 8 times

👤 **HURRICANEDATA** 2 years, 5 months ago

Source: https://docs.microsoft.com/en-us/azure/cognitive-services/face/concepts/face-detection

yyn

upvoted 2 times

👤 **MPB** 2 years, 5 months ago

YYES/YES/NO

upvoted 4 times

👤 **VictorXavier** 2 years, 6 months ago

The answer is missing, but it is Yes/Yes/No

upvoted 2 times

■ 👤 **vinilords** 2 years, 6 months ago

thanks guys, i was thinking in YYN

upvoted 2 times

■ 👤 **kokita** 2 years, 6 months ago

YES/YES/NO

upvoted 1 times

■ 👤 **Acre1** 2 years, 7 months ago

Correct: Y/Y/N

upvoted 1 times

■ 👤 **icapozzi** 2 years, 7 months ago

Thanks to everybody :)

YYN

upvoted 1 times

■ 👤 **saranga_athukorala** 2 years, 7 months ago

Yes

Yes

No

upvoted 2 times

■ 👤 **abhmala1** 2 years, 7 months ago

yes yes no

upvoted 1 times

You need to develop a mobile app for employees to scan and store their expenses while travelling.
Which type of computer vision should you use?

    A. semantic segmentation

    B. image classification

    C. object detection

    D. optical character recognition (OCR)

Suggested Answer: *D*

Azure's Computer Vision API includes Optical Character Recognition (OCR) capabilities that extract printed or handwritten text from images. You can extract text from images, such as photos of license plates or containers with serial numbers, as well as from documents - invoices, bills, financial reports, articles, and more.
Reference:
https://docs.microsoft.com/en-us/azure/cognitive-services/computer-vision/concept-recognizing-text

Community vote distribution

D (100%)

👤 **danflr** `Highly Voted 👍` 3 years, 8 months ago

They should add "Form Recognizer" as option as this is perfect for receipt reading: https://azure.microsoft.com/en-us/services/cognitive-services/form-recognizer/

upvoted 29 times

   👤 **varun1306** 6 months ago

   They have written handwritten as well, so form recognizer might not be the right model.

   upvoted 1 times

   👤 **TJ001** 2 years, 8 months ago

   Form Recognizer takes precedence but OCR is good enough for this

   upvoted 10 times

👤 **PM2** `Highly Voted 👍` 3 years, 10 months ago

Correct Answer

upvoted 15 times

👤 **Cloudddddd** `Most Recent ⊙` 8 months, 1 week ago

On exam 08/01/2024

upvoted 1 times

👤 **vini23** 12 months ago

This question appeared in Exam on 9/17/23

upvoted 3 times

👤 **rdemontis** 1 year, 3 months ago

`Selected Answer: D`

correct, and it can be used by form recognizer to capture the expenses

upvoted 3 times

👤 **alexein74** 1 year, 4 months ago

`Selected Answer: D`

Answer is correct

upvoted 3 times

👤 **ydu7312** 2 years, 4 months ago

Answer is correct

upvoted 1 times

👤 **Pravda** 2 years, 6 months ago

On exam 3.3.2022

☐ 👤 **AnsariFatima** 2 years, 7 months ago

Form recognizer is correct answer, but with given set of options here the best suitable one is OCR. So, D. OCR is correct here.

☐ 👤 **Marski** 2 years, 9 months ago

Yes. There are also free android apps available to scan documents into PDF.

☐ 👤 **Marskmen** 2 years, 10 months ago

OCR is the correct answer

☐ 👤 **Kanjati** 3 years, 4 months ago

OCR does text extraction as well!

☐ 👤 **Giggles_a12** 3 years, 7 months ago

The answer is correct.

☐ 👤 **MLMK** 3 years, 9 months ago

Answer is correct

HOTSPOT -

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Suggested Answer:

Box 1: Yes -

Custom Vision functionality can be divided into two features. Image classification applies one or more labels to an image. Object detection is similar, but it also returns the coordinates in the image where the applied label(s) can be found.

Box 2: Yes -

The Custom Vision service uses a machine learning algorithm to analyze images. You, the developer, submit groups of images that feature and lack the characteristics in question. You label the images yourself at the time of submission. Then, the algorithm trains to this data and calculates its own accuracy by testing itself on those same images.

Box 3: No -

Custom Vision service can be used only on graphic files.

Reference:

https://docs.microsoft.com/en-us/azure/cognitive-services/Custom-Vision-Service/overview

---

 Marskmen `Highly Voted 👍` 2 years, 10 months ago

Y/Y/N is correct

upvoted 13 times

---

 aarestu `Highly Voted 👍` 2 years, 6 months ago

technically analyzing video is possible. but we can't use only the Custom Vision Service to achieve that. so the answer I think Y/Y/N is correct

upvoted 5 times

---

 fabras `Most Recent ⊘` 1 year ago

CORRET ANSWERS

upvoted 2 times

 GHOSTGIRL101 1 year, 1 month ago

Its YYN i call me mbalz wheknow this you see me

upvoted 2 times

---

 zellck 1 year, 2 months ago

Gotten this in Jun 2023 exam.

upvoted 3 times

---

 rdemontis 1 year, 3 months ago

correct

upvoted 3 times

---

 ydu7312 2 years, 4 months ago

Answer is correct

upvoted 3 times

---

 cormorant 2 years, 5 months ago

The custom vision service can be used to detect objects in an image

upvoted 2 times

 Phemmy86 2 years, 10 months ago

ans is correct

upvoted 3 times

 YKBABA 2 years, 11 months ago

very true

You are processing photos of runners in a race.

You need to read the numbers on the runners' shirts to identity the runners in the photos.

Which type of computer vision should you use?

A. facial recognition

B. optical character recognition (OCR)

C. image classification

D. object detection

Suggested Answer: *B*

Optical character recognition (OCR) allows you to extract printed or handwritten text from images and documents.

Reference:

https://docs.microsoft.com/en-us/azure/cognitive-services/computer-vision/overview-ocr

Community vote distribution

B (100%)

---

 zellck 1 year, 2 months ago

Gotten this in Jun 2023 exam.

upvoted 4 times

 rdemontis 1 year, 3 months ago

Selected Answer: B

correct

upvoted 3 times

 alexein74 1 year, 4 months ago

Selected Answer: B

OCR is the answer

upvoted 4 times

 AdrienBnhm 1 year, 5 months ago

B is correct (OCR)

upvoted 3 times

 mustafaalhnuty 1 year, 6 months ago

Answer is correct

upvoted 3 times

DRAG DROP -

Match the types of machine learning to the appropriate scenarios.

To answer, drag the appropriate machine learning type from the column on the left to its scenario on the right. Each machine learning type may be used once, more than once, or not at all.

NOTE: Each correct selection is worth one point.

Select and Place:

Suggested Answer:

Box 1: Image classification -

Image classification is a supervised learning problem: define a set of target classes (objects to identify in images), and train a model to recognize them using labeled example photos.

Box 2: Object detection -

Object detection is a computer vision problem. While closely related to image classification, object detection performs image classification at a more granular scale. Object detection both locates and categorizes entities within images.

Box 3: Semantic Segmentation -

Semantic segmentation achieves fine-grained inference by making dense predictions inferring labels for every pixel, so that each pixel is labeled with the class of its enclosing object ore region.

Reference:

https://developers.google.com/machine-learning/practica/image-classification https://docs.microsoft.com/en-us/dotnet/machine-learning/tutorials/object-detection-model-builder https://nanonets.com/blog/how-to-do-semantic-segmentation-using-deep-learning/

👤 **Marskmen** `Highly Voted 👍` 2 years, 10 months ago

Answers are correct

upvoted 7 times

👤 **ydu7312** `Highly Voted 👍` 2 years, 4 months ago

Answer is correct

upvoted 5 times

👤 **Sylph** `Most Recent ⊘` 1 year ago

Clear explanation of the correct answers.

https://learn.microsoft.com/en-us/training/modules/get-started-ai-fundamentals/4-understand-computer-vision

upvoted 3 times

　👤 **nct1326** 11 months, 1 week ago

　Thanks

　upvoted 1 times

👤 **rdemontis** 1 year, 3 months ago

answer is correct

upvoted 2 times

👤 **RajDguru** 2 years ago

what is the difference between detection and recognition - there is only one API definition called Detect() -

https://westus.dev.cognitive.microsoft.com/docs/services/563879b61984550e40cbbe8d/operations/563879b61984550f3039523a

upvoted 2 times

👤 **Rezaphp** 2 years, 8 months ago

image segmentation is not going to be part of the exam since apr 2021

upvoted 4 times

　👤 **vhogstad** 1 year, 6 months ago

　Why is that?

　upvoted 1 times

👤 **KNMnguni** 2 years, 10 months ago

100% correct

BrettusMaximus 2 years, 10 months ago

Correct https://nanonets.com/blog/semantic-image-segmentation-2020/

You use drones to identify where weeds grow between rows of crops to send an instruction for the removal of the weeds.

This is an example of which type of computer vision?

A. object detection

B. optical character recognition (OCR)

C. scene segmentation

Suggested Answer: *A*

Object detection is similar to tagging, but the API returns the bounding box coordinates for each tag applied. For example, if an image contains a dog, cat and person, the Detect operation will list those objects together with their coordinates in the image.

Incorrect Answers:

B: Optical character recognition (OCR) allows you to extract printed or handwritten text from images and documents.

C: Scene segmentation determines when a scene changes in video based on visual cues. A scene depicts a single event and it's composed by a series of consecutive shots, which are semantically related.

Reference:

https://docs.microsoft.com/en-us/ai-builder/object-detection-overview https://docs.microsoft.com/en-us/azure/cognitive-services/computer-vision/overview-ocr https://docs.microsoft.com/en-us/azure/azure-video-analyzer/video-analyzer-for-media-docs/video-indexer-overview

Community vote distribution

A (100%)

---

 jacobfoy `Highly Voted` 👍 2 years, 7 months ago

`Selected Answer: A`

A for sure

upvoted 6 times

 MayTorresB `Most Recent` ⊘ 6 months, 1 week ago

`Selected Answer: A`

Is Correct

upvoted 1 times

---

 rdemontis 1 year, 3 months ago

`Selected Answer: A`

correct

upvoted 2 times

---

 ydu7312 2 years, 4 months ago

Answer is correct

upvoted 3 times

---

 superalien75 2 years, 7 months ago

`Selected Answer: A`

Object detection is correct

upvoted 3 times

 Phemmy86 2 years, 10 months ago

Given answer is correct

upvoted 2 times

 Marskmen 2 years, 10 months ago

Object detection is the correct answer

upvoted 2 times

DRAG DROP -

Match the facial recognition tasks to the appropriate questions.

To answer, drag the appropriate task from the column on the left to its question on the right. Each task may be used once, more than once, or not at all.

NOTE: Each correct selection is worth one point.

Select and Place:

Tasks

| grouping |
| identification |
| similarity |
| verification |

Answer Area

Task	Do two images of a face belong to the same person?
Task	Does this person look like other people?
Task	Do all the faces belong together?
Task	Who is this person in this group of people?

Suggested Answer:

Tasks

| grouping |
| identification |
| similarity |
| verification |

Answer Area

verification	Do two images of a face belong to the same person?
similarity	Does this person look like other people?
grouping	Do all the faces belong together?
identification	Who is this person in this group of people?

Box 1: verification -
Face verification: Check the likelihood that two faces belong to the same person and receive a confidence score.

Box 2: similarity -

Box 3: Grouping -

Box 4: identification -
Face detection: Detect one or more human faces along with attributes such as: age, emotion, pose, smile, and facial hair, including 27 landmarks for each face in the image.
Reference:
https://azure.microsoft.com/en-us/services/cognitive-services/face/#features

---

⊟ 👤 **idioteque** `Highly Voted 👍` 2 years, 1 month ago

For me to remember :)

verification = same person?
similarity = look like?
grouping = belong together?
identification = who is this person?

upvoted 26 times

⊟ 👤 **gargaditya** `Highly Voted 👍` 3 years, 10 months ago

~Face verification:

The Verify API does an authentication against two detected faces or from one detected face to one person object. Practically, it evaluates whether two faces belong to the same person.

~Person identification:

The Identify API is used to identify a detected face against a database of people (facial recognition search). This feature might be useful for automatic image tagging in photo management software. You create the database in advance, and you can edit it over time.

upvoted 10 times

👤 **BobFar** `Most Recent ⊙` 1 month, 3 weeks ago

Answer is correct!

Do two images of a face belong the same person ==> Verification
Does this person look like the other people ? ==> Similarity
Do all the faces belong together ==> Grouping
Who is this person in this group of people ? ==> Identification

upvoted 1 times

👤 **adsjflkadsj** 5 months, 3 weeks ago

if you know English, you will get this correct lol

upvoted 2 times

👤 **bda92b3** 11 months ago

Correct

upvoted 1 times

👤 **Sylph** 1 year ago

Good explanation:
https://learn.microsoft.com/en-us/azure/ai-services/computer-vision/overview-identity#face-detection-and-analysis

upvoted 1 times

👤 **rdemontis** 1 year, 3 months ago

Answers are correct!

upvoted 3 times

👤 **AdrienBnhm** 1 year, 5 months ago

Answers are correct :
D
C
A
B

upvoted 1 times

👤 **ydu7312** 2 years, 4 months ago

Answer is correct

upvoted 3 times

👤 **SiDoCiOuS** 2 years, 5 months ago

Appeared on exam: 03/31/2022. Answers are correct!

upvoted 7 times

👤 **anony1111** 3 years, 1 month ago

Correct answer

upvoted 1 times

👤 **Vanshhh123** 3 years, 3 months ago

right answer

upvoted 2 times

👤 **poo12** 3 years, 3 months ago

Right Answer

upvoted 2 times

👤 **Kanjati** 3 years, 4 months ago

The answer is correct!

upvoted 4 times

👤 **SnakePlissken** 3 years, 5 months ago

Correct.
Do two images of a face belong to the same person? This defines verification.
Does this person look like other people? This defines similarity.

Do all of these faces belong together? This defines grouping.

Who is this person in this group of people? This defines identification.

https://docs.microsoft.com/en-us/learn/modules/identify-faces-with-computer-vision/4-overview-of-face-recognition

upvoted 4 times

☐ 👤 **adesal** 3 years, 6 months ago

Correct answer

upvoted 2 times

☐ 👤 **Giggles_a12** 3 years, 7 months ago

I think the answer is correct.

upvoted 2 times

DRAG DROP -

Match the types of computer vision workloads to the appropriate scenarios.

To answer, drag the appropriate workload type from the column on the left to its scenario on the right. Each workload type may be used once, more than once, or not at all.

NOTE: Each correct selection is worth one point.

Select and Place:

Suggested Answer:

Box 1: Facial recognition -

Face detection that perceives faces and attributes in an image; person identification that matches an individual in your private repository of up to 1 million people; perceived emotion recognition that detects a range of facial expressions like happiness, contempt, neutrality, and fear; and recognition and grouping of similar faces in images.

Box 2: OCR -

Box 3: Objection detection -

Object detection is similar to tagging, but the API returns the bounding box coordinates (in pixels) for each object found. For example, if an image contains a dog, cat and person, the Detect operation will list those objects together with their coordinates in the image. You can use this functionality to process the relationships between the objects in an image. It also lets you determine whether there are multiple instances of the same tag in an image.

The Detect API applies tags based on the objects or living things identified in the image. There is currently no formal relationship between the tagging taxonomy and the object detection taxonomy. At a conceptual level, the Detect API only finds objects and living things, while the Tag API can also include contextual terms like "indoor", which can't be localized with bounding boxes.

Reference:

https://azure.microsoft.com/en-us/services/cognitive-services/face/ https://docs.microsoft.com/en-us/azure/cognitive-services/computer-vision/concept-object-detection

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☐ 👤 **mudassirsmk27** `Highly Voted 👍` 2 years, 8 months ago

this question came today...Answer is correct

upvoted 9 times

☐ 👤 **ydu7312** `Highly Voted 👍` 2 years, 4 months ago

Answer is correct

upvoted 6 times

☐ 👤 **rdemontis** `Most Recent ⊘` 1 year, 3 months ago

correct answer

upvoted 3 times

☐ 👤 **heenak55** 2 years, 5 months ago

In test on 17 April 2022

upvoted 3 times

☐ 👤 **Pravda** 2 years, 6 months ago

On exam 3.3.2022

upvoted 2 times

☐ 👤 **Amstel** 3 years ago

Answer is correct

upvoted 1 times

☐ 👤 **IrinaWeiss** 3 years, 1 month ago

Was on Exam 30.07.21

upvoted 3 times

☐ 👤 **pms2005** 2 years, 12 months ago

what percentage of questions from this dump appeared in the real test?

upvoted 4 times

☐ 👤 **Chaz79** 3 years, 2 months ago

Correct Answer

upvoted 2 times

☐ 👤 **Venila** 3 years, 2 months ago

Correct

upvoted 1 times

☐ 👤 **Vanshhh123** 3 years, 3 months ago

correct answer

upvoted 1 times

☐ 👤 **Ati1362** 3 years, 3 months ago

answer is correct

upvoted 2 times

You need to determine the location of cars in an image so that you can estimate the distance between the cars.

Which type of computer vision should you use?

    A. optical character recognition (OCR)

    B. object detection

    C. image classification

    D. face detection

Suggested Answer: *B*

Object detection is similar to tagging, but the API returns the bounding box coordinates (in pixels) for each object found. For example, if an image contains a dog, cat and person, the Detect operation will list those objects together with their coordinates in the image. You can use this functionality to process the relationships between the objects in an image. It also lets you determine whether there are multiple instances of the same tag in an image.

The Detect API applies tags based on the objects or living things identified in the image. There is currently no formal relationship between the tagging taxonomy and the object detection taxonomy. At a conceptual level, the Detect API only finds objects and living things, while the Tag API can also include contextual terms like "indoor", which can't be localized with bounding boxes.

Reference:

https://docs.microsoft.com/en-us/azure/cognitive-services/computer-vision/concept-object-detection

Community vote distribution

B (100%)

👤 **Chemist** `Highly Voted 👍` 2 years, 4 months ago

`Selected Answer: B`

correct

upvoted 5 times

👤 **rdemontis** `Most Recent ⊘` 1 year, 3 months ago

`Selected Answer: B`

correct

upvoted 2 times

👤 **alexein74** 1 year, 4 months ago

`Selected Answer: B`

B is correct

upvoted 3 times

👤 **ydu7312** 2 years, 4 months ago

Answer is correct

upvoted 4 times

👤 **baciga** 2 years, 5 months ago

`Selected Answer: B`

B is correct

upvoted 3 times

👤 **tizona** 2 years, 5 months ago

`Selected Answer: B`

right answer

upvoted 3 times

👤 **VictorXavier** 2 years, 6 months ago

`Selected Answer: B`

B is correct

upvoted 4 times

👤 **nharaz** 2 years, 10 months ago

B is correct

upvoted 1 times

⊟ 👤 **kashi1983** 3 years, 1 month ago

answer is B

upvoted 2 times

⊟ 👤 **Omas** 3 years, 3 months ago

B is the correct answer

upvoted 1 times

⊟ 👤 **hibana2077** 3 years, 5 months ago

ans is correct

upvoted 4 times

⊟ 👤 **tearcodiac** 3 years, 6 months ago

correct answer

upvoted 2 times

⊟ 👤 **ipindado2020** 3 years, 9 months ago

ans is correct

upvoted 4 times

HOTSPOT -

To complete the sentence, select the appropriate option in the answer area.

Hot Area:

Answer Area

You can use the [▼] service to train an object detection model by using your own images.

| Computer Vision |
| Custom Vision |
| Form Recognizer |
| Video Indexer |

Answer Area

Suggested Answer:

You can use the [▼] service to train an object detection model by using your own images.

| Computer Vision |
| Custom Vision |
| Form Recognizer |
| Video Indexer |

Azure Custom Vision is a cognitive service that lets you build, deploy, and improve your own image classifiers. An image classifier is an AI service that applies labels (which represent classes) to images, according to their visual characteristics. Unlike the Computer Vision service, Custom Vision allows you to specify the labels to apply.

Note: The Custom Vision service uses a machine learning algorithm to apply labels to images. You, the developer, must submit groups of images that feature and lack the characteristics in question. You label the images yourself at the time of submission. Then the algorithm trains to this data and calculates its own accuracy by testing itself on those same images. Once the algorithm is trained, you can test, retrain, and eventually use it to classify new images according to the needs of your app. You can also export the model itself for offline use.

Incorrect Answers:

Computer Vision:

Azure's Computer Vision service provides developers with access to advanced algorithms that process images and return information based on the visual features you're interested in. For example, Computer Vision can determine whether an image contains adult content, find specific brands or objects, or find human faces.

Reference:

https://docs.microsoft.com/en-us/azure/cognitive-services/custom-vision-service/home

---

👤 **Katiel** `Highly Voted 👍` 3 years, 10 months ago

Custom vision is correct

https://docs.microsoft.com/en-gb/learn/modules/detect-objects-images-custom-vision/2-object-detection-azure

upvoted 26 times

👤 **ExamTopics007** `Highly Voted 👍` 3 years, 9 months ago

Custom Vision is correct since we are using our own images.

upvoted 12 times

👤 **rdemontis** `Most Recent ⊘` 1 year, 3 months ago

answer is correct

upvoted 2 times

👤 **DrChats** 2 years, 3 months ago

on test 14/6/22

upvoted 3 times

👤 **ydu7312** 2 years, 4 months ago

Answer is correct

upvoted 1 times

👤 **x_nodes** 2 years, 4 months ago

Custom Vision, answer is correct

upvoted 1 times

☐ 👤 **Chaz79** 3 years, 2 months ago

Custom Vision

upvoted 1 times

☐ 👤 **fdelasie** 3 years, 2 months ago

If you need work with your own images, is Custom Vision. The answer is correct.

upvoted 1 times

☐ 👤 **leecirca05** 3 years, 4 months ago

correct

upvoted 1 times

☐ 👤 **Happiness20** 3 years, 5 months ago

The answer is Custom Vision

upvoted 1 times

☐ 👤 **CollinsMarcus** 3 years, 6 months ago

The answer is definitely Custom Vision.

upvoted 1 times

☐ 👤 **Giggles_a12** 3 years, 7 months ago

Answewer is correct.

upvoted 1 times

☐ 👤 **vhx** 3 years, 10 months ago

I guess computer vision should be the answer

upvoted 3 times

☐ 👤 **gargaditya** 3 years, 10 months ago

Custom vision is correct.
The Computer Vision cognitive service provides a pre-trained computer vision model that you can use to analyze images.

The Custom Vision cognitive services enables you to train a custom model for either image classification or object detection.

upvoted 21 times

You send an image to a Computer Vision API and receive back the annotated image shown in the exhibit.
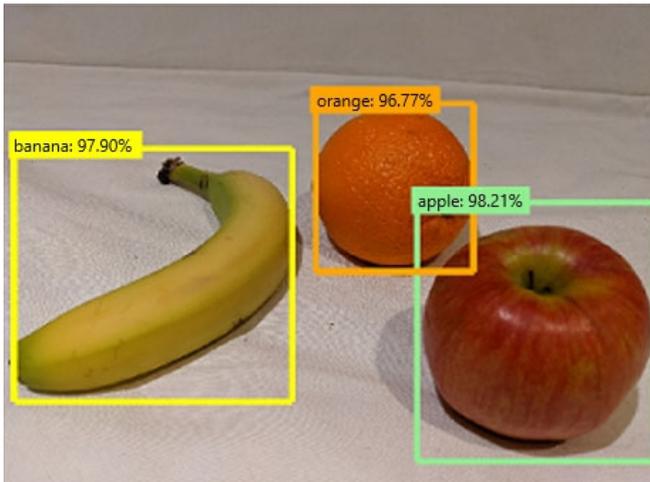
Which type of computer vision was used?

A. object detection

B. face detection

C. optical character recognition (OCR)

D. image classification

Suggested Answer: *A*

Object detection is similar to tagging, but the API returns the bounding box coordinates (in pixels) for each object found. For example, if an image contains a dog, cat and person, the Detect operation will list those objects together with their coordinates in the image. You can use this functionality to process the relationships between the objects in an image. It also lets you determine whether there are multiple instances of the same tag in an image.

The Detect API applies tags based on the objects or living things identified in the image. There is currently no formal relationship between the tagging taxonomy and the object detection taxonomy. At a conceptual level, the Detect API only finds objects and living things, while the Tag API can also include contextual terms like "indoor", which can't be localized with bounding boxes.

Reference:

https://docs.microsoft.com/en-us/azure/cognitive-services/computer-vision/concept-object-detection

Community vote distribution

A (100%)

---

 varun1306 5 months, 4 weeks ago

Object detection vs. image classification

Image classification is a machine learning based form of computer vision in which a model is trained to categorize images based on the primary subject matter they contain. Object detection goes further than this to classify individual objects within the image, and to return the coordinates of a bounding box that indicates the object's location.

Notice that an object detection model returns the following information:

• The class of each object identified in the image.

• The probability score of the object classification (which you can interpret as the confidence of the predicted class being correct)

• The coordinates of a bounding box for each object.

upvoted 2 times

 rdemontis 1 year, 3 months ago

Selected Answer: A

correct. to detect objects in a image you need to use Object Detection

upvoted 4 times

 alexein74 1 year, 4 months ago

Selected Answer: A

Object Detection

upvoted 4 times

👤 **Anais** 1 year, 6 months ago

This is indeed object detection, as image classification focuses on identifying a dominant object in an image and assigning it to a category, while object detection focuses on identifying and localizing multiple objects within an image.

upvoted 4 times

☐ 👤 **Presto_Xavier** 1 year, 7 months ago

Isn't it classifying images than just identifying them?

upvoted 1 times

☐ 👤 **Ous01** 1 year, 9 months ago

Object Detection

upvoted 2 times

☐ 👤 **Draus** 1 year, 9 months ago

Based on the image, it should be A: object detection

https://learn.microsoft.com/en-us/training/modules/detect-objects-images-custom-vision/1a-what-is-object-detection

upvoted 3 times

☐ 👤 **abudubai** 1 year, 12 months ago

Should be image classification

upvoted 2 times

What are two tasks that can be performed by using the Computer Vision service? Each correct answer presents a complete solution.
NOTE: Each correct selection is worth one point.

A. Train a custom image classification model.

B. Detect faces in an image.

C. Recognize handwritten text.

D. Translate the text in an image between languages.

Suggested Answer: *BC*

B: Azure's Computer Vision service provides developers with access to advanced algorithms that process images and return information based on the visual features you're interested in. For example, Computer Vision can determine whether an image contains adult content, find specific brands or objects, or find human faces.
C: Computer Vision includes Optical Character Recognition (OCR) capabilities. You can use the new Read API to extract printed and handwritten text from images and documents.
Reference:
https://docs.microsoft.com/en-us/azure/cognitive-services/computer-vision/home

Community vote distribution

BC (100%)

👤 **Mahesh_mm** `Highly Voted 👍` 3 years, 11 months ago

BC is correct

upvoted 43 times

👤 **gargaditya** `Highly Voted 👍` 3 years, 10 months ago

BC correct as given.

Microsoft Azure provides multiple cognitive services that you can use to detect and analyze faces, including:

**Computer Vision, which offers face detection and some basic face analysis, such as determining age.
**Video Indexer, which you can use to detect and identify faces in a video.
**Face, which offers pre-built algorithms that can detect, recognize, and analyze faces.

Of these, Face offers the widest range of facial analysis capabilities, so we'll focus on that service in this module.

The ability to extract text from images is handled by the Computer Vision service, which also provides image analysis capabilities.
The Computer Vision service provides two application programming interfaces (APIs) that you can use to read text in images: the OCR API and the Read API.

upvoted 22 times

👤 **dpeshverma** `Most Recent ⊘` 1 year ago

`Selected Answer: BC`

BC is correct answer

upvoted 1 times

👤 **rdemontis** 1 year, 3 months ago

`Selected Answer: BC`

correct

upvoted 1 times

👤 **alexein74** 1 year, 4 months ago

`Selected Answer: BC`

BC are correct

upvoted 1 times

👤 **ydu7312** 2 years, 4 months ago

Answer is correct

upvoted 1 times

☐ 👤 **x_nodes** 2 years, 4 months ago

BC correct in the answer

upvoted 1 times

☐ 👤 **aman7172** 2 years, 4 months ago

BC correct

upvoted 1 times

☐ 👤 **heenak55** 2 years, 5 months ago

In test on 17 April 2022

upvoted 3 times

☐ 👤 **VictorXavier** 2 years, 6 months ago

Selected Answer: BC

BC are correct

To be able to submit custom images you need Custom Vision instead of Computer Vision, so its not A

Computer Vision Service doesn't allow to translate text, but it allows to identify text, that's why C is correct and not D

upvoted 8 times

☐ 👤 **Sameera93** 1 year ago

I was confused with the answer until I saw this. Thank you.

upvoted 1 times

☐ 👤 **Pravda** 2 years, 6 months ago

On exam 3.3.2022

upvoted 2 times

☐ 👤 **G_unit_19** 2 years, 6 months ago

Selected Answer: BC

B & C are correct

upvoted 2 times

☐ 👤 **abhmala1** 2 years, 7 months ago

object detection,face detection and ocr are under vision services

upvoted 2 times

☐ 👤 **rcse2006** 2 years, 8 months ago

BC is Correct

upvoted 1 times

☐ 👤 **Yankam** 2 years, 8 months ago

BC are correct, by me

upvoted 1 times

☐ 👤 **Kelvin540** 2 years, 10 months ago

How to get next other question, Please help

upvoted 2 times

☐ 👤 **MahimaSuresh** 2 years, 8 months ago

yes me too want that

upvoted 2 times

☐ 👤 **O_Anjum** 3 years, 3 months ago

A. Custom vision

B. Face Analysis

C. OCR/Read API

D. NLP

First, three fall into Vision, but B and C specifically fall into Computer Vision. So, correct answer.

upvoted 7 times

What is a use case for classification?

    A. predicting how many cups of coffee a person will drink based on how many hours the person slept the previous night.

    B. analyzing the contents of images and grouping images that have similar colors

    C. predicting whether someone uses a bicycle to travel to work based on the distance from home to work

    D. predicting how many minutes it will take someone to run a race based on past race times

Suggested Answer: *C*

Two-class classification provides the answer to simple two-choice questions such as Yes/No or True/False.
Incorrect Answers:
A: This is Regression.
B: This is Clustering.
D: This is Regression.
Reference:
https://docs.microsoft.com/en-us/azure/machine-learning/algorithm-module-reference/linear-regression https://docs.microsoft.com/en-us/azure/machine-learning/studio-module-reference/machine-learning-initialize-model-clustering

Community vote distribution

C (100%)

☐ 👤 **ashayk** `Highly Voted 👍` 3 years, 11 months ago

this sis wrong again. Grouping of objects with similar colors is clustering and not classification. Classification is point 3 where we will predict whether the person will go to office by cycle (answer - yes or no - hence clasification) depending on the distance

upvoted 69 times

☐ 👤 **gargaditya** `Highly Voted 👍` 3 years, 10 months ago

Incorrect answer, correct answer is C.

A refers to regression.
B refers to Clustering
C refers to Classification
D refers to Regression

upvoted 53 times

☐ 👤 **rdemontis** `Most Recent ⊘` 1 year, 3 months ago

`Selected Answer: C`

correct answer and explanation

upvoted 3 times

☐ 👤 **alexein74** 1 year, 4 months ago

`Selected Answer: C`

C is correct

upvoted 3 times

☐ 👤 **Omergamliel** 1 year, 5 months ago

classification > yes / no

upvoted 2 times

☐ 👤 **sisiDev** 1 year, 6 months ago

`Selected Answer: C`

RESPOSTA C

upvoted 1 times

☐ 👤 **techgate** 2 years, 1 month ago

C correct

upvoted 2 times

☐ 👤 **baciga** 2 years, 5 months ago

C is correct

upvoted 1 times

👤 **TJ001** 2 years, 8 months ago

hint to discard wrong answers -> all "how many" maps to scalar and hence regression

upvoted 1 times

👤 **WindowAFX** 2 years, 9 months ago

C is correct and now highlighted so. Going by comments wasn't before

upvoted 2 times

👤 **KNMnguni** 2 years, 10 months ago

The easiest way I have found, to differentiate between the cases is:

Regression: "How" (Predicting "How many", "How much") quantifying a numerical output.

Classification: "Either or" (Predicting which class something falls under) labels available.

Clustering: "Groups/Grouping" (Grouping according to features) labels unavailable.

upvoted 3 times

👤 **ABDESSATTAR** 2 years, 11 months ago

BECAUSE the grouping of image is base in their colour (in advance known parameter) it's a classification , Cluster is base in unknow parameter or feauture

upvoted 1 times

👤 **Ati1362** 3 years, 3 months ago

C is correct, Classification.

upvoted 2 times

👤 **Ati1362** 3 years, 3 months ago

regression, clustering, classification, regression.

upvoted 1 times

👤 **[Removed]** 3 years, 3 months ago

B is Clustering, C is the right answer

upvoted 1 times

👤 **Omas** 3 years, 3 months ago

All the answers except option B seems to be examples of classification.

upvoted 1 times

> 👤 **AjeeshMohamed** 3 years, 1 month ago
>
> No, A & D are examples of Regression
>
> upvoted 1 times

👤 **sabderushikesh** 3 years, 4 months ago

answer should be C

upvoted 3 times

What are two tasks that can be performed by using computer vision? Each correct answer presents a complete solution.
NOTE: Each correct selection is worth one point.

A. Predict stock prices.

B. Detect brands in an image.

C. Detect the color scheme in an image

D. Translate text between languages.

E. Extract key phrases.

Suggested Answer: *BC*

B: Identify commercial brands in images or videos from a database of thousands of global logos. You can use this feature, for example, to discover which brands are most popular on social media or most prevalent in media product placement.
C: Analyze color usage within an image. Computer Vision can determine whether an image is black & white or color and, for color images, identify the dominant and accent colors.
Reference:
https://docs.microsoft.com/en-us/azure/cognitive-services/computer-vision/overview

Community vote distribution

BC (100%)

👤 **Vijaya** `Highly Voted 👍` 3 years, 11 months ago

B&C are correct answers

upvoted 76 times

👤 **wreck** `Highly Voted 👍` 3 years, 11 months ago

Detech Color scheme and Brand images are correct based on

Detect the color scheme
Analyze color usage within an image. Computer Vision can determine whether an image is black & white or color and, for color images, identify the dominant and accent colors. Detect the color scheme

and

Azure's Computer Vision service gives you access to advanced algorithms that process images and return information based on the visual features you're interested in. For example, Computer Vision can determine whether an image contains adult content, find specific brands or objects, or find human faces.

upvoted 24 times

👤 **rdemontis** `Most Recent ⊙` 1 year, 3 months ago

`Selected Answer: BC`

correct answers

upvoted 3 times

👤 **alexein74** 1 year, 4 months ago

`Selected Answer: BC`

B and C are correct answers

upvoted 3 times

👤 **Pravda** 2 years, 6 months ago

On exam 3.3.2022

upvoted 1 times

👤 **sparkchu** 2 years, 7 months ago

A looks pretty cool.

upvoted 1 times

👤 **IrinaWeiss** 3 years, 1 month ago

Was on Exam 30.07.21

upvoted 4 times

☐ 👤 **biru76** 3 years, 1 month ago

B&C are correct answers

upvoted 1 times

☐ 👤 **Chaz79** 3 years, 2 months ago

B&C are correct

upvoted 1 times

☐ 👤 **Ati1362** 3 years, 3 months ago

B&C are correct.

upvoted 1 times

☐ 👤 **[Removed]** 3 years, 3 months ago

Extracting key phrases, is not a computer vision, it is a part of NLP. B and C are the right answers

upvoted 7 times

☐ 👤 **Omas** 3 years, 3 months ago

BC are the correct options

upvoted 1 times

☐ 👤 **Ajao** 3 years, 3 months ago

The correct answer is B&C. E is for text analytics. Note the difference between "extract printed & handwritten text" and "extract key phrases"

upvoted 1 times

☐ 👤 **GodfreyMbizo** 3 years, 4 months ago

B & C are correct,E was only going to be an answer if the key phrases were extracted from an image,in that case it then fall under computer vision but its generically stated like that then its part of NLP not computer vision

upvoted 1 times

☐ 👤 **Kanjati** 3 years, 4 months ago

BC are correct!

upvoted 3 times

☐ 👤 **Ihueghian** 3 years, 4 months ago

A. Predict stock prices. (ML Regression)

B. Detect brands in an image. (Computer Vision)

C. Detect the color scheme in an image (Computer Vision)

D. Translate text between languages. (PNL, Translator Text)

E. Extract key phrases. (AI Workload Computer Vision, as Azure service is Form Recognizer)

upvoted 10 times

☐ 👤 **Ihueghian** 3 years, 4 months ago

Answer is B&C, it's refering to task

upvoted 2 times

☐ 👤 **rachhek** 3 years, 4 months ago

I think this website marks the wrong answer on purpose to encourage discussions XD

upvoted 6 times

You need to build an image tagging solution for social media that tags images of your friends automatically.

Which Azure Cognitive Services service should you use?

    A. Face

    B. Form Recognizer

    C. Text Analytics

    D. Computer Vision

Suggested Answer: *A*

Reference:

https://docs.microsoft.com/en-us/azure/cognitive-services/face/overview https://docs.microsoft.com/en-us/azure/cognitive-services/face/face-api-how-to-topics/howtodetectfacesinimage

Community vote distribution

A (57%) | D (43%)

☐ 👤 **TJ001** `Highly Voted 👍` 2 years, 8 months ago

More aligned towards face

upvoted 17 times

☐ 👤 **VLuckyy** `Highly Voted 👍` 2 years, 8 months ago

`Selected Answer: D`

Key word is "image tagging".

Source: https://learn.fotoware.com/On-Premises/Color_Factory/Color_Factory_Reference_Guide/Managing_Metadata/Automatic_tagging_using_Azure_Computer_Vision_image_recognition

upvoted 11 times

☐ 👤 **BobFar** `Most Recent ☉` 1 month, 3 weeks ago

Face is the correct answer , computer vision is pre-built model

In order to detect your friends face you should

Face Detection and Recognition: It can accurately detect faces within an image and recognize individuals.

Person Identification: If you have a database of your friends' faces, the service can identify them in new photos.

Customization: You can train the service to recognize specific individuals, improving accuracy over time.

Integration: It can be integrated into various applications and platforms.

upvoted 1 times

☐ 👤 **sorgiulio** 3 months ago

`Selected Answer: D`

The key is "image tagging" not "face". From copilot:

For automating image tagging in social media, specifically targeting images of your friends, the ideal Azure Cognitive Services solution would be Computer Vision. This service can extract a wide variety of visual features from images, including content tags for recognizable objects, living beings, scenery, and actions. It's not limited to just the main subject (such as a person in the foreground) but also includes settings (indoor or outdoor), furniture, tools, plants, animals, accessories, and more.

upvoted 1 times

☐ 👤 **Jay23AmMonsIV** 3 months, 3 weeks ago

`Selected Answer: D`

Image Tagging = Computer Vision

upvoted 1 times

☐ 👤 **seaun** 6 months, 2 weeks ago

`Selected Answer: A`

Answer A

upvoted 1 times

☐ 👤 **kyle942** 7 months ago

`Selected Answer: A`

Face The Face service provides AI algorithms that detect, recognize, and analyze human faces in images. Facial recognition software is important in many different scenarios, such as identification, touchless access control, and face blurring for privacy. Follow the Face quickstart to get started.

upvoted 3 times

☐ 👤 **Asaini125** 7 months, 2 weeks ago

FACE is more specific service for the task.

upvoted 1 times

☐ 👤 **Clouddddd** 8 months, 1 week ago

On exam 08/01/2024

upvoted 1 times

☐ 👤 **Firat1** 9 months, 3 weeks ago

Selected Answer: A

A is answer

upvoted 2 times

☐ 👤 **kd333200** 10 months, 2 weeks ago

Selected Answer: A

For building an image tagging solution for social media that tags images of your friends automatically, you should use the Azure Cognitive Services service: Face. The Face service is specifically designed for facial recognition and can help you identify and tag images based on the faces it detects, making it suitable for recognizing and tagging your friends in images.

So, the correct choice is:

A. Face

upvoted 5 times

☐ 👤 **Jayme18** 11 months, 4 weeks ago

Selected Answer: A

Computer vision only does basic face detection, the face service can identify specific individuals based on training data.

upvoted 1 times

☐ 👤 **Wengatz** 12 months ago

Selected Answer: A

Face is more specialized for this job.

upvoted 2 times

☐ 👤 **vini23** 12 months ago

This question appeared in Exam on 9/17/23

upvoted 5 times

☐ 👤 **Sameera93** 1 year ago

Selected Answer: A

Azure Cognitive Services' Face service is designed specifically for face detection and recognition tasks. It can be used to detect faces in images and identify specific individuals if they are part of your known friends' group. This service is suitable for tagging images based on facial recognition, which is a common use case in social media applications for identifying and tagging friends in photos.

So, the correct choice is A. Face.

upvoted 2 times

☐ 👤 **Josete1106** 1 year ago

Selected Answer: A

A is correct.
The Azure Cognitive Services Face service provides facial recognition and analysis capabilities. It can detect and recognize faces in images, identify specific individuals, and analyze facial attributes such as age, gender, emotions, and more.

upvoted 1 times

☐ 👤 **Sylph** 1 year ago

Microsoft Azure provides multiple cognitive services that you can use to detect and analyze faces, including:

Computer Vision, which offers face detection and some basic face analysis, such as returning the bounding box coordinates around an image.
Video Indexer, which you can use to detect and identify faces in a video.

Face, which offers pre-built algorithms that can detect, recognize, and analyze faces.

https://learn.microsoft.com/en-us/training/modules/detect-analyze-faces/2-face-analysis-azure
  upvoted 2 times

In which two scenarios can you use the Form Recognizer service? Each correct answer presents a complete solution.
NOTE: Each correct selection is worth one point.

    A. Identify the retailer from a receipt

    B. Translate from French to English

    C. Extract the invoice number from an invoice

    D. Find images of products in a catalog

Suggested Answer: *AC*
Reference:
https://docs.microsoft.com/en-us/azure/applied-ai-services/form-recognizer/overview?tabs=v2-1

Community vote distribution

AC (100%)

  BobFar 1 month, 3 weeks ago

Answer is A and C

receipt & invoice => Form Recognizer

upvoted 1 times

  vini23 12 months ago

This question appeared in Exam on 9/17/23

upvoted 2 times

  rdemontis 1 year, 3 months ago

Selected Answer: AC

provided answer is correct

upvoted 3 times

  alexein74 1 year, 4 months ago

Selected Answer: AC

A and C are correct answers

upvoted 3 times

  vhogstad 1 year, 6 months ago

Invoice and Receipt is allways Form R..

upvoted 2 times

  Glubbs 1 year, 9 months ago

Correct, same Q72

upvoted 1 times

  [Removed] 2 years ago

correct

upvoted 1 times

  baciga 2 years, 5 months ago

Selected Answer: AC

A C are correct

upvoted 2 times

  Phemmy86 2 years, 10 months ago

GIVEN ANS IS CORRECT

upvoted 1 times

  kaonashi_sama 2 years, 10 months ago

A&C are correct!

upvoted 1 times

DRAG DROP -

Match the facial recognition tasks to the appropriate questions.

To answer, drag the appropriate task from the column on the left to its question on the right. Each task may be used once, more than once, or not at all.

NOTE: Each correct selection is worth one point.

Select and Place:

Suggested Answer:

Box 1: verification -

Identity verification -

Modern enterprises and apps can use the Face identification and Face verification operations to verify that a user is who they claim to be.

Box 2: similarity -

The Find Similar operation does face matching between a target face and a set of candidate faces, finding a smaller set of faces that look similar to the target face.

This is useful for doing a face search by image.

The service supports two working modes, matchPerson and matchFace. The matchPerson mode returns similar faces after filtering for the same person by using the Verify API. The matchFace mode ignores the same-person filter. It returns a list of similar candidate faces that may or may not belong to the same person.

Box 3: identification -

Face identification can address "one-to-many" matching of one face in an image to a set of faces in a secure repository. Match candidates are returned based on how closely their face data matches the query face. This scenario is used in granting building or airport access to a certain group of people or verifying the user of a device.

Reference:

https://docs.microsoft.com/en-us/azure/cognitive-services/face/overview

---

👤 **AdrienBnhm** [Highly Voted 👍] 1 year, 5 months ago

Duiplicate of Question #80

Given and answers are correct.

upvoted 5 times

👤 **rdemontis** [Most Recent ⊘] 1 year, 3 months ago

correct and duplicated

upvoted 3 times

👤 **mustafaalhnuty** 1 year, 6 months ago

Answer is correct

upvoted 4 times

Which Computer Vision feature can you use to generate automatic captions for digital photographs?

A. Recognize text.

B. Identify the areas of interest.

C. Detect objects.

D. Describe the images.

Suggested Answer: *D*
Describe images with human-readable language
Computer Vision can analyze an image and generate a human-readable phrase that describes its contents. The algorithm returns several descriptions based on different visual features, and each description is given a confidence score. The final output is a list of descriptions ordered from highest to lowest confidence.
The image description feature is part of the Analyze Image API.
Reference:
https://docs.microsoft.com/en-us/azure/cognitive-services/computer-vision/concept-describing-images

Community vote distribution

D (100%)

👤 **Jayme18** 11 months, 4 weeks ago

Selected Answer: D

generate automatic captions - D

  upvoted 1 times

👤 **rdemontis** 1 year, 3 months ago

Selected Answer: D

correct. https://westcentralus.dev.cognitive.microsoft.com/docs/services/computer-vision-v3-1-ga/operations/56f91f2e778daf14a499f21f

  upvoted 3 times

👤 **alexein74** 1 year, 4 months ago

Selected Answer: D

D is correct

  upvoted 3 times

👤 **mustafaalhnuty** 1 year, 6 months ago

correct answer

  upvoted 3 times

Which service should you use to extract text, key/value pairs, and table data automatically from scanned documents?

A. Custom Vision

B. Face

C. Form Recognizer

D. Language

Suggested Answer: *C*

Form Recognizer applies advanced machine learning to accurately extract text, key-value pairs, tables, and structures from documents.
Reference:
https://azure.microsoft.com/en-us/services/form-recognizer/

Community vote distribution

C (89%) | 11%

👤 **victorlie** `Highly Voted 👍` 10 months ago

Remember Form Recognizer is now Azure AI Document Intelligence

upvoted 7 times

👤 **Jayme18** `Most Recent ⊘` 11 months, 4 weeks ago

`Selected Answer: C`

Correct, it is C

upvoted 2 times

👤 **Jayme18** 11 months, 4 weeks ago

`Selected Answer: D`

Correct, it is D

upvoted 1 times

👤 **Jayme18** 11 months, 4 weeks ago

my mistake, its C

upvoted 2 times

👤 **rdemontis** 1 year, 3 months ago

`Selected Answer: C`

correct

upvoted 3 times

👤 **alexein74** 1 year, 4 months ago

`Selected Answer: C`

C is correct

upvoted 3 times

👤 **mustafaalhnuty** 1 year, 6 months ago

correct answer

upvoted 2 times

HOTSPOT -

Select the answer that correctly completes the sentence.

Hot Area:

Answer Area

Object detection
Facial recognition
Image classification
Optical character recognition (OCR)

extracts text from handwritten documents.

Suggested Answer:

Answer Area

Object detection
Facial recognition
Image classification
Optical character recognition (OCR)

extracts text from handwritten documents.

Handwriting OCR (optical character recognition) is the process of automatically extracting handwritten information from paper, scans and other low-quality digital documents.

Reference:

https://vidado.ai/handwriting-ocr

⊟ 👤 **StephonaMendez** 6 months, 1 week ago

OCR - Correct Ans

upvoted 1 times

⊟ 👤 **Clouddddd** 8 months, 1 week ago

On exam 08/01/2024

upvoted 1 times

⊟ 👤 **Jayme18** 11 months, 4 weeks ago

OCR is the right one

upvoted 1 times

⊟ 👤 **rdemontis** 1 year, 3 months ago

correct

upvoted 2 times

⊟ 👤 **alexein74** 1 year, 4 months ago

OCR is correct

upvoted 4 times

⊟ 👤 **ShivP6838t6n** 1 year, 4 months ago

Correct

upvoted 3 times

You are developing a solution that uses the Text Analytics service.

You need to identify the main talking points in a collection of documents.

Which type of natural language processing should you use?

    A. entity recognition

    B. key phrase extraction

    C. sentiment analysis

    D. language detection

Suggested Answer: *B*

Broad entity extraction: Identify important concepts in text, including key

Key phrase extraction/ Broad entity extraction: Identify important concepts in text, including key phrases and named entities such as people, places, and organizations.

Reference:

https://docs.microsoft.com/en-us/azure/architecture/data-guide/technology-choices/natural-language-processing

Community vote distribution

B (100%)

 👤 **Jeffdu** `Highly Voted 👍` 3 years, 6 months ago

The answer given is correct, the key to understanding key phrase extraction is looking for "key" (for lack of a better word) words like "main", "important", "summary", even "broad" etc..as per previous questions.

upvoted 16 times

 👤 **Ajao** `Highly Voted 👍` 3 years, 5 months ago

The answer is key phrase extraction. The emphasis should be "main talking points"

upvoted 11 times

 👤 **zellck** `Most Recent ⊘` 1 year, 2 months ago

Gotten this in Jun 2023 exam.

upvoted 1 times

 👤 **rdemontis** 1 year, 3 months ago

`Selected Answer: B`

correct answer

upvoted 2 times

 👤 **alexein74** 1 year, 4 months ago

`Selected Answer: B`

B - key phrase extraction

upvoted 3 times

 👤 **Pravda** 2 years, 6 months ago

On exam 3.3.2022

upvoted 2 times

 👤 **sidbarker** 3 years, 5 months ago

It's correct:

B. key phrase extraction

upvoted 3 times

 👤 **[Removed]** 3 years, 6 months ago

B (KP) is right

upvoted 1 times

 👤 **ExamTopics007** 3 years, 9 months ago

The answer is correct.

Use key phrase extraction to quickly identify the main concepts in text. For example, in the text "The food was delicious and there were wonderful

staff", Key Phrase Extraction will return the main talking points: "food" and "wonderful staff".

https://docs.microsoft.com/en-us/azure/cognitive-services/text-analytics/overview

👤 **ipindado2020** 3 years, 9 months ago
ans is correct

In which two scenarios can you use speech recognition? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

A. an in-car system that reads text messages aloud

B. providing closed captions for recorded or live videos

C. creating an automated public address system for a train station

D. creating a transcript of a telephone call or meeting

Suggested Answer: *BD*

Reference:

https://azure.microsoft.com/en-gb/services/cognitive-services/speech-to-text/#features

Community vote distribution

BD (100%)

👤 **vietit** Highly Voted 👍 3 years, 4 months ago

I think this question should be put more clear that it is Speech to Text recognition.

upvoted 19 times

> 👤 **nerv** 3 years, 4 months ago
>
> Speech recognition cannot be anything else in Azure AI but Speech to text recognition. So , this "to text" is in fact unnecessary.
>
> upvoted 7 times
>
> > 👤 **Learner404** 11 months ago
> >
> > Still it would make the question easier which would be nice
> >
> > upvoted 1 times

👤 **cgalartxa** Highly Voted 👍 1 year, 5 months ago

This question came in the April 2023 exam.

upvoted 11 times

👤 **Certification_Champs** Most Recent ⊘ 11 months ago

A. an in-car system that reads text messages aloud

D. creating a transcript of a telephone call or meeting

You can use speech recognition in the scenarios mentioned in options A and D.

A. In-car systems that read text messages aloud often rely on speech recognition to convert spoken words from text messages into audible speech.

D. Creating a transcript of a telephone call or meeting involves converting spoken language into written text, which is a common application of speech recognition technology.

upvoted 3 times

👤 **rdemontis** 1 year, 3 months ago

Selected Answer: BD

answer is correct. we need to build text on a speech basis

upvoted 3 times

👤 **alexein74** 1 year, 4 months ago

Selected Answer: BD

B and D are correct answers

upvoted 3 times

👤 **TJ001** 2 years, 8 months ago

hint -> Speech Recognition is Speech to Text

Speech Synthesis is the reverse

upvoted 5 times

Bladiebla22 2 years, 11 months ago

horrible name "speech recognition" i thought it was that car thing that you say "read my message" but it's indeed speech to text.. thanks guys

upvoted 2 times

skylabb 2 years, 11 months ago

Nice.

Answer is BD

upvoted 1 times

Amstel 3 years ago

Speech recognition is actually speech to text

So B and D are correct answers

upvoted 5 times

BigJose 3 years, 6 months ago

Answer is correct. A is Speech Synthesis, not Speech Recognition

upvoted 3 times

  ticbab 3 years, 5 months ago

  Or as better known in Azure - Text-to-Speech.

  upvoted 1 times

Yass92 3 years, 6 months ago

if you see next question, A should be speech as well?!

upvoted 4 times

  athang007 3 years, 1 month ago

  A is text-to-speech, while BD are speech-to-text.

  upvoted 1 times

ipindado2020 3 years, 9 months ago

ans is correct

upvoted 4 times

HOTSPOT -

To complete the sentence, select the appropriate option in the answer area.

Hot Area:

> **Suggested Answer:**
>
> Reference:
>
> https://azure.microsoft.com/en-gb/services/cognitive-services/speech-to-text/#features

Soke `Highly Voted 👍` 1 year, 2 months ago

Speech recognition = speech to text

Speech synthesis = text to speech

May the force be with you

upvoted 18 times

2LAG `Highly Voted 👍` 3 years, 2 months ago

Option B is Correct!!... because Speech Synthese is more of "text to speech"

upvoted 9 times

zellck `Most Recent ⊘` 1 year, 2 months ago

1. speech recognistion

https://learn.microsoft.com/en-us/azure/cognitive-services/speech-service/index-speech-to-text

Speech to text from the Speech service, also known as speech recognition, enables real-time and batch transcription of audio streams into text.

upvoted 3 times

rdemontis 1 year, 3 months ago

correct. we need to transcript our speech

upvoted 2 times

cgalartxa 1 year, 5 months ago

This question came in the April 2023 exam

upvoted 5 times

DrChats 2 years, 3 months ago

on test 14/6/22

upvoted 1 times

Phemmy86 2 years, 11 months ago

option B is the correct answer

upvoted 2 times

Deevine78 3 years ago

"speech recognition" is correct.

upvoted 8 times

You need to build an app that will read recipe instructions aloud to support users who have reduced vision.
Which version service should you use?

> A. Text Analytics
>
> B. Translator
>
> C. Speech
>
> D. Language Understanding (LUIS)

Suggested Answer: *C*

Reference:

https://azure.microsoft.com/en-us/services/cognitive-services/text-to-speech/#features

Community vote distribution

C (100%)

👤 **andre999** `Highly Voted 👍` 2 years, 11 months ago

Correct answer!

Speech is actually Text-to-Speach
Speech Recognition is actually Speach-to-Text.

upvoted 14 times

  👤 **tizona** 2 years, 4 months ago

  Speech service includes Text-to-Speach, Speach-to-Text, Speech Translation, etc.

  https://docs.microsoft.com/en-us/azure/cognitive-services/speech-service/overview

  upvoted 8 times

👤 **rdemontis** `Most Recent ⊙` 1 year, 3 months ago

`Selected Answer: C`

correct answer

upvoted 3 times

👤 **alexein74** 1 year, 4 months ago

`Selected Answer: C`

C Speech

upvoted 3 times

👤 **Phemmy86** 2 years, 11 months ago

ans is correct

upvoted 2 times

👤 **Deevine78** 3 years ago

C. Speech

upvoted 2 times

👤 **kashi1983** 3 years, 1 month ago

Answer is correct.

upvoted 1 times

👤 **TheB** 3 years, 5 months ago

Answer C is correct.

upvoted 4 times

👤 **tearcodiac** 3 years, 6 months ago

answer is correct

upvoted 1 times

👤 **ipindado2020** 3 years, 9 months ago

ans is correct

HOTSPOT -
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.
Hot Area:

Suggested Answer:
Reference:
https://docs.microsoft.com/en-gb/azure/cognitive-services/text-analytics/overview https://azure.microsoft.com/en-gb/services/cognitive-services/speech-services/

👤 **shoutiv** `Highly Voted 👍` 2 years, 11 months ago
on exam 22 october, answer is Y/Y/Y (passed with 1000/1000)
upvoted 36 times

👤 **SnowCheetah** `Highly Voted 👍` 3 years, 3 months ago
Transcribe a call to text -Speech Service: Speech to Text Service
Extract call Transcription to find key entity - Text Analytic : Entity Recognition
Translate a call to different langauge : Speech Service : Speech Translations

Thus Y/ Y /Y
upvoted 35 times

👤 **fabras** `Most Recent ⊘` 1 year ago
CORRECT. Speech Service has also translator feature

https://learn.microsoft.com/en-us/azure/ai-services/speech-service/overview
upvoted 3 times

👤 **rdemontis** 1 year, 3 months ago
given answer is correct
https://learn.microsoft.com/en-us/azure/cognitive-services/speech-service/overview
upvoted 1 times

👤 **idioteque** 2 years ago
I just took the exam today 8/19/2022.

The main keywords of on these questions "Speech Service and Text Analytics" are now replaced by "Language Service". So I got confused but still answered all Y/Y/Y.

And I still passed the exam with score of 916/1000.
upvoted 4 times

👤 **Motifkeyz** 3 years ago
This is correct, I totally agree
upvoted 2 times

👤 **hyahya** 3 years ago
In ML Conventional terminology the the third should be NO . Speech STT transcribes speech into text , but Translation is then using NLP Translator which is a text-processing ML, then TTS to convert the translated text to speech again. in AZURE ML terminology it's considered YES , since there is already a speech service that makes reak time speech translation , but should pass implicitly to a text Translator in the middle . Speech to speech translator without converting to text in the between is still an area of research .
upvoted 2 times

👤 **andre999** 2 years, 11 months ago
Indeed, I also agree that the answers should be Y/Y/N.
upvoted 1 times

👤 **jv2120** 3 years, 1 month ago

YYY is correct. link https://docs.microsoft.com/en-us/azure/cognitive-services/speech-service/overview

upvoted 4 times

👤 **Awot** 3 years, 3 months ago

The answer is Correct.

Visit the second link on the answer page.

upvoted 2 times

👤 **xiandasu** 3 years, 3 months ago

the second websit of ref shows these three functions in speech service.

upvoted 1 times

👤 **xiandasu** 3 years, 3 months ago

https://azure.microsoft.com/en-gb/services/cognitive-services/speech-services/

upvoted 1 times

👤 **Lipseal** 3 years, 3 months ago

Speech translation -

A Speech service feature that translates speech in real time

Translate audio from more than 30 languages https://azure.microsoft.com/en-gb/services/cognitive-services/speech-translation/

upvoted 1 times

👤 **Oopsie** 3 years, 3 months ago

I think the last one is N?

upvoted 1 times

👤 **anil_kapoor** 3 years, 3 months ago

speech service can translate as well?

upvoted 2 times

👤 **Razh** 3 years, 2 months ago

I think so, based on this link: https://docs.microsoft.com/en-us/azure/cognitive-services/speech-service/get-started-speech-translation

upvoted 1 times

👤 **xcesaro1096** 3 years, 3 months ago

Same as Sabba. mmmmmm

upvoted 2 times

👤 **Sabba** 3 years, 3 months ago

I think it is N/Y/N.

upvoted 10 times

👤 **dukejan** 3 years, 3 months ago

I agree

upvoted 4 times

Your website has a chatbot to assist customers.

You need to detect when a customer is upset based on what the customer types in the chatbot.

Which type of AI workload should you use?

    A. anomaly detection

    B. computer vision

    C. regression

    D. natural language processing

Suggested Answer: *D*

Natural language processing (NLP) is used for tasks such as sentiment analysis, topic detection, language detection, key phrase extraction, and document categorization.

Sentiment Analysis is the process of determining whether a piece of writing is positive, negative or neutral.

Reference:

https://docs.microsoft.com/en-us/azure/architecture/data-guide/technology-choices/natural-language-processing

Community vote distribution

D (100%)

👤 **Soke** 1 year, 2 months ago

Selected Answer: D

D. Natural Language Processing

upvoted 2 times

👤 **rdemontis** 1 year, 3 months ago

Selected Answer: D

correct

upvoted 3 times

👤 **alexein74** 1 year, 4 months ago

Selected Answer: D

D. natural language processing

upvoted 3 times

👤 **baciga** 2 years, 5 months ago

Selected Answer: D

D is correct

upvoted 4 times

👤 **neptune2000** 2 years, 7 months ago

Selected Answer: D

D is correct

upvoted 3 times

👤 **alluxenof** 2 years, 10 months ago

Correct

upvoted 4 times

You plan to develop a bot that will enable users to query a knowledge base by using natural language processing.

Which two services should you include in the solution? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. QnA Maker
- B. Azure Bot Service
- C. Form Recognizer
- D. Anomaly Detector

Suggested Answer: *AB*

Reference:

https://docs.microsoft.com/en-us/azure/bot-service/bot-service-overview-introduction?view=azure-bot-service-4.0

https://docs.microsoft.com/en-us/azure/cognitive-services/luis/choose-natural-language-processing-service

Community vote distribution

AB (100%)

☐ 👤 **idioteque** `Highly Voted 👍` 2 years ago

I took the exam today 8/19/2022.

The QnA has been replaced by "Language Service". I managed to pass the exam with the score of 916/1000.

upvoted 18 times

☐ 👤 **Sameera93** `Most Recent ⊘` 1 year ago

`Selected Answer: AB`

AB is the correct answer from the provided. However, QnA Maker need to changed to "Azure Cognitive Service for Language". Azure Cognitive Service for Language can create question and answer bank that can be join to Bot Service to achieve the goal motioned in the question.

upvoted 3 times

☐ 👤 **PeteColag** 10 months ago

Azure Cognitive Service for Language has been renamed to Azure Language Service.

upvoted 1 times

☐ 👤 **rdemontis** 1 year, 3 months ago

`Selected Answer: AB`

correct answer

upvoted 4 times

☐ 👤 **alexein74** 1 year, 4 months ago

`Selected Answer: AB`

A and B are correct answers

upvoted 3 times

☐ 👤 **ziggy1117** 1 year, 5 months ago

QnA to be replaced with Language service Custom Question Answering feature

upvoted 4 times

☐ 👤 **kdw** 2 years, 3 months ago

`Selected Answer: AB`

A and B

upvoted 2 times

☐ 👤 **baciga** 2 years, 5 months ago

A B are correct

upvoted 3 times

☐ 👤 **Phemmy86** 2 years, 10 months ago

Ans is correct

upvoted 1 times

☐ 👤 **jclee** 2 years, 10 months ago

Correct ans

upvoted 1 times

☐ 👤 **Phemmy86** 2 years, 11 months ago

correct ans

upvoted 1 times

☐ 👤 **Deevine78** 3 years ago

A & B are correct.

upvoted 3 times

☐ 👤 **ericsrz** 3 years, 2 months ago

CORRECT

upvoted 1 times

☐ 👤 **Emdy** 3 years, 3 months ago

Correct

upvoted 1 times

In which two scenarios can you use a speech synthesis solution? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

A. an automated voice that reads back a credit card number entered into a telephone by using a numeric keypad

B. generating live captions for a news broadcast

C. extracting key phrases from the audio recording of a meeting

D. an AI character in a computer game that speaks audibly to a player

Suggested Answer: *AD*

Azure Text to Speech is a Speech service feature that converts text to lifelike speech.

Incorrect Answers:

C: Extracting key phrases is not speech synthesis.

Reference:

https://azure.microsoft.com/en-in/services/cognitive-services/text-to-speech/

Community vote distribution

AD (100%)

☐ 👤 **neptune2000** `Highly Voted 👍` 2 years, 7 months ago

`Selected Answer: AD`

A and D is correct

--> https://docs.microsoft.com/en-us/azure/cognitive-services/speech-service/text-to-speech

upvoted 7 times

☐ 👤 **Kline** `Highly Voted 👍` 11 months, 2 weeks ago

Speech recognition - the ability to detect and interpret spoken input.

Speech synthesis - the ability to generate spoken output.

upvoted 7 times

☐ 👤 **valv** `Most Recent ⊘` 5 months ago

The thing that made me uncertain about A is that if the telephone call did NOT have a reasonable expectation of privacy. If it was on a speaker phone, in public, would the bot reading out your CC number out loud be considered as breaking the principle of Security & Privacy for Responsible AI?

Maybe I am overthinking it and these exams sometimes really do just want the answer based on the simplest scenario with no extra context.

upvoted 1 times

☐ 👤 **Clouddddddd** 8 months, 1 week ago

On exam 08/01/2024

upvoted 2 times

☐ 👤 **Sylph** 1 year ago

Text to speech enables your applications, tools, or devices to convert text into humanlike synthesized speech. The text to speech capability is also known as speech synthesis.

https://learn.microsoft.com/en-us/azure/ai-services/speech-service/text-to-speech

upvoted 2 times

☐ 👤 **rdemontis** 1 year, 3 months ago

`Selected Answer: AD`

correct

upvoted 3 times

☐ 👤 **Bicoo** 1 year, 8 months ago

A and D

upvoted 4 times

☐ 👤 **kdw** 2 years, 3 months ago

`Selected Answer: AD`

A and D

HOTSPOT -

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Suggested Answer:

The translator service provides multi-language support for text translation, transliteration, language detection, and dictionaries.

Speech-to-Text, also known as automatic speech recognition (ASR), is a feature of Speech Services that provides transcription.

Reference:

https://docs.microsoft.com/en-us/azure/cognitive-services/Translator/translator-info-overview https://docs.microsoft.com/en-us/legal/cognitive-services/speech-service/speech-to-text/transparency-note

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👤 **rolinpo35** `Highly Voted 👍` 2 years, 11 months ago

correct

upvoted 16 times

👤 **idioteque** `Highly Voted 👍` 2 years ago

I just took the exam today 8/19/2022.

The main keywords here Translator service are now replaced by "Language Service". So I got confused on the last question and to my understanding based on the exam, the "language service" covers as a whole (NLP, Speech, QnA Maker, Text service) all related past questions from exam topics. So for this particular question. I answered YYY.

I still managed to pass the exam with the score of 916/1000.

upvoted 11 times

> 👤 **Sylph** 1 year ago
>
> Translator service still seems to exist: https://learn.microsoft.com/en-us/azure/ai-services/translator/translator-overview
>
> But it is true that many services changed names and are aggregated what makes it confusing.
>
> upvoted 1 times

👤 **AmitRoy** `Most Recent ⊘` 7 months, 3 weeks ago

Chat GPT says Y,Y,N :)

upvoted 1 times

👤 **KezzaT** 1 year ago

This should be YYY. If you go to the website mentioned in the answer (https://azure.microsoft.com/en-us/services/cognitive-services/speech-to-text/#overview) the very first thing the page says is "Quickly and accurately transcribe audio to text in more than 100 languages and variants."

upvoted 1 times

> 👤 **propanther** 12 months ago
>
> How did you corelate Translator service with Speech-To-Text service? Azure AI Translator service is different from Speech service. So it should be YYN
>
> upvoted 2 times

👤 **ToddW** 1 year, 1 month ago

Transcription is not translation. Correct.

upvoted 1 times

👤 **everlyd20** 1 year, 2 months ago

Correct

upvoted 1 times

👤 **rdemontis** 1 year, 3 months ago

Given answer is correct. to convert audible speech in to text you need speech to text service

upvoted 3 times

👤 **jimmysplash** 2 years, 4 months ago

Transcribe audio into text is speech recognition hence YYN

Pravda 2 years, 6 months ago

On exam 3.3.2022

UM68 2 years, 6 months ago

This should be correct, because you require Speech first in addition to convert audio to text, see more details here:

https://azure.microsoft.com/en-us/services/cognitive-services/speech-translation/#features

NASM 2 years, 6 months ago

Should be YYY

vcehunger 2 years, 7 months ago

Should be YYY

https://azure.microsoft.com/en-us/services/cognitive-services/speech-to-text/#overview

xiban 2 years, 10 months ago

in -incorrect

:)

DRAG DROP -

You need to scan the news for articles about your customers and alert employees when there is a negative article. Positive articles must be added to a press book.

Which natural language processing tasks should you use to complete the process? To answer, drag the appropriate tasks to the correct locations. Each task may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

Suggested Answer:

Box 1: Entity recognition -

the Named Entity Recognition module in Machine Learning Studio (classic), to identify the names of things, such as people, companies, or locations in a column of text.

Named entity recognition is an important area of research in machine learning and natural language processing (NLP), because it can be used to answer many real-world questions, such as:

☞ Which companies were mentioned in a news article?

☞ Does a tweet contain the name of a person? Does the tweet also provide his current location?

☞ Were specified products mentioned in complaints or reviews?

Box 2: Sentiment Analysis -

The Text Analytics API's Sentiment Analysis feature provides two ways for detecting positive and negative sentiment. If you send a Sentiment Analysis request, the API will return sentiment labels (such as "negative", "neutral" and "positive") and confidence scores at the sentence and document-level.

Reference:

https://docs.microsoft.com/en-us/azure/machine-learning/studio-module-reference/named-entity-recognition

https://docs.microsoft.com/en-us/azure/cognitive-services/text-analytics/how-tos/text-analytics-how-to-sentiment-analysis

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👤 **Radoslavov** `Highly Voted 👍` 2 years, 9 months ago

entity recognition - to get the key phrases talks about by the customers

Sentiment analysis to analyze if the comment is positive or negative

upvoted 11 times

👤 **saurabh_r** `Most Recent ⊘` 11 months ago

I got this question in my exam - thanks for the support

upvoted 1 times

👤 **rdemontis** 1 year, 3 months ago

correct

upvoted 2 times

👤 **DrChats** 2 years, 3 months ago

on test 14/6/22

upvoted 2 times

👤 **Pravda** 2 years, 6 months ago

On exam 3.3.2022

upvoted 2 times

👤 **WindowAFX** 2 years, 9 months ago

yep agreed

upvoted 4 times