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The use of station warning lights, tool boards and jidohka devices in the application of Lean accomplish which of these principles?

- A. Pilferage Minimization
- B. Visual Factory
- C. Management Awareness
- D. Operator Attentiveness

Suggested Answer: *B*



manisujai 10 months, 2 weeks ago



visual factory





Question #2

Topic 1

A Lean Principle that addresses efficiency by the process worker is called _____?

- A. Visual Factory
- B. Supervising
- C. Training
- D. Standardizing

Suggested Answer: D



manisujai 10 months, 2 weeks ago



Standardizing



Question #3

Topic 1

While management of a company must set the stage for all improvement efforts, which of these 5S's is primarily driven by management?

- A. Straighten
- B. Sort
- C. Shine
- D. Sustain

Suggested Answer: D



dwoods35 1 year, 1 month ago



D. Sustain



Question #4

Topic 1

As part of a Visual Factory plan _____ cards are created and utilized to identify areas in need of cleaning and organization.

- A. Kanban
- B. Kaizen
- C. Poke-Yoke
- D. WhoSai

Suggested Answer: A



dwoods35 1 year, 1 month ago



A. Kanban



Question #5

Topic 1

The use of Kanbans work best with pull systems for determining the timing of which products or services are produced.

- A. True
- B. False

Suggested Answer: A



dwoods35 1 year, 1 month ago



A. True



Question #6

Topic 1

When a Belt applies the practice of Poka-Yoke to a project challenge she is attempting to make certain the activity is _____ .

- A. Well documented
- B. Removed from the line
- C. Mistake proofed
- D. Highly visible

Suggested Answer: C

Currently there are no comments in this discussion, be the first to comment!

Question #7

Topic 1

The Lean Principle action in the 5S approach that deals with having those items needed regularly at hand and those items need less regularly stored out of the way is known as

need less regularly stored out of the way is known as _____.

- A. Shining
- B. Standardizing
- C. Sustaining
- D. Sorting

Suggested Answer: D

Currently there are no comments in this discussion, be the first to comment!

Question #8

Topic 1

SPC on the outputs is more preferred than SPC on the inputs when implementing SPC for your process.

- A. True
- B. False

Suggested Answer: B

Currently there are no comments in this discussion, be the first to comment!

Question #9

Topic 1

Significant variation in process performance is a consequence of several causes that can be classified using which of the terminologies shown. (Note: There are 2 correct answers).

- A. Common
- B. Random
- C. Uneducated
- D. Special
- E. Vital

Suggested Answer: AD

Currently there are no comments in this discussion, be the first to comment!

Question #10

Topic 1

When it comes to Control one of the most effective means of eliminating defects is to _____.

- A. Train personnel often and thoroughly
- B. Keep a Six Sigma project going on the process at all times
- C. Design defect prevention into the product
- D. Have each process consist of no more than five steps

Suggested Answer: C

Currently there are no comments in this discussion, be the first to comment!

Question #11

Topic 1

A periodic time frame can be used to arrange for Control Limit and Center Line calculations with good SPC implementation in a process.

- A. True
- B. False

Suggested Answer: A



ash077 8 months, 2 weeks ago



The answer is True.

In the field of Statistical Process Control (SPC), a periodic time frame proves to be useful for calculations involving Control Limit and Center Line. SPC is a method of monitoring and controlling a process to ensure it operates at its full potential. The Center Line in an SPC chart represents the average of the process, while Control Limits are statistical measures that define the upper and lower bounds of acceptability. Using a periodic time frame allows professionals to analyze trends and make necessary adjustments in the process over specified periods of time.

👍👎🗨️ upvoted 1 times



Question #12

Topic 1

The data on SPC charts are typically constructed such that they have the most recent data point on the right hand side.

- A. True
- B. False

Suggested Answer: A

Currently there are no comments in this discussion, be the first to comment!

Question #13

Topic 1

Which statement(s) describe an undesirable situation when implementing SPC?

- A. The lower Control Limit for the R chart is equal to zero
- B. Attempt to use SPC for tracking transaction times at a warehouse
- C. A process is in Statistical Control before implementation of SPC
- D. The Control Limits are wider than the customer specification limits

Suggested Answer: D

Currently there are no comments in this discussion, be the first to comment!

Question #14

Topic 1

If a process has Outliers which pair of charts is most preferable if subgroups will exist for the Continuous Data?

- A. Individual and Moving Range
- B. Xbar-R Charts
- C. Xbar-S Charts
- D. nP and P Charts

Suggested Answer: B

Community vote distribution
C (100%)



Chr1s_Mrg 7 months, 3 weeks ago



Selected Answer: C

X-S charts are ideal for processes with subgroups and continuous data, especially when subgroup sizes are relatively large. The standard deviation considers all data points in the subgroup, while the range only focuses on the difference between the smallest and largest values, making it more sensitive to outliers.

upvoted 1 times



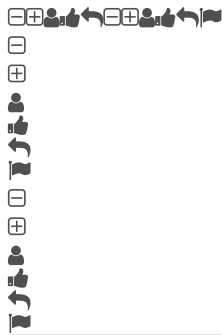
Lacattack 1 year, 6 months ago



X bar S charts plots the subgroup standard deviation whereas
X bar R charts plots the subgroup range.
I-MR chart the group size is one only
NP and P charts is for discrete data

upvoted 1 times





Question #15

Topic 1

After a Belt has put data through the smoothing process which chart would be used to look for trends in the data?

- A. Moving Average Chart
- B. Multi-Vari Chart
- C. X bar Chart
- D. Pareto Chart

Suggested Answer: A

Currently there are no comments in this discussion, be the first to comment!

Question #16

Topic 1

A Belt concludes a Lean Six Sigma project with the creation of a Control Plan. At what point can the Control Plan be closed?

- A. Never, a Control Plan is a living document
- B. As soon as the Champion signs off
- C. Within 30 days of the LSS project review team meeting
- D. After the project has been presented at the recognition event

Suggested Answer: A

Currently there are no comments in this discussion, be the first to comment!

Question #17

Topic 1

When analyzing a data set we frequently graph one metric as a function of another. If the slope of the Correlation line is -2.5 we would say the two metrics are _____ correlated?

- A. Positively
- B. Not
- C. Negatively
- D. None

Suggested Answer: C

Currently there are no comments in this discussion, be the first to comment!

Question #18

Topic 1

Multiple Linear Regressions (MLR) is best used when which of these are applicable? (Note: There are 3 correct answers).

- A. Non-linear relationships between the inputs X's and output Y
- B. Uncertainty in the slope of the linear relationship between an X and a Y
- C. Relationships between Y (output) and more than one X (Input)
- D. Preventing the use of a Designed Experiment if unnecessary
- E. We assume that the X's are independent of each other

Suggested Answer: CDE

Currently there are no comments in this discussion, be the first to comment!

Question #19

Topic 1

Fractional Factorial designs for an experimental approach are used when _____ about the multiple metric interaction in a process.

- A. Much is known
- B. Little is known
- C. We don't care
- D. Data exists

Suggested Answer: B

Currently there are no comments in this discussion, be the first to comment!

Question #20

Topic 1

A Belt will occasionally do a quick experiment referred to as an OFAT which stands for _____.

- A. Only a Few Are Tested
- B. Opposite Factors Affect Technique
- C. One Factor At a Time
- D. Ordinary Fractional Approach Technique

Suggested Answer: C

Currently there are no comments in this discussion, be the first to comment!

Question #21

Topic 1

Which statement(s) are correct for the Regression Analysis shown here? (Note: There are 2 correct answers).

Regression Analysis: HeatFlux versus %Cu, Thickness

The Regression Equation is
HeatFlux = 484 + 4.80 %Cu - 24.2 Thickness

Predictor	Coef	SE Coef	T	P
Constant	483.67	39.57	12.22	0.000
%Cu	4.7963	0.9511	5.04	0.000
Thickness	-24.215	1.941	-12.48	0.000

S = 8.93207 R-Sq = 85.9% R-Sq (adj) = 84.8%

Analysis of Variance

Source	DF	SS	MS	F	P
Regression	2	12607.6	6303.8	79.01	0.000
Residual Error	26	2074.3	79.8		
Total	28	14681.9			

Source	DF	Seq SS
%Cu	1	184.5
Thickness	1	12423.1

Unusual Observations

Obs	%Cu	HeatFlux	Fit	SE Fit	Residual	St Resid
1	40.6	271.80	274.74	5.08	-2.94	-0.40 X
22	36.3	254.50	230.91	2.39	23.59	2.74R

R denotes an observation with a large standardized residual.
X denotes an observation whose X value gives it large influence.

- A. This Regression is an example of a Multiple Linear Regression.
- B. This Regression is an example of Cubic Regression.
- C. %Cu explains the majority of the process variance in heat flux.
- D. Thickness explains over 80% of the process variance in heat flux.
- E. The number of Residuals in this Regression Analysis is 26.

Suggested Answer: AD

Currently there are no comments in this discussion, be the first to comment!

The Regression Model for an observed value of Y contains the term 2^0 which represents the Y axis intercept when $X = 0$.

- A. True
- B. False

Suggested Answer: A

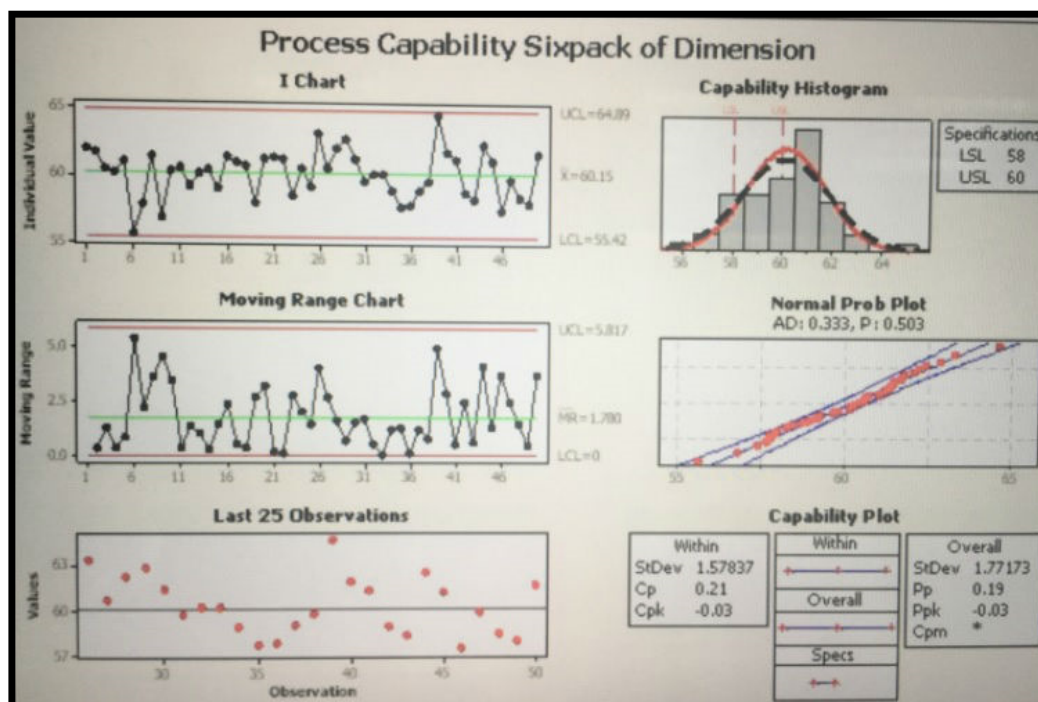
Currently there are no comments in this discussion, be the first to comment!

Which statement(s) are true about the Fitted Line Plot shown here? (Note: There are 2 correct answers).

- A. When Reactant increases, the Energy Consumed increases.
- B. The slope of the equation is a positive 130.5.
- C. The predicted output Y is close to -18 when the Reactant level is set to 6.
- D. Over 85 % of the variation of the Energy Consumed is explained by the Reactant via this Linear Regression.

Suggested Answer: CD

Currently there are no comments in this discussion, be the first to comment!



After reviewing the Capability Analysis shown here select the statement(s) that are untrue.

- A. The process is properly assumed to be a Normal process
- B. The Mean of the process moving range is 1.78
- C. The process is out of Control
- D. This Capability Analysis used subgroups
- E. Majority of the dimensional values are outside of the tolerance than within

Suggested Answer: A

Currently there are no comments in this discussion, be the first to comment!

The actual experimental response data varied somewhat from what a Belt had predicted them to be. This is the result of which of these?

- A. Inefficiency of estimates
- B. Residuals

- C. Confounded data
- D. Gap Analysis

Suggested Answer: B

Currently there are no comments in this discussion, be the first to comment!

Question #26

Topic 1

What is the Cycle Time, in minutes, for a process having a Throughput of 360 units per hour?

- A. 0.167
- B. 0.333
- C. 0.667
- D. 1.333

Suggested Answer: A

Currently there are no comments in this discussion, be the first to comment!

Question #27

Topic 1

The generation of a Regression Equation is justified when we _____. (Note: There are 4 correct answers).

- A. Expect the relationship to be Linear between the output and inputs
- B. Know that there is a non-linear relationship between output and input(s)
- C. Need to understand how to control a process output by controlling the input(s)
- D. Experience several process defects and have no other way to fix hem
- E. When it is very expensive or too late to measure the output

Suggested Answer: ACDE

Currently there are no comments in this discussion, be the first to comment!

Question #28

Topic 1

According to the definition of Rolled Throughput Yield which of the following items best describe the purpose of RTY?

- A. A function of $Y=f(x)$
- B. Determines incremental Growth
- C. Isolates the increase throughput
- D. Accounts for rejects and reworks

Suggested Answer: D

Currently there are no comments in this discussion, be the first to comment!

Question #29

Topic 1

The following Business Case is constructed properly.
`During fiscal year 2008 the warranty returns for electric razor Model 312 were 1.3%. This represents a gap of 0.5% over target costing the company \$18,500 per month.`

- A. True
- B. False

Suggested Answer: A

Currently there are no comments in this discussion, be the first to comment!

Question #30

Topic 1

Which statement(s) are true about the Fitted Line Plot shown here? (Note: There are 2 correct answers).

- A. When Reactant increases, the Energy Consumed increases.
- B. The slope of the equation is a positive 130.5.
- C. The predicted output Y is close to -18 when the Reactant level is set to 6.

D. Over 85 % of the variation of the Energy Consumed is explained by the Reactant via this Linear Regression.

Suggested Answer: *CD*



Question #31

Topic 1

Select all the statements that are true after reviewing the Capability Analysis shown here. (Note: There are 4 correct answers).

- A. The process is out of Control.
- B. The process is properly assumed to be a Normal process.
- C. The Mean of the process moving range is 1.78.
- D. This Capability Analysis used subgroups.
- E. Majority of the dimensional values are outside of the tolerance than within.

Suggested Answer: *BCDE*

Currently there are no comments in this discussion, be the first to comment!

Question #32

Topic 1

A Six Sigma tool that helps to screen factors by using graphical techniques to logically subgroup multiple discrete X's plotted against a continuous Y is known as a _____ Chart.

- A. SIPOC
- B. Multi-Vari
- C. Box Plot
- D. Whisker

Suggested Answer: *B*

Currently there are no comments in this discussion, be the first to comment!

Question #33

Topic 1

A primary benefit of using a Multi-Vari Chart is it provides a visual presentation of two-way interactions.

- A. True
- B. False

Suggested Answer: *A*

Currently there are no comments in this discussion, be the first to comment!

Question #34

Topic 1

_____ Distributions occur when data comes from several sources that are supposed to be the same yet are not.

- A. Skewed
- B. Bimodal
- C. Gaussian
- D. Tri-peaked

Suggested Answer: A

Currently there are no comments in this discussion, be the first to comment!

Question #35

Topic 1

Bias in Sampling is an error due to lack of independence among random samples or due to systematic sampling procedures.

- A. True
- B. False

Suggested Answer: A

Currently there are no comments in this discussion, be the first to comment!

Question #36

Topic 1

To draw inferences about a sample population being studied by modeling patterns of data in a way that accounts for randomness and uncertainty in the observations is known as _____.

- A. Influential Analysis
- B. Inferential Statistics
- C. Physical Modeling
- D. Sequential Inference

Suggested Answer: B

Currently there are no comments in this discussion, be the first to comment!

Question #37

Topic 1

For a Normal Distribution the Mean, Median and Mode are the same data point.

- A. True
- B. False

Suggested Answer: A

Currently there are no comments in this discussion, be the first to comment!

Question #38

Topic 1

When two Inputs have an impact on the Output together yet seem to have no or little impact on their own this is called a/an _____.

- A. Interaction
- B. Oddity
- C. Coincidence
- D. Impossibility

Suggested Answer: A

Currently there are no comments in this discussion, be the first to comment!

Question #39

Topic 1

Hypothesis Testing can save time and help avoid high costs of experimental efforts by using existing data.

- A. True
- B. False

Suggested Answer: A

Currently there are no comments in this discussion, be the first to comment!

Question #40

Topic 1

It is a Type II error if we decide to reject the Null Hypothesis when it is actually true.

- A. True
- B. False

Suggested Answer: B

Currently there are no comments in this discussion, be the first to comment!

Question #41

Topic 1

A Belt experienced an Alpha of .05 and a Beta of .10 and knew these are the most common risk levels when running a Statistical test.

- A. True
- B. False

Suggested Answer: A

Currently there are no comments in this discussion, be the first to comment!

Question #42

Topic 1

Inferential Statistics is largely about Significance. There are both Practical and _____ Significance to consider during an analysis of data in a Lean Six Sigma project.

- A. Problematic
- B. Impractical
- C. Usable
- D. Statistical

Suggested Answer: D

Currently there are no comments in this discussion, be the first to comment!

Question #43

Topic 1

The Central Limit Theorem helps us understand the _____ we are taking and is the basis for using sampling to estimate population parameters.

- A. Analysis
- B. Kurtosis
- C. Risk
- D. Route

Suggested Answer: C

Currently there are no comments in this discussion, be the first to comment!

Question #44

Topic 1

Hypothesis Tests determine the probabilities of differences between observed data and the hypothesis being solely due to _____ based on the result of the P-values.

- A. Human error
- B. Measurement error
- C. Shift differences
- D. Chance

Suggested Answer: D

Currently there are no comments in this discussion, be the first to comment!

Question #45

Topic 1

The Alpha level of a test (level of significance) represents the yardstick against which P-values are measured and the Null Hypothesis is rejected if the P-value is which of these?

- A. Less than the Alpha level.

- B. Greater than the Alpha level.
- C. Greater than the Beta and Alpha level.
- D. Less than one minus Alpha.
- E. Less than the power of one minus Beta.

Suggested Answer: A

Currently there are no comments in this discussion, be the first to comment!

Question #46

Topic 1

A 1-Sample t-test is used when you want to compare the Median of one distribution to a target value.

- A. True
- B. False

Suggested Answer: B



KAVIN01 8 months, 3 weeks ago



A sample t-test is a statistical hypothesis test that compares the mean of a sample to a designated value. It's used to determine if the sample comes from a particular population.

$t = \frac{\bar{M} - \mu}{S_x}$

upvoted 1 times



Question #47

Topic 1

When a Belt is analyzing sample data she should keep in mind that 95% of Normally Distributed data is within +/- 2 Standard Deviations from the Mean.

- A. True
- B. False

Suggested Answer: A

Currently there are no comments in this discussion, be the first to comment!

Question #48

Topic 1

The Standard Deviation for the distribution of Means is called the _____ and approaches zero as the sample size reaches 30.

- A. Standard Error
- B. Mean Deviation
- C. Mean Spread
- D. Mean Error

Suggested Answer: A

Currently there are no comments in this discussion, be the first to comment!

Question #49

Topic 1

Due to excessive pollution, GREEN Solutions Inc. is considering subsidizing public transportation to work for its employees. According to the manager it takes an average weekday commute of 39 minutes with a Standard Deviation of 7 minutes for the employees to get to work while they use their personal vehicles for their office commute while the management set a policy of not more than 40 minutes for their daily one-way commute. A survey conducted one day on 70 employees showed an average of 34 minutes commuting time using the metro public transportation system with a Standard Deviation of 21 minutes. Assuming a Normal Distribution for the commute times by either personal or public transportation, which of these is true?

- A. The probability that they would arrive on time using personal vehicles is much higher than using the metro public transportation system (MPTS)
- B. The probability that they would arrive on time using the MPTS is much higher than using their personal vehicles
- C. The two probabilities are about the same excepting in one case the consistency is higher than the other
- D. We need to compile more data around weekends to incorporate for traffic differences
- E. When Standard Deviation is higher the probability goes down and so the MPTS is worse

Suggested Answer: B

Currently there are no comments in this discussion, be the first to comment!

Question #50

Topic 1

According to a manager it takes an average weekday commute of 39 minutes with a Standard Deviation of 7 minutes for the employees to get to work when they use their personal vehicles for their office commute while management set a policy of not more than 40 minutes for their daily one-way commute. A survey conducted one day on 70 employees showed an average of 34 minutes commuting time using the metro public transportation system with a Standard Deviation of 21 minutes. For the employees choosing to increase their chances to come on time using personal transportation their variation should be reduced to _____?

- A. 1 minute
- B. 6 minutes
- C. 3.5 minutes
- D. Eliminate it to 0.0 minutes

Suggested Answer: C

Currently there are no comments in this discussion, be the first to comment!

Question #51

Topic 1

According to a manager it takes an average weekday commute of 39 minutes with a Standard Deviation of 7 minutes for the employees to get to work while they use their personal vehicles for their office commute while the management set a policy of not more than 40 minutes for their daily one-way commute. A survey conducted one day on 70 employees showed an average of 34 minutes commuting time using the metro public transportation system with a Standard Deviation of 21 minutes. If the Standard Deviation is uncontrollable then the other option to increase the probability of coming in on time via personal vehicles to work could be _____?

- A. Increase the average time of commute
- B. Maintain the average time of commute and change route to work
- C. Reduce average commute time to work by departing earlier
- D. Change policy at work and request for flexible times based on location

Suggested Answer: C

Currently there are no comments in this discussion, be the first to comment!

Question #52

Topic 1

Which of the following is used to test the significance for the analysis of a Variance Table?

- A. t Test
- B. F Test
- C. Chi Square Test
- D. Acid Test

Suggested Answer: B

Currently there are no comments in this discussion, be the first to comment!

Question #53

Topic 1

Non-parametric testing is done when which of these are applicable? (Note: There are 3 correct answers).

- A. When the traditional t tests don't produce the results we need
- B. A Hypothesis Test for the Median of the population is in question
- C. It does not require data to come from Normally Distributed populations
- D. They look at the Median rather than the Mean of populations

- D. They look at the median rather than the mean of populations
- E. When there are no parameters to measure in the process

Suggested Answer: BCD

Currently there are no comments in this discussion, be the first to comment!

Question #54

Topic 1

The Mann-Whitney Test is used to test if the Means for two samples are different.

- A. True
- B. False

Suggested Answer: B



KAVIN01 8 months, 3 weeks ago

that is used to compare two sample means that come from the same population, and used to test whether two sample means are equal or not.

Mann-Whitney U test is equivalent to Wilcoxon rank-sum test.

The computations for the Mann-Whitney U test that are now described are based on the formula for the case where both n_1 and n_2 are less than or equal to 20. The total number of subjects across groups is $N = n_1 + n_2$ and $U = n_1 \cdot n_2 + n_1(n_1 + 1)/2 - R_1$, where R_1 is the sum of the ranks for group 1.

Disadvantages. This test is mainly designed for comparing the distributions of two independent samples or groups. It cannot directly compare more than two groups. Extremely imbalanced sample sizes can negatively impact the test's power as the test's ability to detect significant differences can get reduced.

upvoted 1 times



Question #55

Topic 1

Contingency Tables are used to perform which of these functions?

- A. Illustrate one-tail proportions
- B. Analyze the "what if" scenario
- C. Contrast the Outliers under the tail
- D. Compare more than two sample proportions with each other

Suggested Answer: D

Currently there are no comments in this discussion, be the first to comment!

Question #56

Topic 1

For the data shown here a Belt suspects the three grades are supplying the same results. Which statement(s) are true for proper Hypothesis Testing?

Grade A	Grade B	Grade C
0.917	1.1	0.63
0.68	0.173	4.17
1.74	0.24	0.6
0.3	0.67	0.84
0.33	6.94	0.22
4.13		

- A. The most appropriate Central Tendency to test is the Means
- B. An appropriate test to test Central Tendency is the Levene's test
- C. An appropriate test to test Central Tendency is the ANOVA test
- D. An appropriate test to test Central Tendency is the Mood's Median test

Suggested Answer: D

Currently there are no comments in this discussion, be the first to comment!

Question #57

Topic 1

If the data displayed in a Histogram displays two peaks the distribution would likely be _____.

- A. Transformed
- B. Multi-skewed
- C. Bi-attribute
- D. Bimodal

Suggested Answer: D

Currently there are no comments in this discussion, be the first to comment!

Question #58

Topic 1

The _____ is important because it provides an estimate of the probability of an event occurring depending on the Standard Deviation from the Mean.

- A. Shewhart Principle
- B. Pareto Rule
- C. Mean/Mode Spread
- D. Empirical Rule

Suggested Answer: D

Currently there are no comments in this discussion, be the first to comment!

Question #59

Topic 1

Skewed, or Mixed, Distributions occur when data comes from several sources that are supposed to be the same yet are not.

- A. True
- B. False

Suggested Answer: A

Currently there are no comments in this discussion, be the first to comment!

Question #60

Topic 1

Measurement System Analysis is a procedure used to quantify all _____ in the method or system used for taking measurements.

- A. Totals
- B. People involved
- C. Variation
- D. Summations

Suggested Answer: C

Currently there are no comments in this discussion, be the first to comment!

Question #61

Topic 1

The FMEA is used to analyze potential source of defects in the process of interest and stands for _____.

- A. Failure Measure for Effective Automation
- B. Failure Modes and Effect Analysis
- C. Focused Mental Efforts Analyze
- D. Failed Manufacturing Efforts Analyzed

Suggested Answer: B

Currently there are no comments in this discussion, be the first to comment!

Question #62

Topic 1

The perfect sample size is the minimum number of data points required to provide exactly 6% overlap or risk if one wants a 95% confidence level.

- A. True
- B. False

Suggested Answer: B

Currently there are no comments in this discussion, be the first to comment!

Question #63

Topic 1

With the use of Statistics we define the population to be a large enough sample set of data such that you can analyze it and draw conclusions as to all of the data.

- A. True
- B. False

Suggested Answer: B

Currently there are no comments in this discussion, be the first to comment!

Question #64

Topic 1

When creating a Cause and Effect Diagram the team needs to continually broaden their view as well as drill down until they identify all the potential _____ impacting their process.

- A. Line operators
- B. Root Causes
- C. Inventory issues
- D. Customer requests

Suggested Answer: B

Currently there are no comments in this discussion, be the first to comment!

Question #65

Topic 1

Hypothesis Testing can help avoid high costs of experimental efforts by using existing data.

- A. True
- B. False

Suggested Answer: A

Currently there are no comments in this discussion, be the first to comment!

Question #66

Topic 1

Hypothesis Tests determine the probabilities of differences between observed data and the hypothesis being solely due to chance. This is determined based on the result of the _____.

- A. Random acts
- B. P-values
- C. Standard Deviations
- D. R-values

Suggested Answer: B

Currently there are no comments in this discussion, be the first to comment!

Question #67

Topic 1

It is a Type I error if we reject the Null Hypothesis when it is actually true.

- A. True
- B. False

Suggested Answer: A

Currently there are no comments in this discussion, be the first to comment!

Question #68

Topic 1

The purpose of a Process Map is to identify the complexity of the process and to record all actions and decision points in the process.

- A. True
- B. False

Suggested Answer: A

Currently there are no comments in this discussion, be the first to comment!

Question #69

Topic 1

Having an Alpha of .05 and a Beta of .10 are the most common risk levels when running a Statistical test.

- A. True
- B. False

Suggested Answer: A

Currently there are no comments in this discussion, be the first to comment!

Question #70

Topic 1

Use of the _____ approach is the most classic arrangement when constructing a Fishbone Diagram.

- A. Chronological
- B. 6M
- C. 5M
- D. Alphabetical

Suggested Answer: B

Currently there are no comments in this discussion, be the first to comment!

Question #71

Topic 1

The deviation of the measured value from the actual value regardless of the operator is known as _____.

- A. Linearity
- B. Bias
- C. Repeatability
- D. Movement

Suggested Answer: B

Currently there are no comments in this discussion, be the first to comment!

Question #72

Topic 1

A 1-Sample t-test is used to compare an expected population Mean to a target.

- A. True
- B. False

Suggested Answer: A

Currently there are no comments in this discussion, be the first to comment!

Question #73

Topic 1

Unequal Variances can be the result of differing types of distributions.

- A. True
- B. False

Suggested Answer: A

Currently there are no comments in this discussion, be the first to comment!

Question #74

Topic 1

Due to excessive pollution, GREEN Solutions Inc. is considering subsidizing public transportation to work for its employees. According to the manager it takes an average weekday commute of 39 minutes with a Standard Deviation of 7 minutes for the employees to get to work while they use their personal vehicles for their office commute while the management set a policy of not more than 40 minutes for their daily one-way commute. A survey conducted one day on 70 employees showed an average of 34 minutes commuting time using the metro public transportation system with a Standard Deviation of 21 minutes. Assuming a Normal Distribution for the commute times by either personal or public transportation, which of these is true?

- A. The probability that they would arrive on time using personal vehicles is much higher than using the metro public transportation system (MPTS)
- B. The probability that they would arrive on time using the MPTS is much higher than using their personal vehicles
- C. The two probabilities are about the same excepting in one case the consistency is higher than the other
- D. We need to compile more data around weekends to incorporate for traffic differences
- E. When Standard Deviation is higher the probability goes down and so the MPTS is worse

Suggested Answer: B

  **Ahmednm** 7 months, 3 weeks ago

answer is E

   upvoted 1 times

















 **Castoli** 1 year, 1 month ago



Confidence interval of personal vehicule is 37.4 to 40.6, and for the metro is 29.1 to 38.9, with a confidence leve of 95%

   upvoted 1 times















 **lamxe** 1 year, 2 months ago



Should not the answer be C. The two probabilities are about the same excepting in one case the consistency is higher than the other? When you calculate the confidence interval PV [31 , 39] and MPTs [37,3, 40,6], are overlapping?

   upvoted 1 times







Question #75

Topic 1

According to a manager it takes an average weekday commute of 39 minutes with a Standard Deviation of 7 minutes for the employees to get to work when they use their personal vehicles for their office commute while management set a policy of not more than 40 minutes for their daily one-way commute. A survey conducted one day on 70 employees showed an average of 34 minutes commuting time using the metro public transportation system with a Standard Deviation of 21 minutes. For the employees choosing to increase their chances to come on time using personal transportation their variation should be reduced to _____?

- A. 1 minute
- B. 6 minutes
- C. 3.5 minutes
- D. Eliminate it to 0.0 minutes

Suggested Answer: C



Ahmednm 7 months, 3 weeks ago



answer is 6

upvoted 1 times



lamxe 1 year, 2 months ago



Can 1 minute be an acceptable solution? The confidence interval is reduced and the chance increase?

upvoted 1 times



Question #76

Topic 1

According to a manager it takes an average weekday commute of 39 minutes with a Standard Deviation of 7 minutes for the employees to get to work while they use their personal vehicles for their office commute while the management set a policy of not more than 40 minutes for their daily one-way commute. A survey conducted one day on 70