



LSSYB^{Q&As}

Lean Six Sigma Yellow Belt

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**QUESTION 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.

Correct Answer: A

QUESTION 2

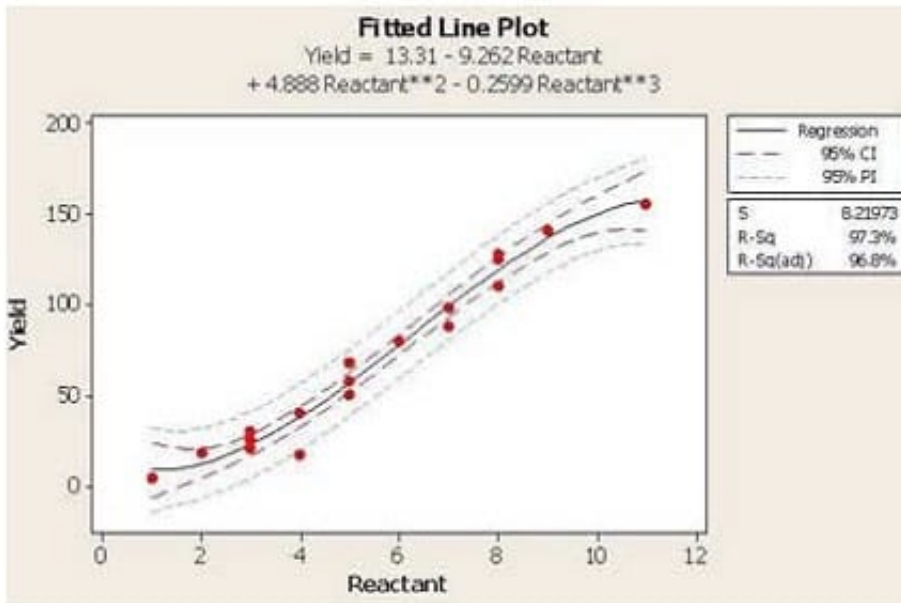
A Six Sigma tool that helps to screen factors by using graphical techniques to logically subgroup multiple discrete X's plotted against a continuous Y is known as a _____ Chart.

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

Correct Answer: B

QUESTION 3

Which statement is NOT correct about the Fitted Line Plot shown here?



- A. The independent variable is the reactant
- B. If the reactant was 6 units, with 95 % confidence we would expect a minimum yield of 100 units
- C. With at least 95% confidence, we can expect less than 10 units of Yield when the reactant is at a value of 1
- D. A reactant value between 2 and 4 units yields around 20 to 40

Correct Answer: D

QUESTION 4

There are a large number of potential human errors. What are possible countermeasures for inexperience?

- A. Visual aids and work instructions
- B. Education and/or discipline
- C. Work standardization and discipline
- D. TPM and skill building

Correct Answer: A

QUESTION 5

It is recommended that when beginning a 5S program it be started in a pilot work area for learning and demonstration purposes then it is expended throughout the plant.

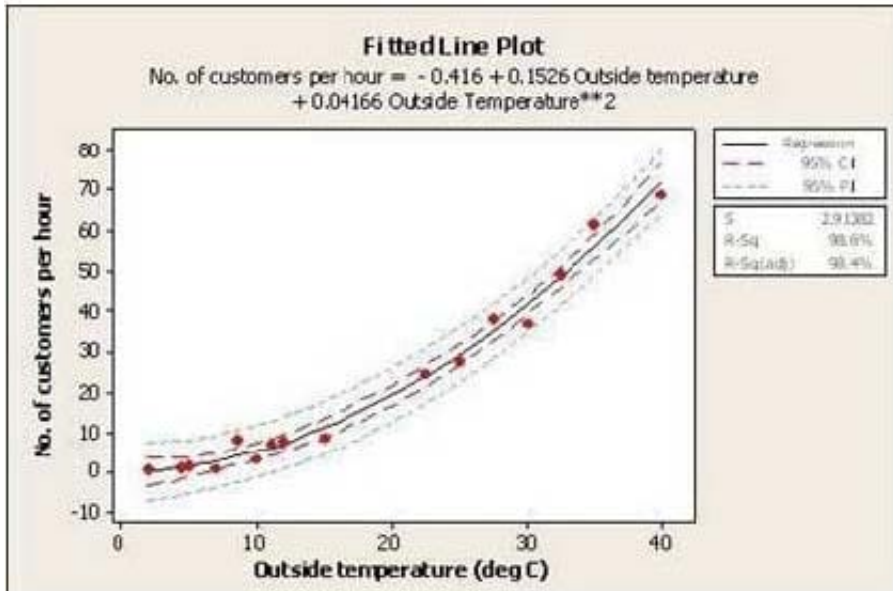
- A. True
- B. False



Correct Answer: A

QUESTION 6

Which statement is correct about the Regression shown here?



- A. The dependent variable is the outside temperature
- B. The relationship between outside temperature and number of customers per hour is a Linear Regression
- C. The dashed lines indicate with 95% confidence where all of the process data should fall between
- D. The dashed lines indicate with 95% confidence the estimate for the Quadratic Regression Line

Correct Answer: D

QUESTION 7

When a Belt utilizes a problem solving approach that is automated thus requiring no particular understanding for use it is called _____ .

- A. No Brainer
- B. Mistake Proofing
- C. Auto-defective
- D. Self-Regulating

Correct Answer: C



QUESTION 8

In an Attribute MSA which is a study that includes a set of trials to assess the ability of the operator to use an operational definition?

- A. Discrete Measurement Study
- B. Crossed Design
- C. Signal Averaging
- D. Operator Measurement Study

Correct Answer: A

QUESTION 9

As part of a(n) _____ plan Kanban cards are created and utilized to identify areas in need of cleaning and organization.

- A. Reorganization
- B. Visual Factory
- C. Breakthrough
- D. Organizational

Correct Answer: B

QUESTION 10

_____ can be measured against a.

- A. Performance
- B. Outcome of the process (Y)
- C. Operational Efficiency
- D. All of the above

Correct Answer: A

QUESTION 11

One of the primary benefits of your team working together to create an X-Y Diagram is that the data collected from this exercise is accurate and certain.

- A. True



B. False

Correct Answer: B

QUESTION 12

Standard Deviation is:

- A. an indicator of the degree of variation in a set of values calculated by measuring the average spread of the values around the mean
- B. The sum of the mean, median, mode, and range of a set of values divided by four
- C. a defective variation that has become accepted as inevitable
- D. the usual workaround when data is unavailable for a process

Correct Answer: A

QUESTION 13

If you are a Team Lead encountering a positively skewed normal distribution curve for Defect Leakage Rate, then what will you conclude from the following?

- A. Process is stable
- B. Process is within limits
- C. Process needs Corrective action over Defects
- D. Process is influenced by special cause variation

Correct Answer: C

QUESTION 14

The 70:30 rule is associated with which of these tools?

- A. Pareto Chart
- B. Simon's Cross-Functional Tool
- C. SIPOC
- D. None of these answers is correct

Correct Answer: D

QUESTION 15



What is the Probability value of the area under the curve between -1.0 and -2.0 Standard deviation units in Normal Distribution?

A. 0.3413

B. 0.4772

C. 0.1359

D. 0.8185

Correct Answer: C

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