DUMPSBOSS.COM

Lean Six Sigma Green Belt

Six Sigma LSSGB

Version Demo

Total Demo Questions: 10

Total Premium Questions: 162

Buy Premium PDF

https://dumpsboss.com

support@dumpsboss.com

dumpsboss.com

QUESTION NO: 1

The Purchase Orders for Glenn Manufacturing Company were being copied by an employee and sent to four different departments yet only one department took an action based on the information in the PO. This is an example of _____.

A. External Failure Costs

B. Appraisal Costs

C. Internal Failure Costs

D. Prevention Costs

ANSWER: C

QUESTION NO: 2

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.

ANSWER: C D

QUESTION NO: 3

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

ANSWER: A D

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

A. True

B. False

ANSWER: A

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

ANSWER: D

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.

ANSWER: A D

QUESTION NO: 7

Which element of waste best describes the cost of a resource being in the queue?

A. Waiting

B. Motion

C. Inventory

D. Correction

ANSWER: A

QUESTION NO: 8

The Purchase Orders for Glenn Manufacturing Company were being copied by an employee and sent to four different departments yet only one department took an action based on the information in the PO. This is an example of _____.

A. External Failure Costs

B. Appraisal Costs

C. Internal Failure Costs

D. Prevention Costs

ANSWER: C

QUESTION NO: 9

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

ANSWER: C D E

QUESTION NO: 10

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

ANSWER: A C D E