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Certified Lean Six Sigma Green Belt â€" GAQM

GAQM CLSSGB

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QUESTION NO: 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

ANSWER: C D E

QUESTION NO: 2

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

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ANSWER: C D E

QUESTION NO: 3

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

E. When there are no parameters to measure in the process

ANSWER: B C D

QUESTION NO: 4

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

ANSWER: A

QUESTION NO: 5

Which of these statements describe an undesirable situation when implementing SPC? (Note: There are 2 correct answers).

A. The lower Control Limit for the R chart is equal to zero

B. The Control Limits are wider than the customer specification limits

C. A process is in Statistical Control before implementation of SPC

D. Attempt to use SPC for tracking transaction times at a warehouse

E. Indication of the specification limits on the Control Chart

ANSWER: B E

QUESTION NO: 6

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

A. True

B. False

ANSWER: B

QUESTION NO: 7

The Six Sigma methodology had its origins at _____ in the late 1980's when William Smith coined the name for quality related work being done there.

A. Motorola

B. Allied Signal

C. General Electric

D. Honeywell

ANSWER: A

QUESTION NO: 8

Nominal Scale data consists of names, labels or categories and cannot be arranged in any mathematical ordering scheme. Complex arithmetic functions cannot be easily applied to Nominal Data:

A. True

B. False

ANSWER: A

QUESTION NO: 9

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

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: 10

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

ANSWER: A