



Free Questions for ICBB by certscare

Shared by Whitfield on 29-01-2024

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Question 1

Question Type: MultipleChoice

For a batch manufacturing process, while assessing short term process variation, which variation category(ies) should one need to focus on? (Note: There are 2 correct answers).

Options:

- A- Variation within consecutive pieces
- B- Variation among consecutive batches
- C- Variation among groups of pieces
- D- Variation among the completed product

Answer:

A, B

Question 2

Question Type: MultipleChoice

On a _____ one can see a pattern from the graphed points such that conclusions can be drawn about the largest family of Variation.

Options:

A- Multi-Vari Chart

B- Weighted Scale

C- X-Y Matrix

D- Poisson Chart

Answer:

A

Question 3

Question Type: MultipleChoice

Time is always the metric on the horizontal scale of a(n) _____ Chart.

Options:

A- Pareto

B- Xbar

C- Multi-Vari

D- NP

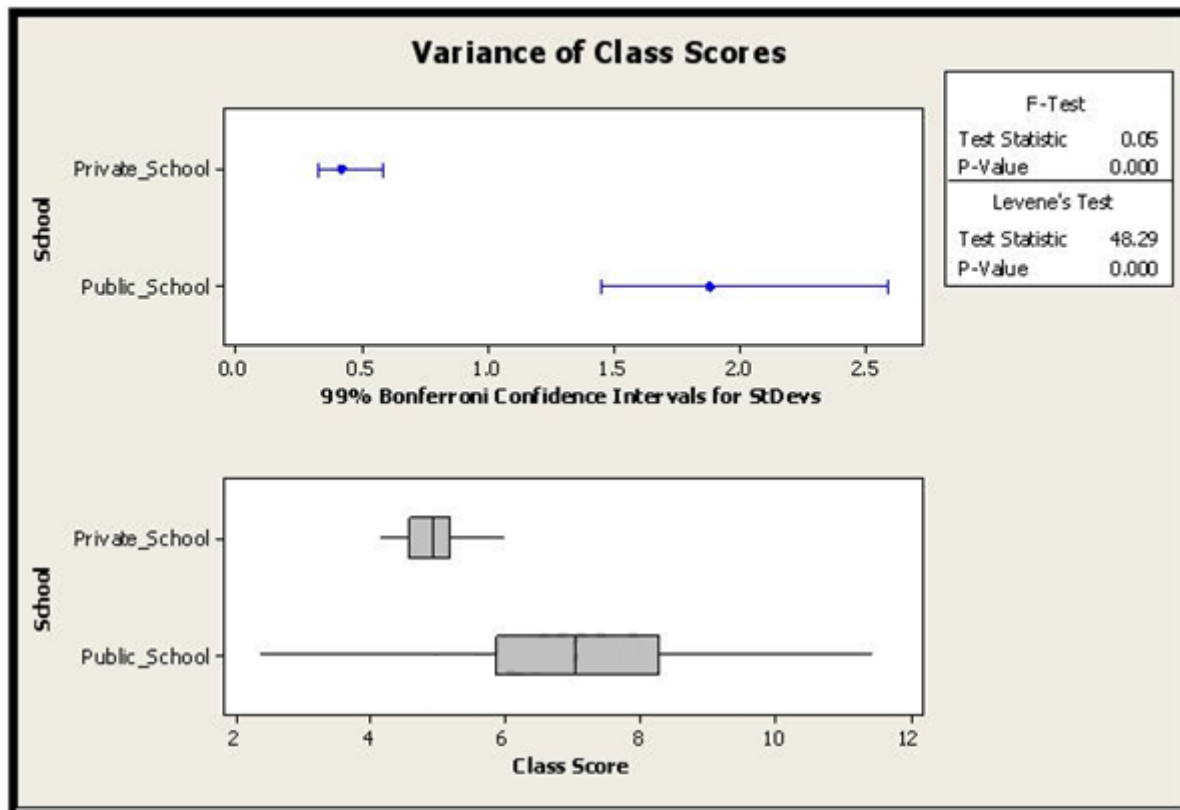
Answer:

C

Question 4

Question Type: MultipleChoice

From the variance F-test shown above, which of these conclusions is/are valid?



Test for Equal Variances: Class Score versus School

99% Bonferroni confidence intervals for standard deviations

| School | N | Lower | StDev | Upper |
|----------------|----|---------|---------|---------|
| Private_School | 50 | 0.32753 | 0.42210 | 0.58233 |
| Public_School | 50 | 1.45338 | 1.87303 | 2.58404 |

F-Test (Normal Distribution)

Test statistic = 0.05, p-value = 0.000

Options:

- A- The variance between the class score distribution is not significantly different
- B- This test applies only to Normal Distributed data at 99 % confidence
- C- The variance between the class score distribution is significantly different
- D- There are not enough data points to make any statistical conclusions

Answer:

C

Question 5

Question Type: MultipleChoice

To establish a sample size that will allow the proper overlap of distributions we do which of these?

Options:

- A- Multiply Alpha by 1.75
- B- Calculate one minus Beta
- C- Calculate Beta plus 2
- D- Multiply Beta by 3

Answer:

B

Question 6

Question Type: MultipleChoice

The validity of the decision made with Hypothesis Testing is dependent upon all of the following except _____.

Options:

- A- Beta risk
- B- Range of data
- C- Alpha risk

D- Sample size

Answer:

B

Question 7

Question Type: MultipleChoice

To be an effective Lean Six Sigma practitioner one must understand the difference between _____.

Options:

A- ANOVA and the Analysis of Variance

B- Nonparametric tests and tests of Non-normal Data

C- Practical and Statistical significance

D- F-test and test of variances of 2 samples

Answer:

C

Question 8

Question Type: MultipleChoice

Statistical Difference is the magnitude of difference or change required to distinguish between a true difference, brought about by change or improvement, and one that could have occurred by chance.

Options:

A- True

B- False

Answer:

A

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