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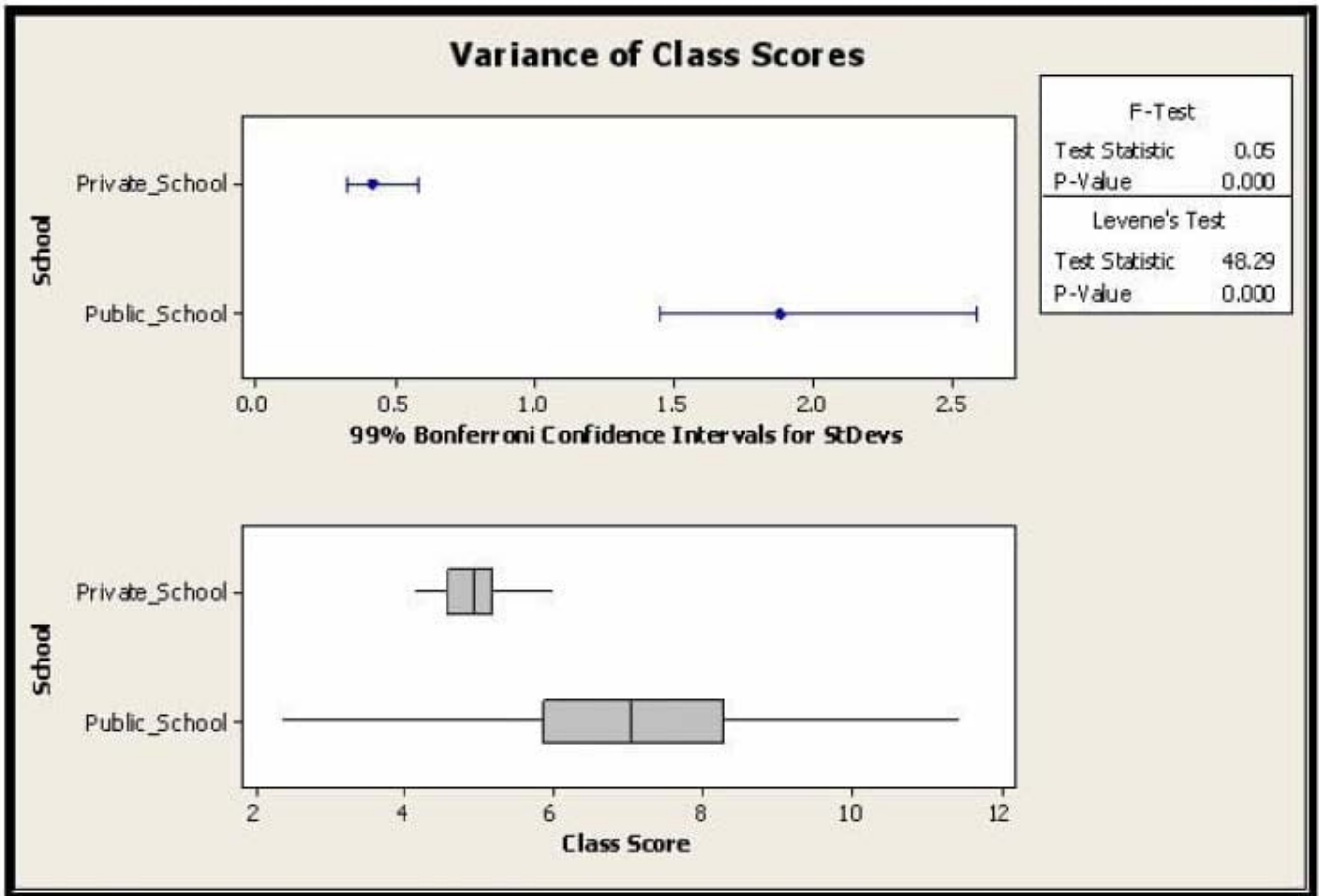
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QUESTION 1

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

Variance of Class Scores

99% Bonferroni Confidence Intervals for StDevs

F-Test	
Test Statistic	0.05
P-Value	0.000
Levene's Test	
Test Statistic	48.29
P-Value	0.000

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

A. The variance between the class score distribution is significantly different

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B. The variance between the class score distribution is not significantly different

C. This test applies only to Normal Distributed data at 99 % confidence

D. This test applies only to Non-normal Data at 99 % confidence

E. There are not enough data points to make any statistical conclusions

Correct Answer: A

QUESTION 2

Using this partial Z Table, how many units from a month\\'s production run are expected to not satisfy customer requirements for the following process?

Upper specification limit: 8.4 Lower specification limit: 4.7 Mean of the process: 6.2 Standard Deviation: 2.2 Monthly production: 360 units

A. 8

B. 13

C. 28

D. 57

Correct Answer: D

QUESTION 3

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

A. Multi-Vari Chart

B. Weighted Scale

C. X-Y Matrix

D. Poisson Chart

Correct Answer: A

QUESTION 4

For the data shown here which statement(s) are true? (Note: There are 2 correct answers).

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. With 95% confidence, we cannot conclude if the samples are from three Normal Distributions.

B. With greater than 95% confidence, we conclude the samples are from Non-normal Distributions.

C. If we wanted to compare the Central Tendencies of these three samples we would use the one way ANOVA test.

D. If we wanted to compare the Central Tendencies of these three samples we could use Mood\\'s Median test.

Correct Answer: BD

QUESTION 5

Kaizens or Kaikakus and Six Sigma projects are intended to create incremental process improvements versus breakthrough, significant improvements.

A. True

B. False

Correct Answer: B

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