

1. In a statistics examination for secondary students, the 26 females used in the study has a mean score of 84 and a variance of 16 while the 24 males used has a mean score of 79 and a variance of 12. Do you think gender have an effect on the score of the secondary student at 99% level significance?

None of the Optrions

2. Three out of the 11 finalists in an African American beauty competition are Nigerians. If three winner are to be selected, find the probability that; at least one of them would be a Nigerian.

0.66

3. _____ is a statistics process for estimating the relationship among variables

regression analysis

4. A regression analysis is inappropriate when there is _____ in the scatter plot

heteroscedasticity

5. Type 1 error occurs when/if an hypothesis is rejected when it should be _____

accepted

6. The regression equation for predicting number of speeding tickets (Y) from information about driver age (X) is $Y = -.065(X) + 5.57$. How many tickets would you predict for a twenty-year-old?

4.27

7. If 100 tosses are made of a fair coin, find the probability that between 28% and 68% will be heads

None of the Optrions

8. Calculate the variance of uniform distribution given that $(a + b) = 12/400$ and $b = 4.40$ while $a = 2.20$

None of the Optrions

9. Given a constant b such that the function $f(n) = bn$ square is 0,1,2. Find the probability of x is greater than 1 and less than 2

0.26

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