

ASSIGNMENT

1. Develop Regression line of Y on X from the following data and write down regression co efficient.

X	1	2	3	4	5
Y	1	2	1.3	3.75	2.25

2. Write down the Names of the methods used for testing appropriateness of the Model.
3. Define R^2 and state its Properties.
4. Test the appropriateness of the model fitted in example 1 using ANOVA.
5. Test the above Model using t test.
6. State the formula for 95% CI of β_1 and β_2 .
7. State Gauss-Markov theorem.
8. Calculate Confidence interval for β_2 of above example.
9. Write down the formula for Confidence interval for Predicted Value.