



PRACTICAL ON DESCRIPTIVE STATISTICS FOR BIVARIATE DATA (Code: IS02CAST52 (01 Credit)

LABORATORY WORK

List of Practical

Sr.	Task Using MS-EXCEL
1	Tabulation of scientific data: Bivariate quantitative data, bivariate quantitative-qualitative data, qualitative-qualitative data
2	Diagrammatical presentation of all bivariate scientific data: Scatter diagram. Cluster bar chart, box-plots
3	Computation of Karl Pearson correlation coefficient
4	Computation of bi-serial correlation coefficient
5	Computation of Spearman's rank correlation coefficient
6	Fitting of regression lines
7	Computation of odds ratio
8	Computation of trend in time series and prediction
9	Computation of seasonal variation in time series and prediction
10	Computation of cyclic variation in time series and forecasting by exponential smoothing

REFERENCE MATERIAL

1.	Fred, Pyrczak (2017). SUCCESS at STATISTICS, A worksheet with Humor, 6 th Ed., Routledge, NY.
2.	Pal, N. And Sarkar, S. (2005). STATISTICS, Concepts and Applications, Prentice Hall of India, New Delhi.
3.	K.V.S. Sarma (2001). STATISTICS made Simple DO It Yourself on PC, Prentice Hall of India, New Delhi.

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