OBJECTIVE

- To understand clearly about the problem of prediction and prediction error for two variables linear regression model. We want to consider here the cases of individual prediction and average prediction.
- To extend the concept of linear prediction, prediction error, individual and mean value prediction for classical K variate general linear model.
- To know about the test of significance and confidence intervals for individual and mean value prediction for Linear Models.
- To understand the concept of multicollinearity specifically about perfect and less than perfect multicollinearity
- To know about the effect of multicollinearity
- To know about how to detect multicollinearity
- To consider about different ways for tackling the problem of multicollinearity.