



ADVANCED STATISTICS

B.COM. SEMESTER VI

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DEFINATION OF REGRESSION ANALYSIS

- A. According to **Morris Hamburg**, “The term regression analysis” refers to the methods by which estimates are made of the values of a variables from a knowledge of the values of one or more other variable and to the measurement of the errors involved in the estimation process.”
- B. According to **Ya- La Chou**, “Regression Analysis attempts to establish the ‘nature of the relationship’ between variable that is, to study the functional relationship between the variable and thereby provide a mechanism for prediction, or forecasting.”

Utility, Importance and Application of Regression Analysis

1. Uses in the field of Business
2. Uses in Calculating Co-efficient of Correlation
3. Uses in the field of Social and Economic Study
4. It Helps in Estimating the Value of Dependent Variable From the Value of Independent Variables
5. Helps in Measuring Error in Using Regression Line
6. Uses in Day to Day Life

TYPES OF REGRESSION ANALYSIS

- a) Simple and Multiple
- b) Linear and Non-linear
- c) Total and Partial