

## Data Analysis

### Statistics

- \* Mean, Median, Mode.
- \* Variance & Standard Deviation.
- \* Skewness & Kurtosis

### 2. Probability Distribution.

- \* Normal distribution, Binomial distribution.
- \* Poisson distribution, Exponential & log-normal Distribution.
- \* Confidence Intervals
- \* Hypothesis testing
- \* P-value & Statistical Significance.
- \* Regression Analysis, linear, Multi, logistic, Time Series
- \* PCA (Principal Component Analysis).
- \* Factor Analysis :-
- \* Cluster Analysis
- \* Wilcoxon Signed Rank Test.
- \* Kruskal Wallis Test.
- \* Bootstrap Method.
- \* Stochastic Processes.
- \* Monte Carlo Simulation.
- \* Copulas.