

## Data Science and Machine Learning: Mathematical and Statistical Methods

- Overview
- Mean
- Weighted Mean
- Mode
- Median
- Weighted Median
- Trimmed Mean
- Outliers
- Anomaly Detection
- Deviations
- Variance
- Standard Deviation
- Percentiles
- Interquartile Range
- BoxPlot Analysis
- Histogram
- Correlation coefficient.
- Scatterplot
- Categorical and numeric data
- Sampling
- Bias
- Sample and Resample
- Normal Distribution
- A/B Testing
- Hypothesis Test
- Permutation
- P-Value
- Regression
- RMSA
- Classification
- NaiveBayes
- Confusion Matrix
- ROC Curve
- K-Nearest Neighbors
- Hyper Parameter
- K-means Clustering