**Hypothesis:**

1. What is Hypothesis?
2. When is it used & how is it used?
3. T Test
4. Z Test
5. ANOVA
6. Chai Square Test
7. Non-Parametric Hypothesis Test
8. ROC Curve

**Regression:**

1. Simple Linear Regression
2. Regression assumptions
3. Logistics Regression Assumptions
4. What is correlation?
5. Range of correlation Coefficient [-1 to +1]
6. What is a good value for Correlation Coefficient?
7. Adjusted R2 (r square) v/s standard R2
8. What is homoscedasticity v/s heteroscedasticity?
9. What is Multi Collinearity?

**Estimation:**

1. What is Skewness and Kurtosis?

**Machine Learning: Supervised v/s Unsupervised Learning:**

1. KNN v/s K means Clustering
2. Drawing the Plots
3. Different Types of Plotting:
4. Scattered Plots
5. Box Plot
6. Bell Curve
7. Trend Analysis/ Trend Plot
8. Pie Chart
9. Bar Graph
10. Violin Plot
11. Decision Trees v/s Random Forest