**Checklist :**

* Understand the data
* Create a Problem Statement
* Develop Goal/Aim
* Check if the data is apt for multivariate analysis
* Prepare Data Dictionary with each column definitions
* Create a Project Plan using SPAP (S.M.A.R.T)
* Identify Independent/Dependent variables
* Perform Exploratory Analysis
* Raise relevant questions and check if data set is able to answer them
* Perform Basic Visualizations

-Scatter Plot

-Scatter Plot Matrix

-Box-Plot

-Histograms

-Pie Chart

-Bar Chart

* Detect outliers
* Identify distortions to correlations
* Calculate VAR & COV
* Remove Outliers
* Normality
* Transform the data if necessary
* Hypothesis Testing

-T-test

-Hotelling test

-Levene Test