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	