Lab Assignment – 3 (Exploratory Data Analysis)

1. Loading a CSV file
2. Identifying the type of each attribute
3. Describing various statistical parameters related to the attributes such as mean, median, min value, max value, standard deviation etc.
4. Determine the number of samples belonging to each target class.
5. Computer covariance and correlation between each pair of attributes.
6. Perform Data Visualization
   a. Histogram
   b. Density Plots
   c. Correlation matrix (Heatmap)
   d. Box-plot
   e. Scatter-plot
   f. Line Plot