IBM ASSIGNMENT 4

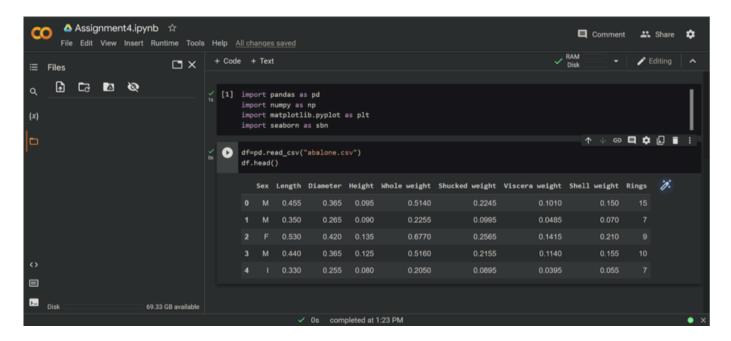
Name: Shamyukta Bose

Register No: 711319CS146

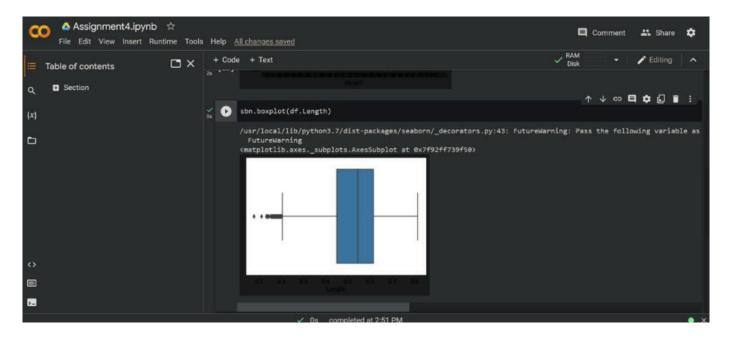
CHALLENGE:

Abalone Age Prediction

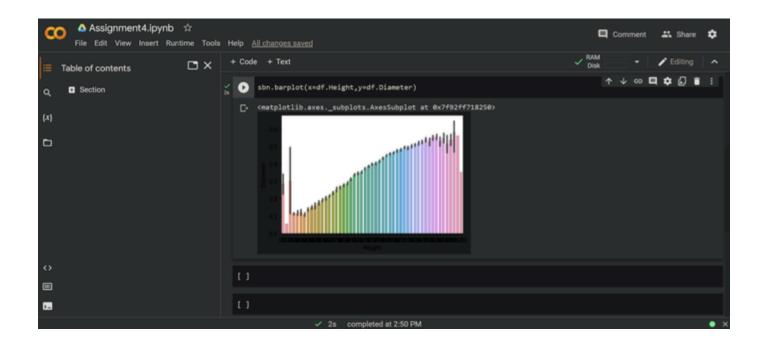
LOADING THE DATASET:



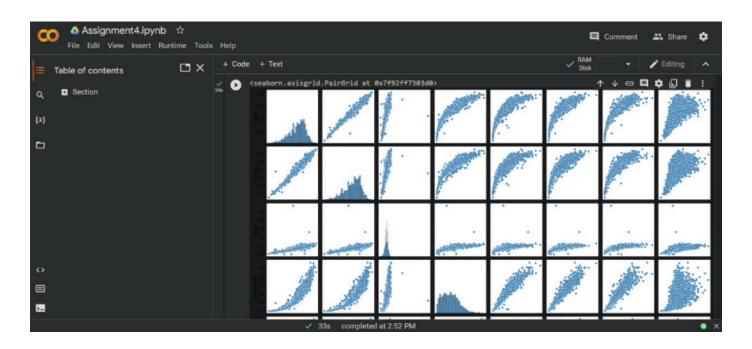
VISUALIZATIONS: Univariate Analysis



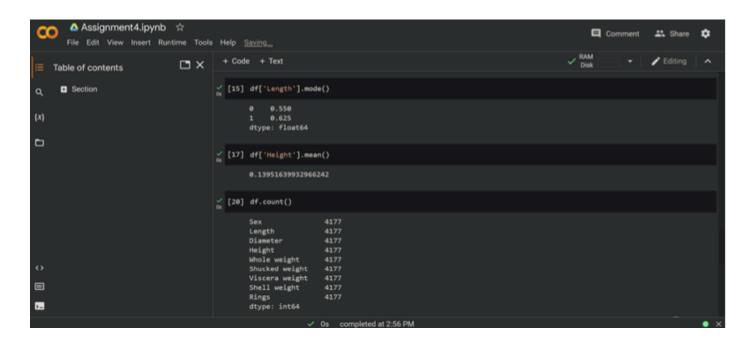
Bi-Variate Analysis

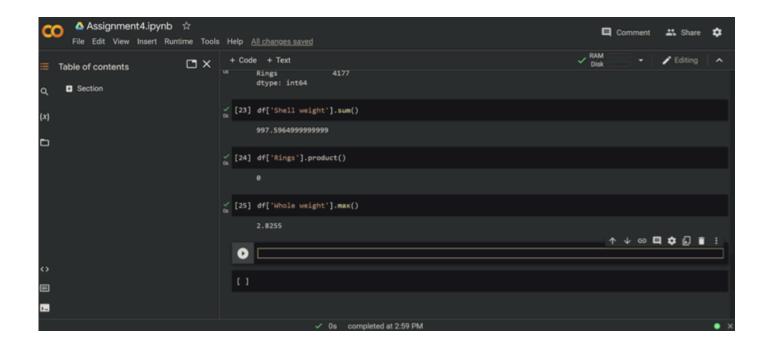


Multi-Variate Analysis

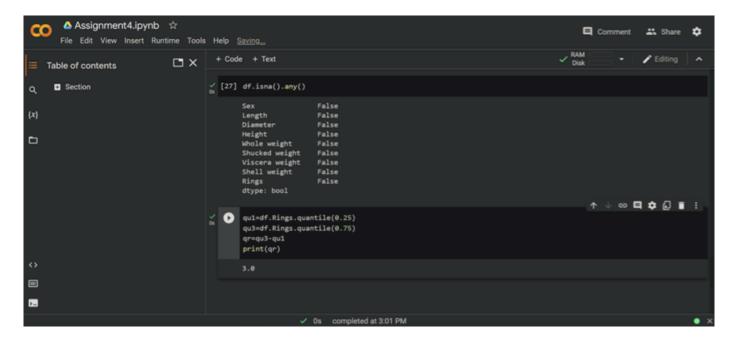


Perform descriptive Analysis on datasets

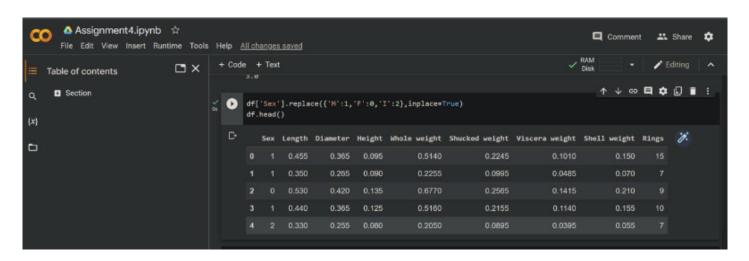




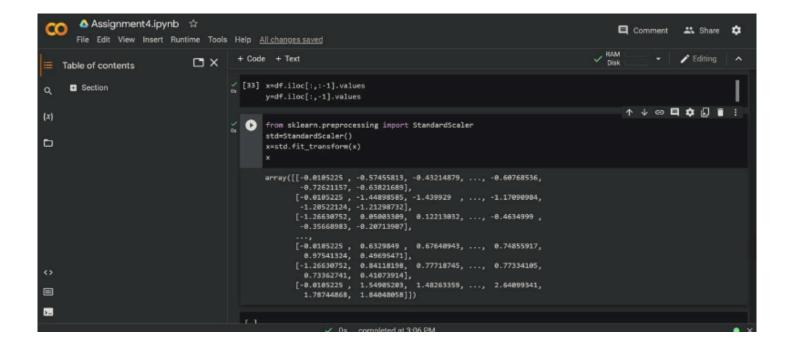
Checking for missing values and deal with them , Finding the outliers and replace them outliers



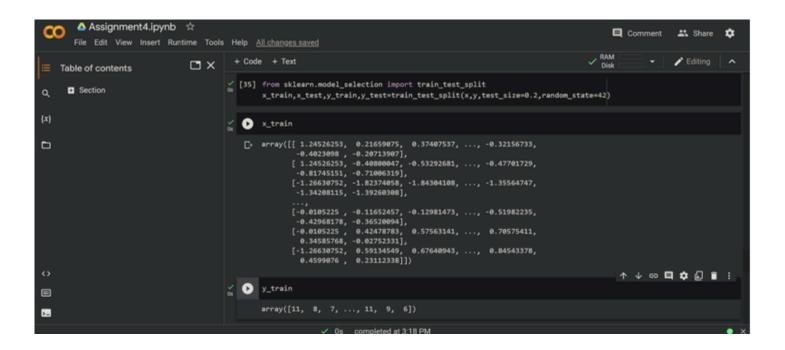
Check for categorical columns and perform encoding

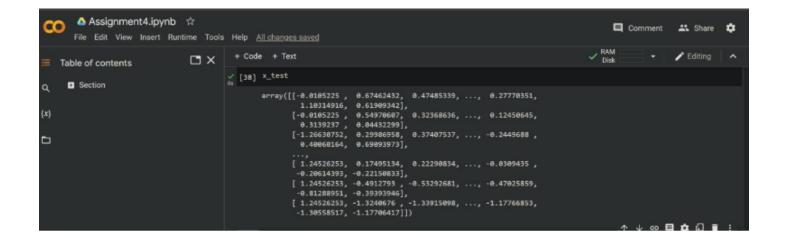


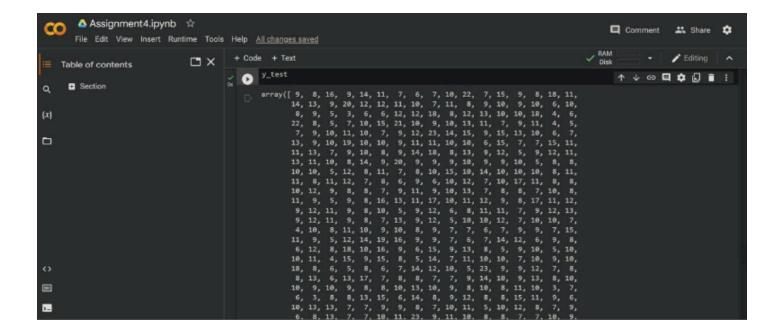
Split the data into dependent and independent variables, Scale the independent variable



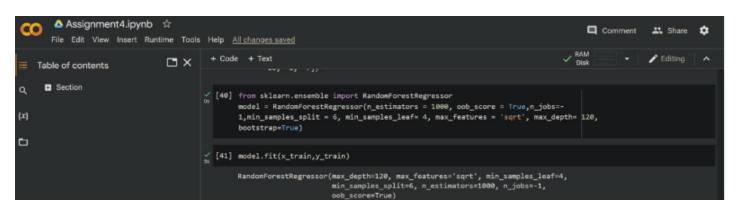
Split the data into training and testing



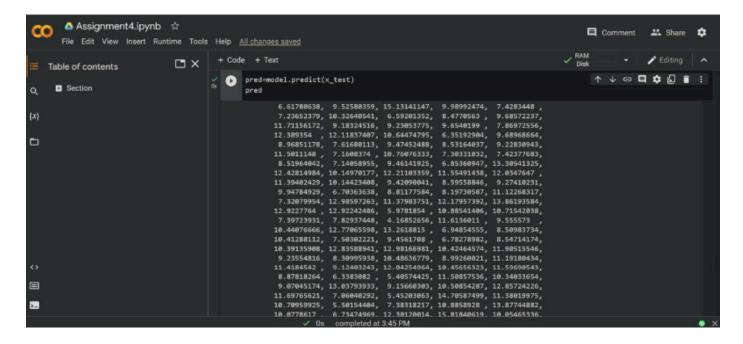




Build the model, Train the Model



Test the Model



Measure the performance using metrics

