Assignment -2

Data Visualization and Pre-processing

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| Assignment Date | 06 October 2022 |
| Project name | AI or A Noval Method For Handwritten Digit Recognition System |
| Team Id | PNT2022TMID17271 |
| Maximum Marks | 2 Marks |

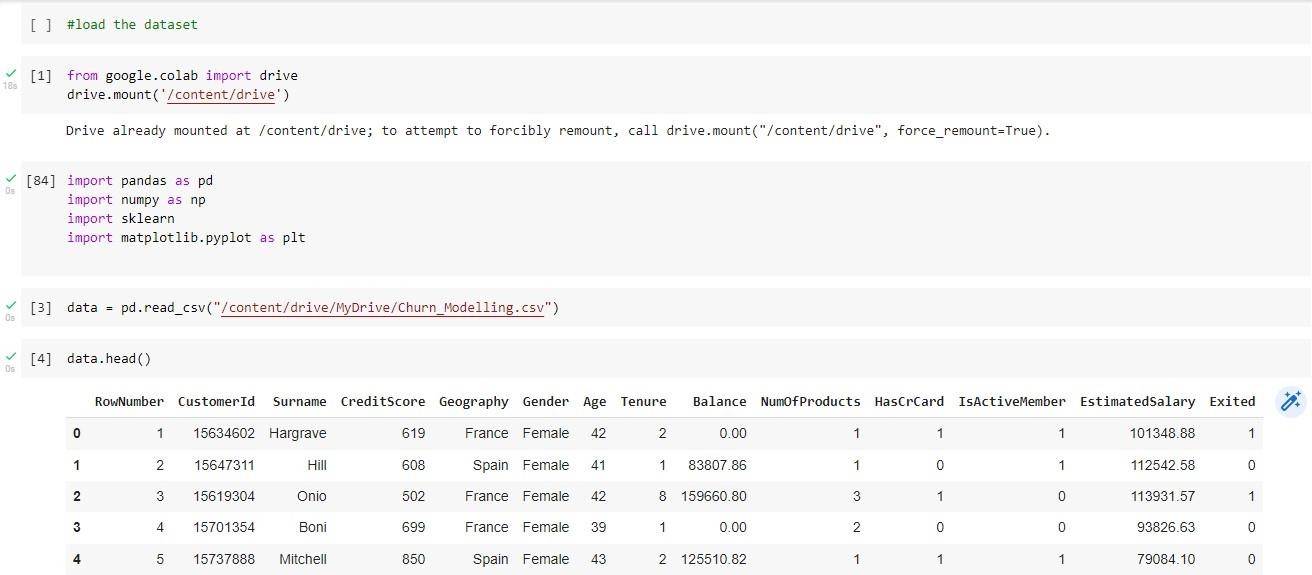
Question-1:

Download the dataset:

The dataset “Churn\_Modelling.csv” was downloaded Successfully

Question-2:

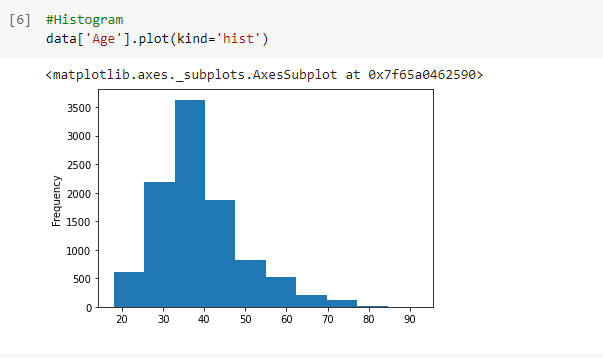
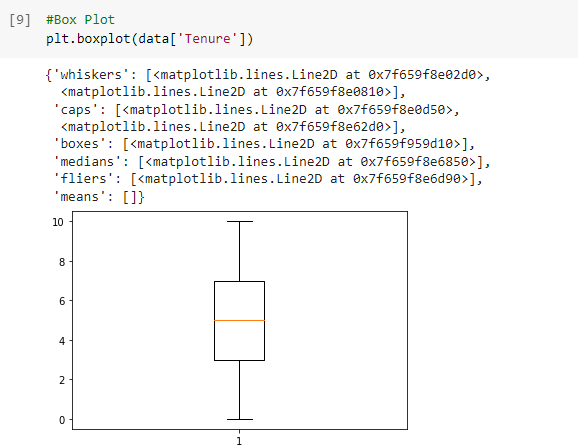
Load the Dataset:

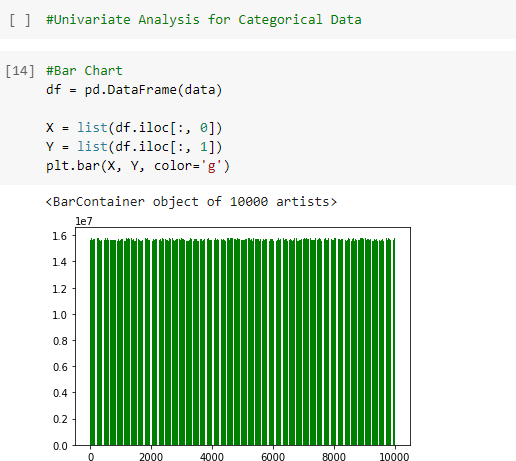


Question-3:

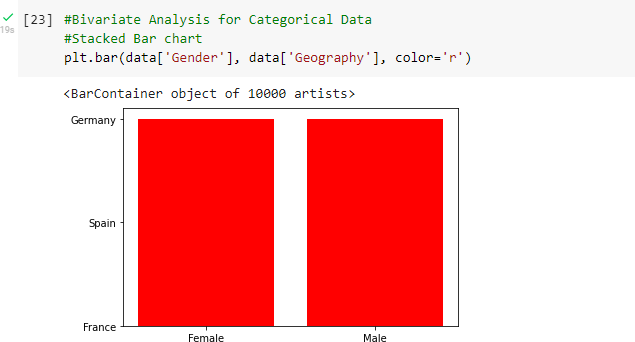
Perform Below Visualization: Univariate Analysis

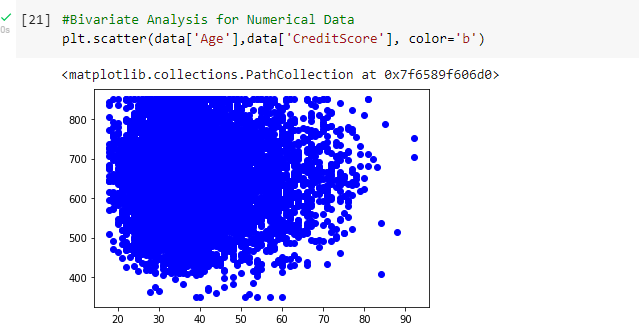


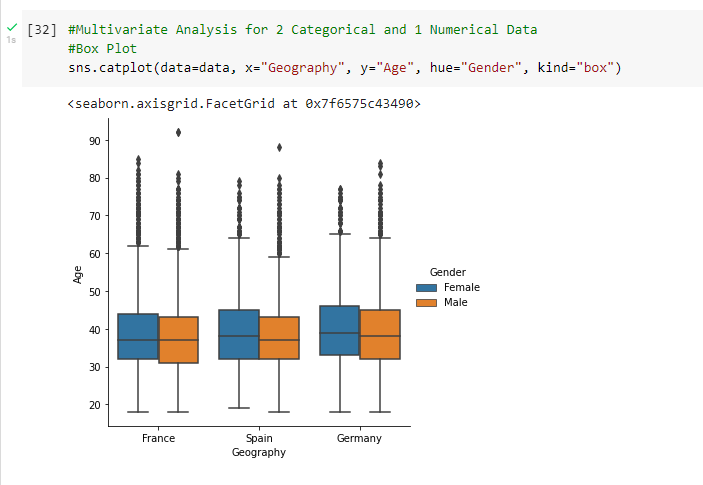
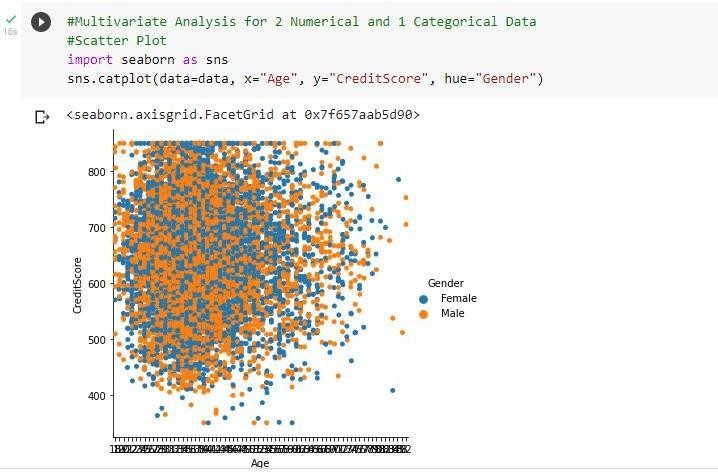


Bivariate Analysis



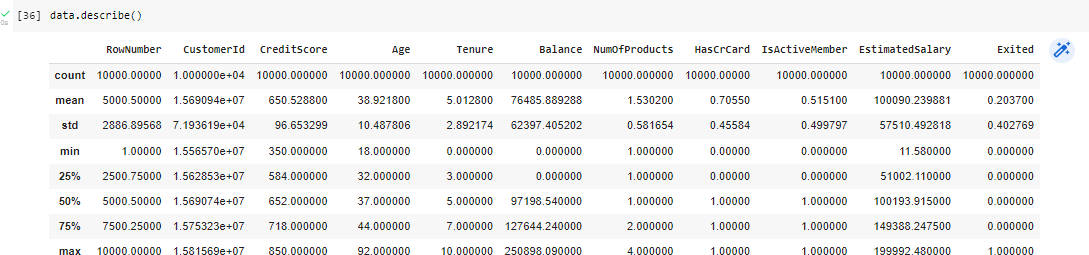
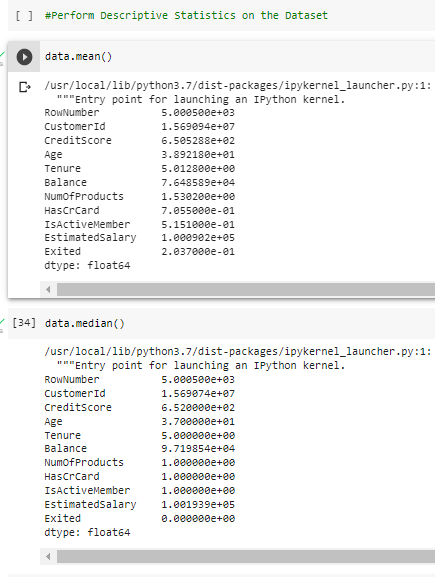


Multivariate Analysis



Question-4:

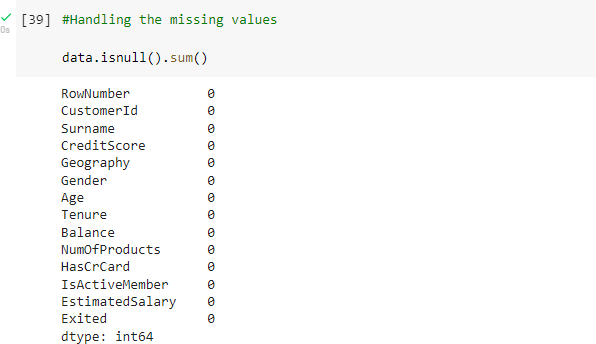
Perform Descriptive Statistics on the dataset:





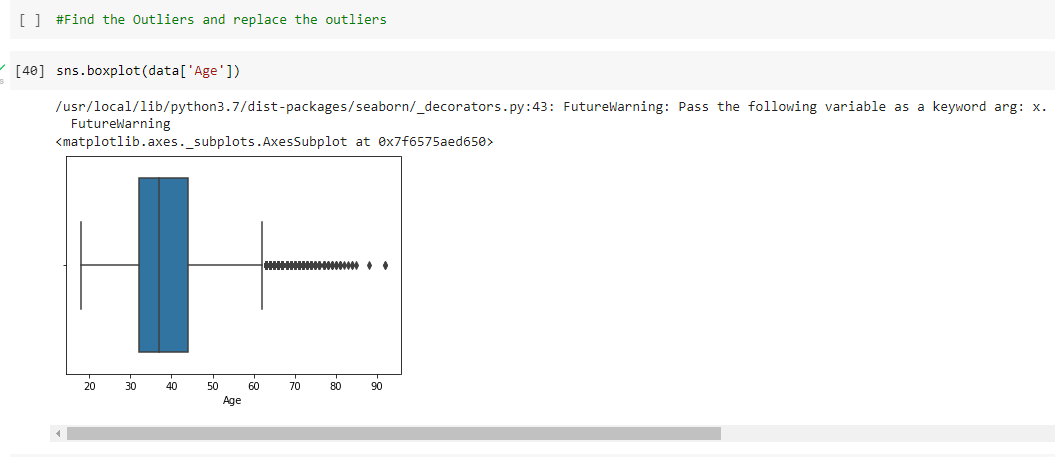
Question-5:

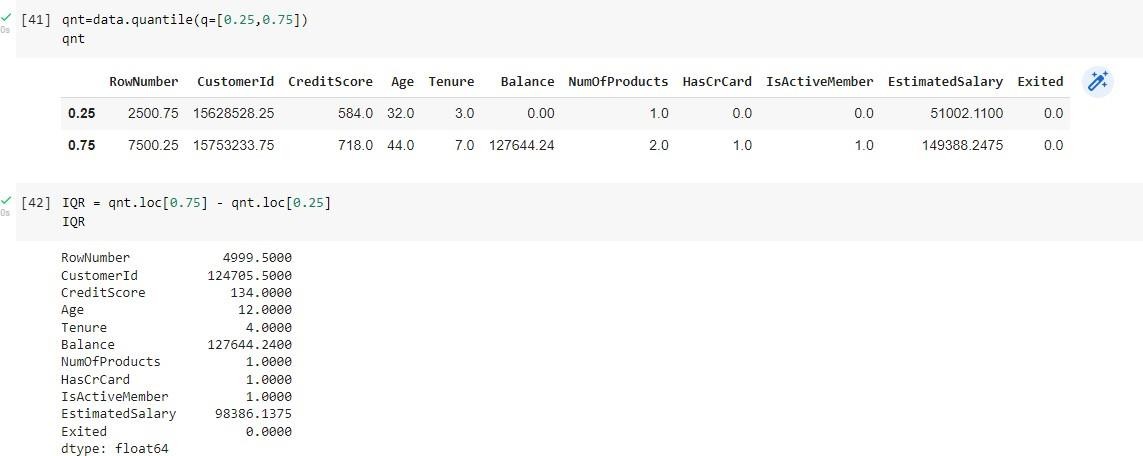
Handle the Missing values:

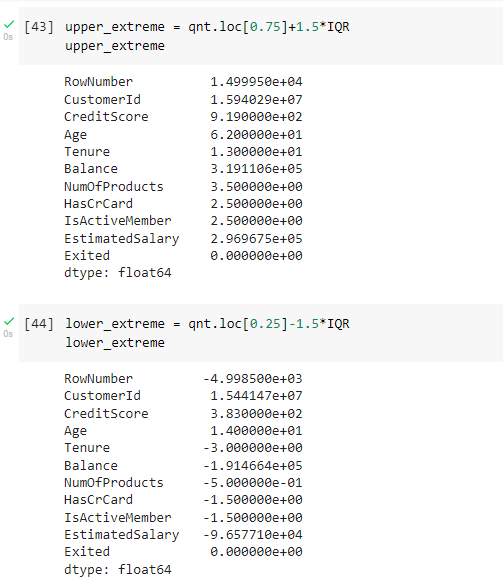


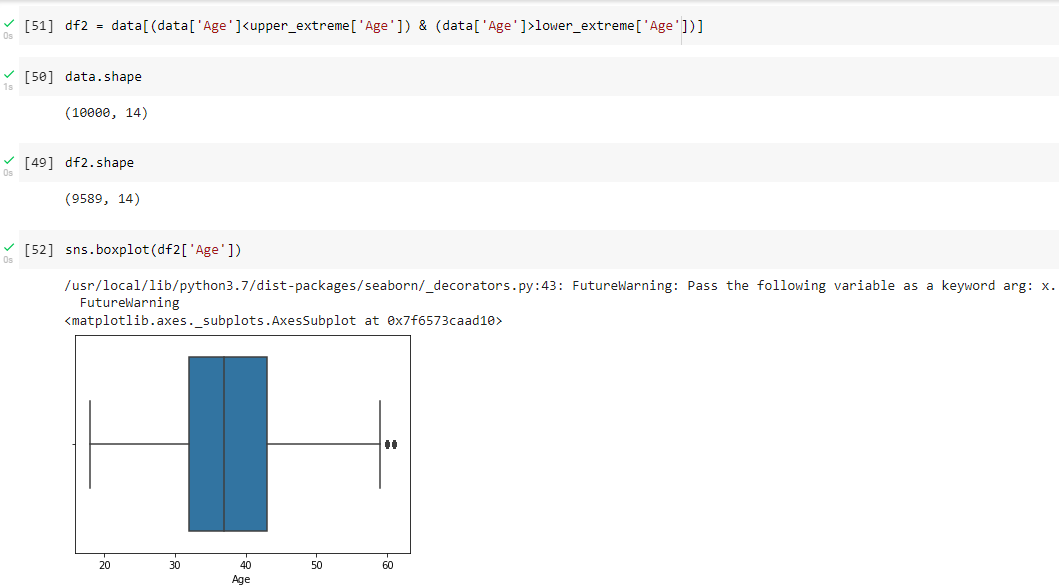
Question-6:

Find the outliers and replace the outliers:



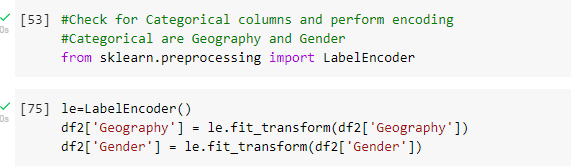






Question-7:

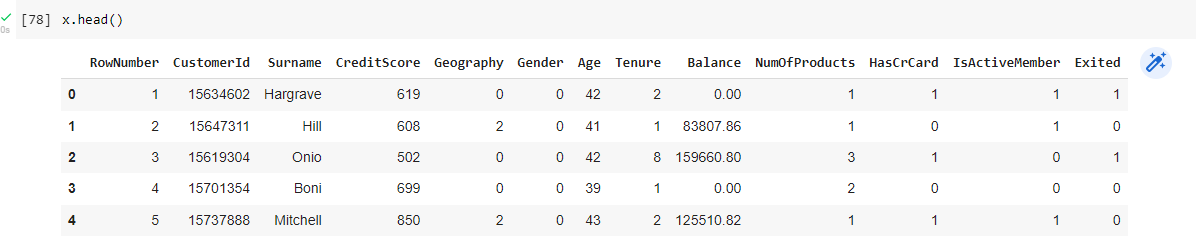
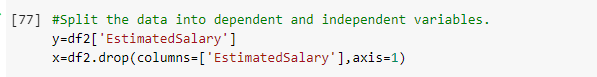
Check for Categorical columns and perform Encoding:





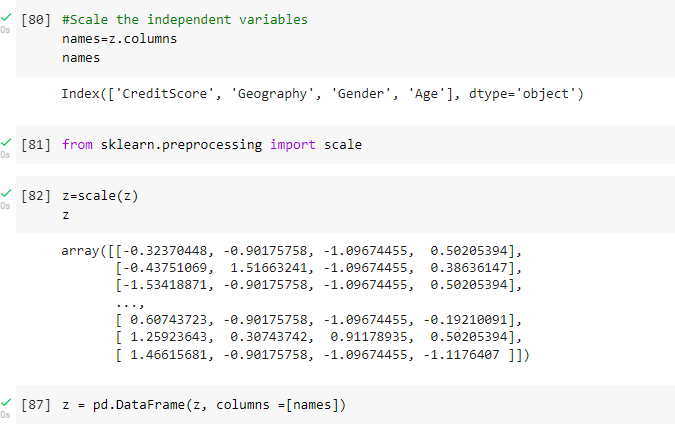
Question-8:

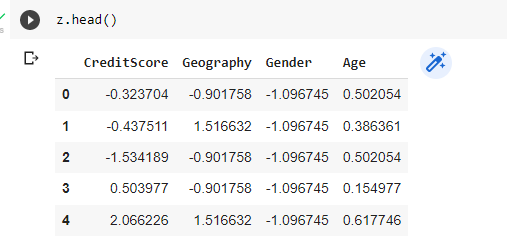
Split the data into dependent and independent variables:



Question-9:

Scale the independent variables:





Question-10:

Split the data into training and testing:

