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| Assignment Date | 21 September 2022 |
| Student Name | Ms. Ishwarya G K |
| Student Roll Number | 910619104029 |
| Maximum Marks |  |

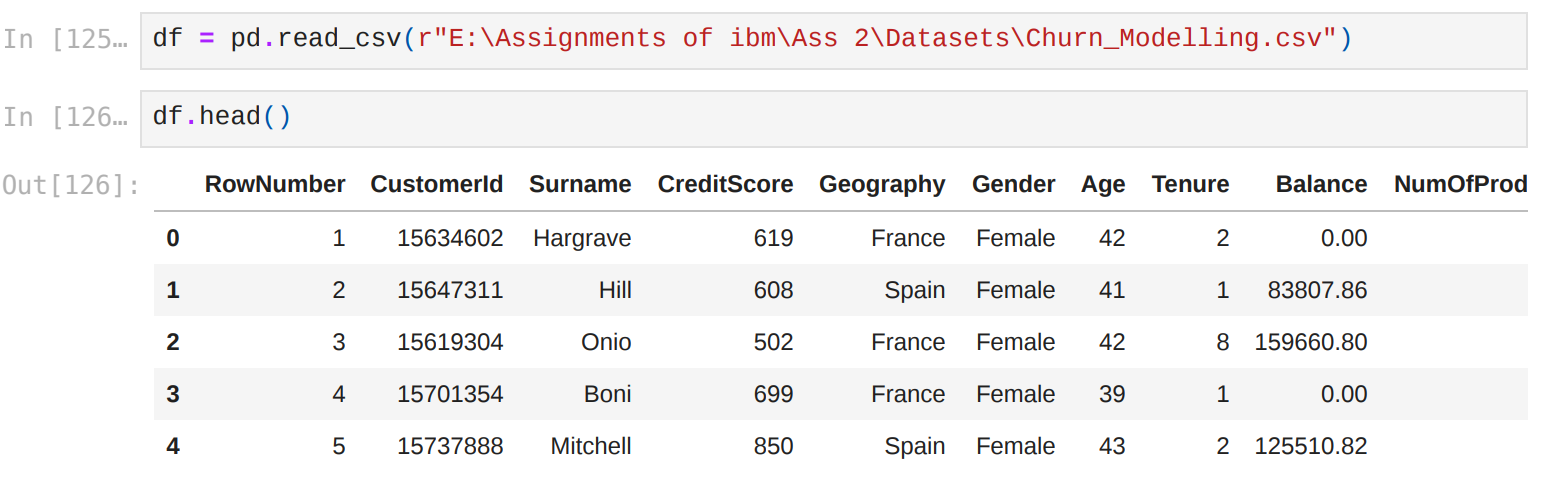
**ASSIGNMENT 2**

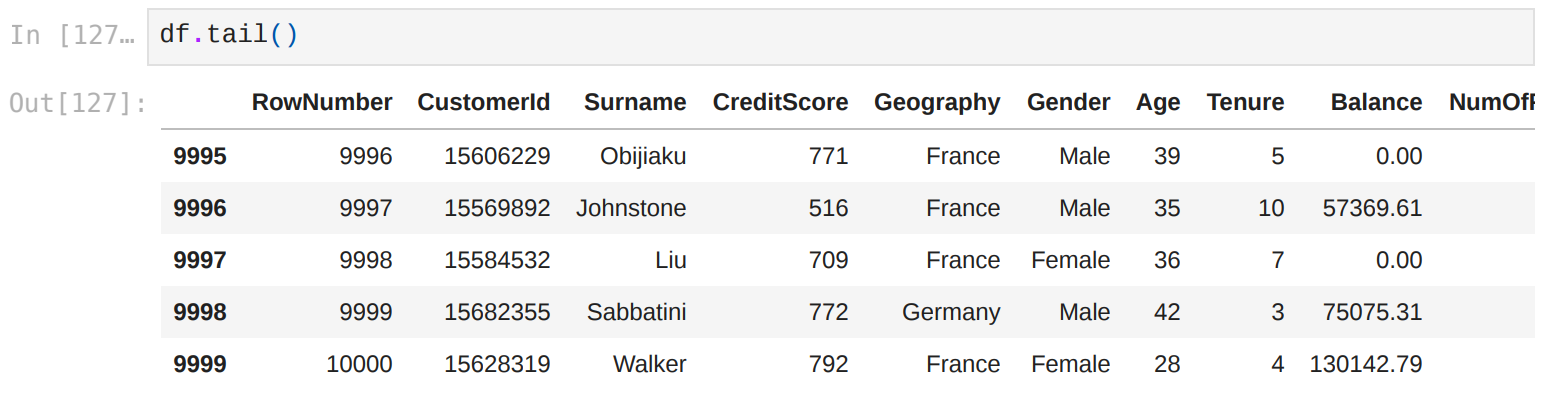
**Data Visualization and Pre-processing**

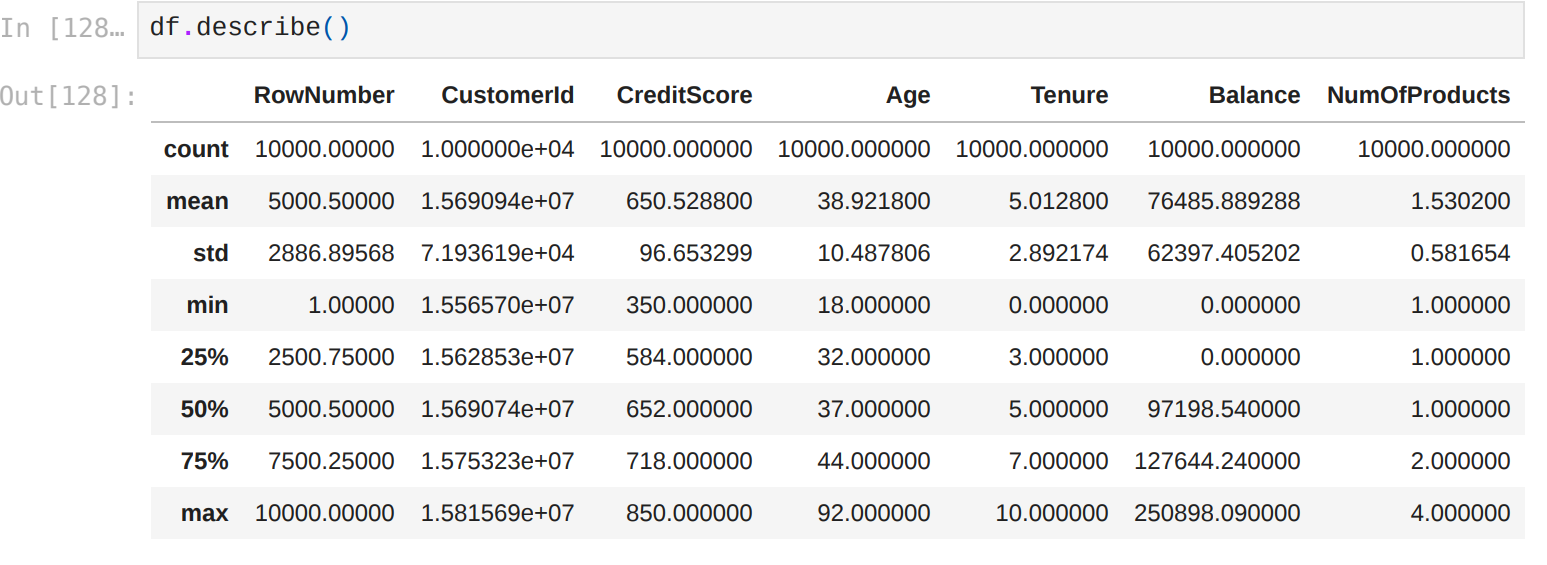
**1.Download the dataset:**

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**2. Load the dataset.**

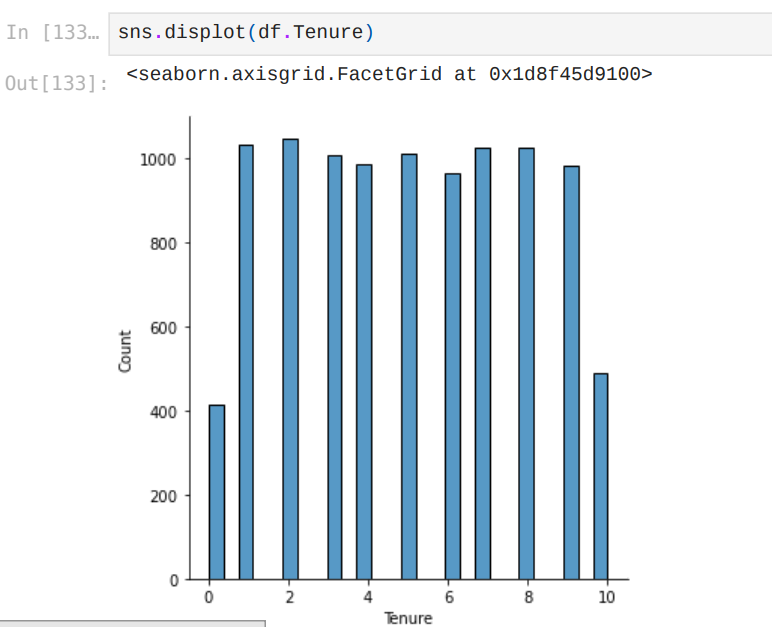
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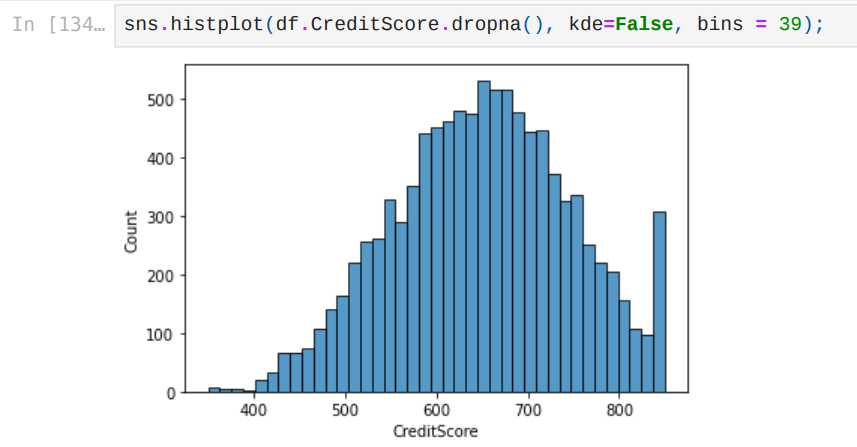
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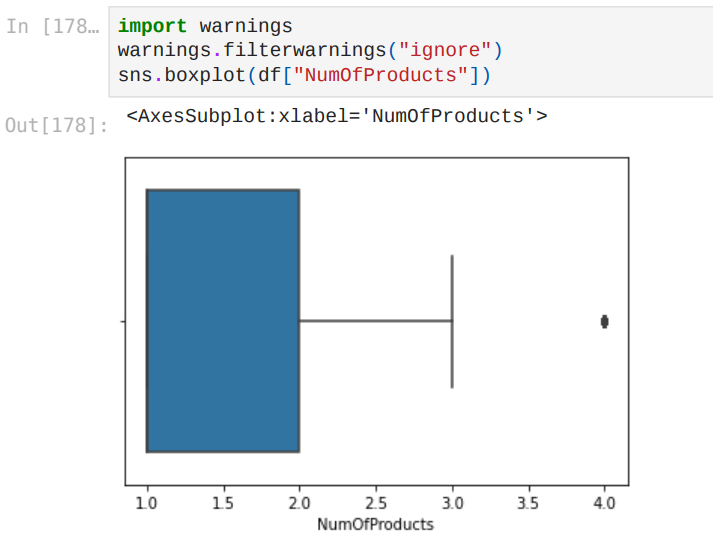
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**3. Perform Below Visualizations.**

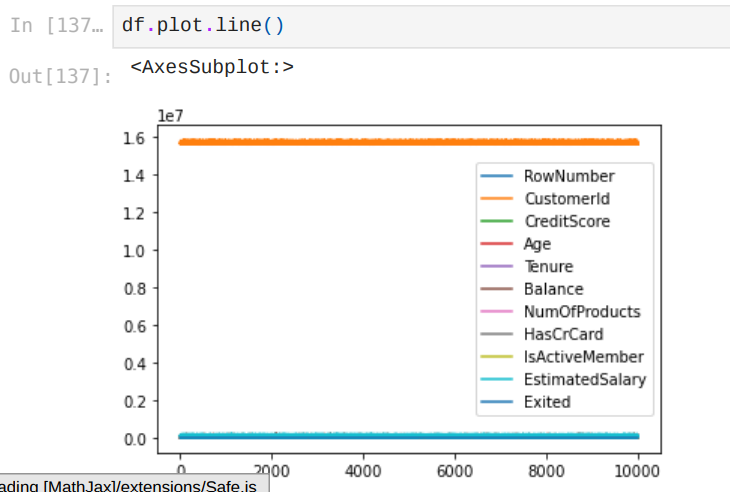
**Univariate Analysis:**

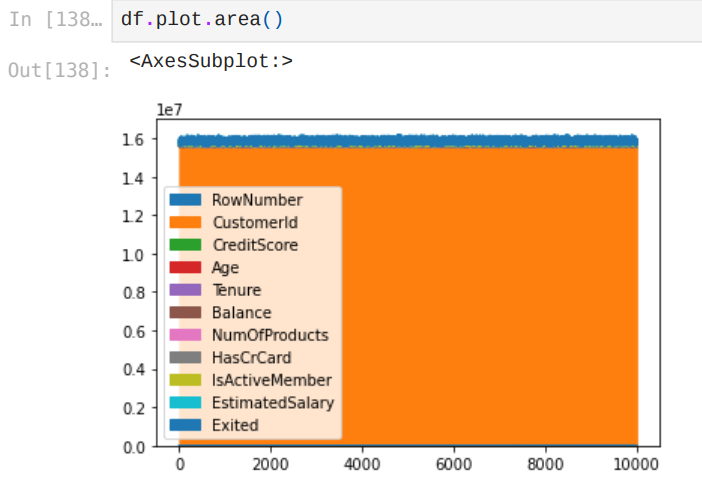
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**Bi - Variate Analysis:**

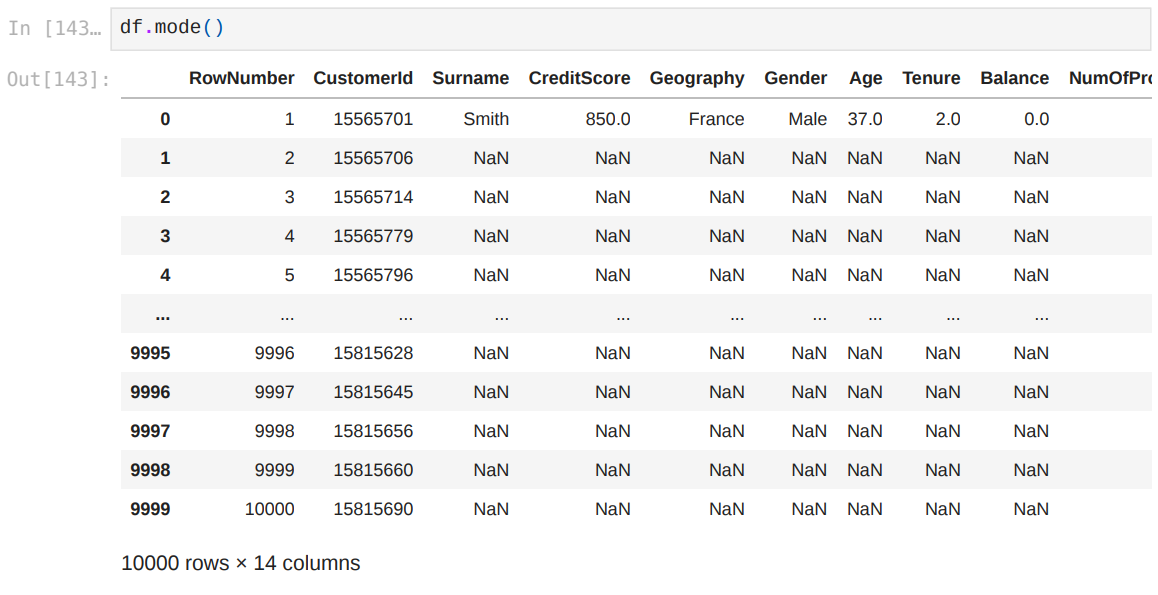
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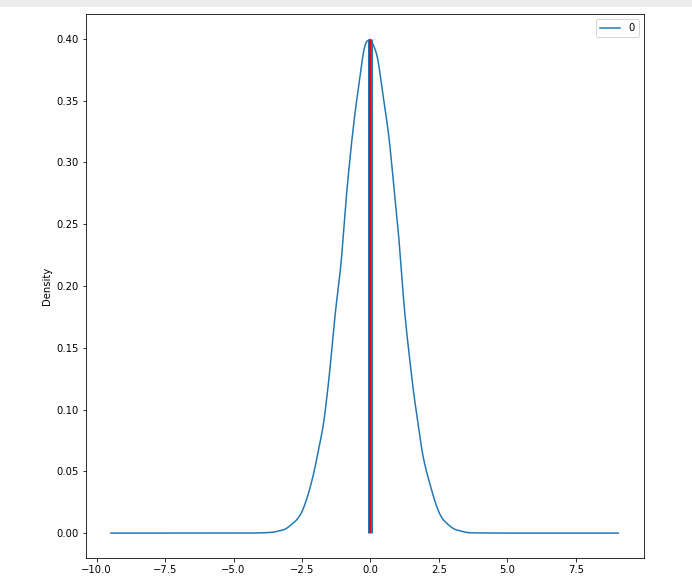
**Multi - Variate Analysis:**

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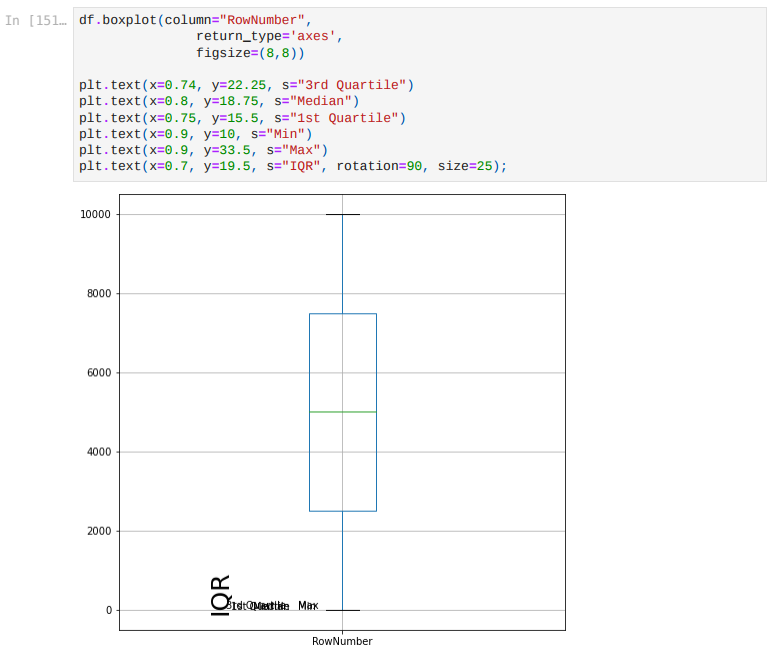
**4. Perform descriptive statistics on the dataset.**

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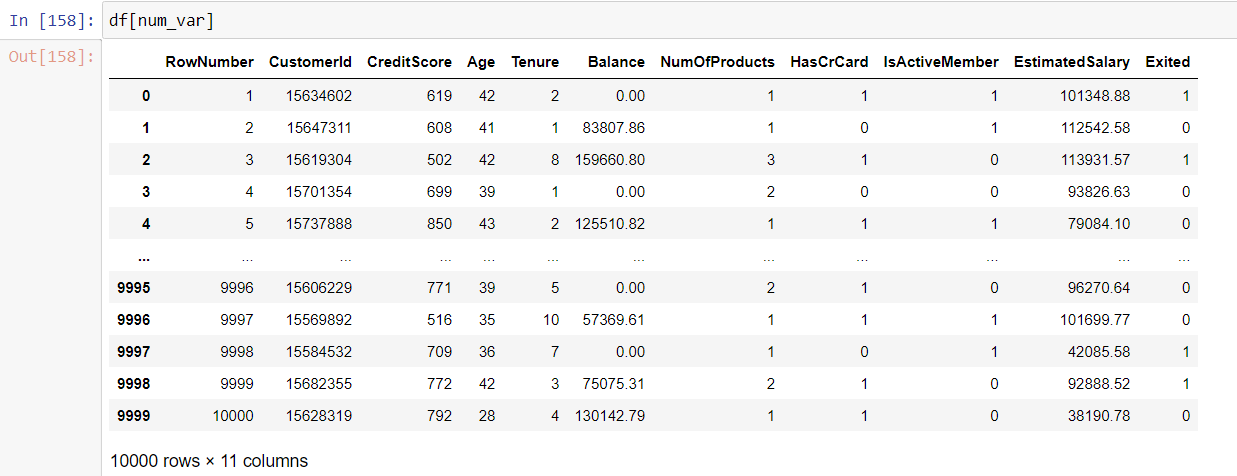
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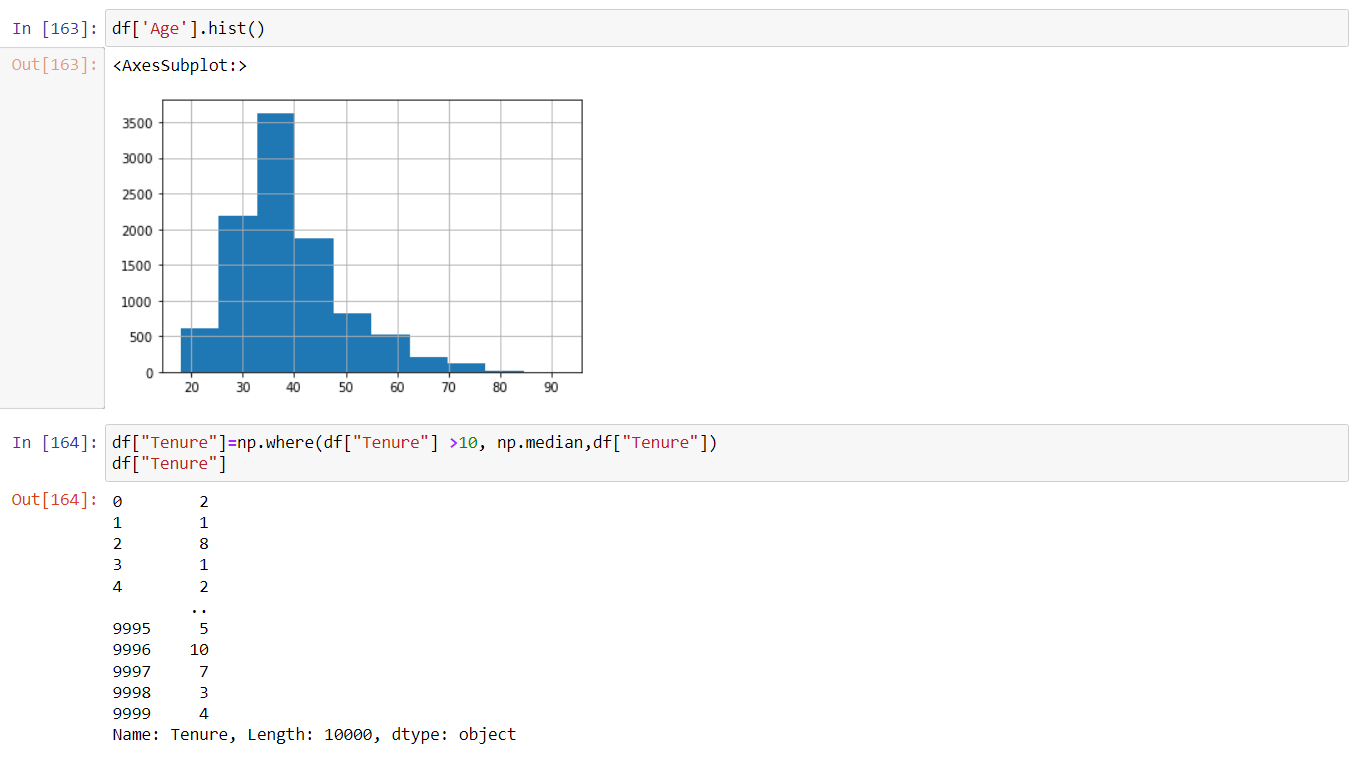
**5. Handle the Missing values.**

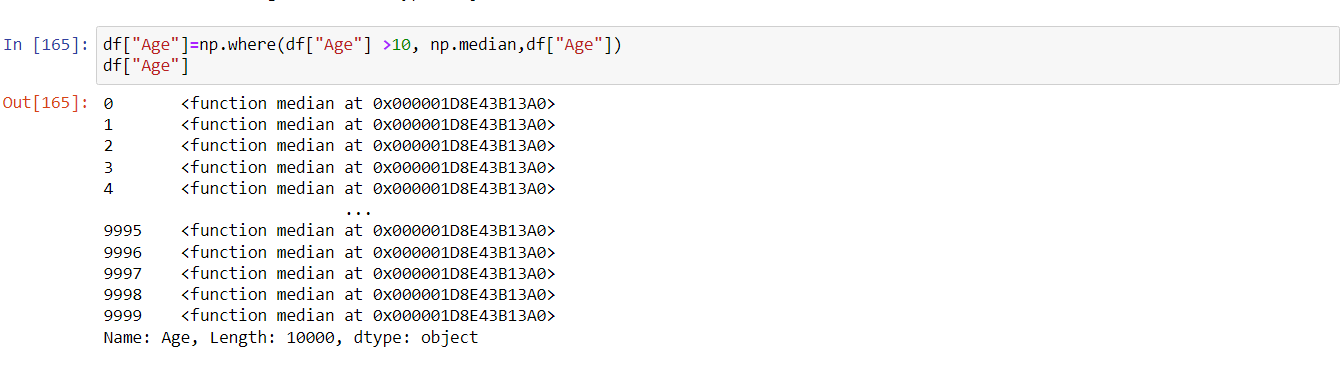
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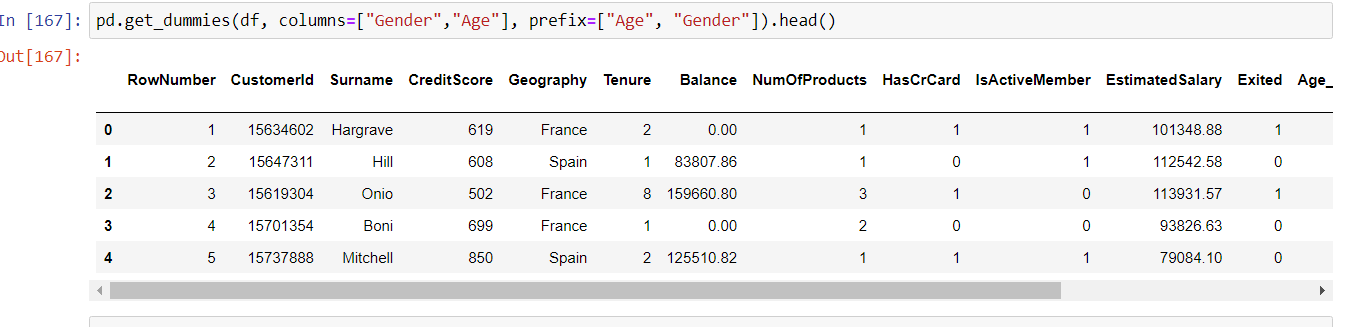
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**6. Find the outliers and replace the outliers**

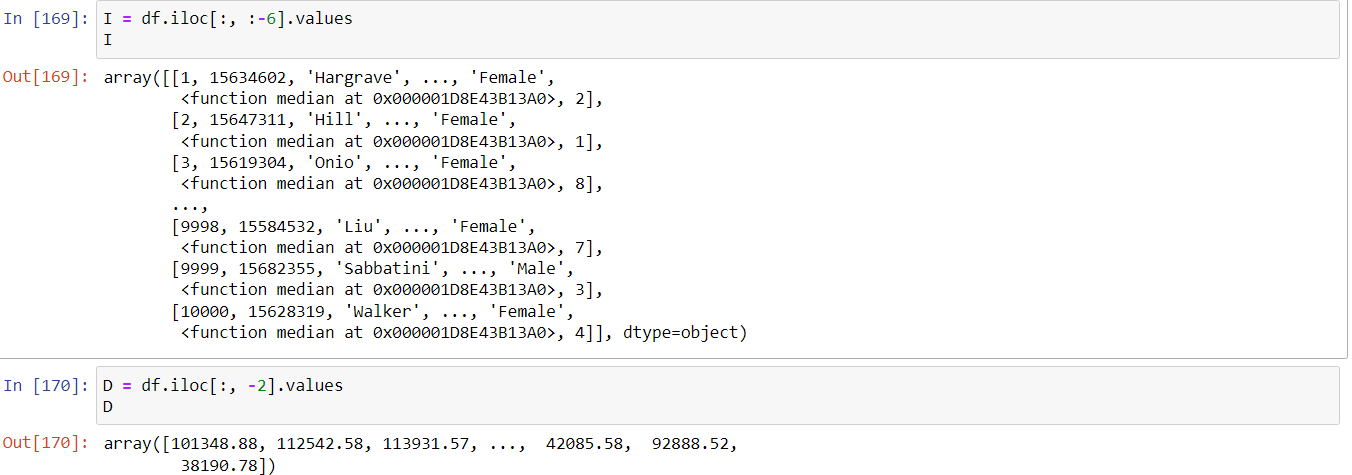
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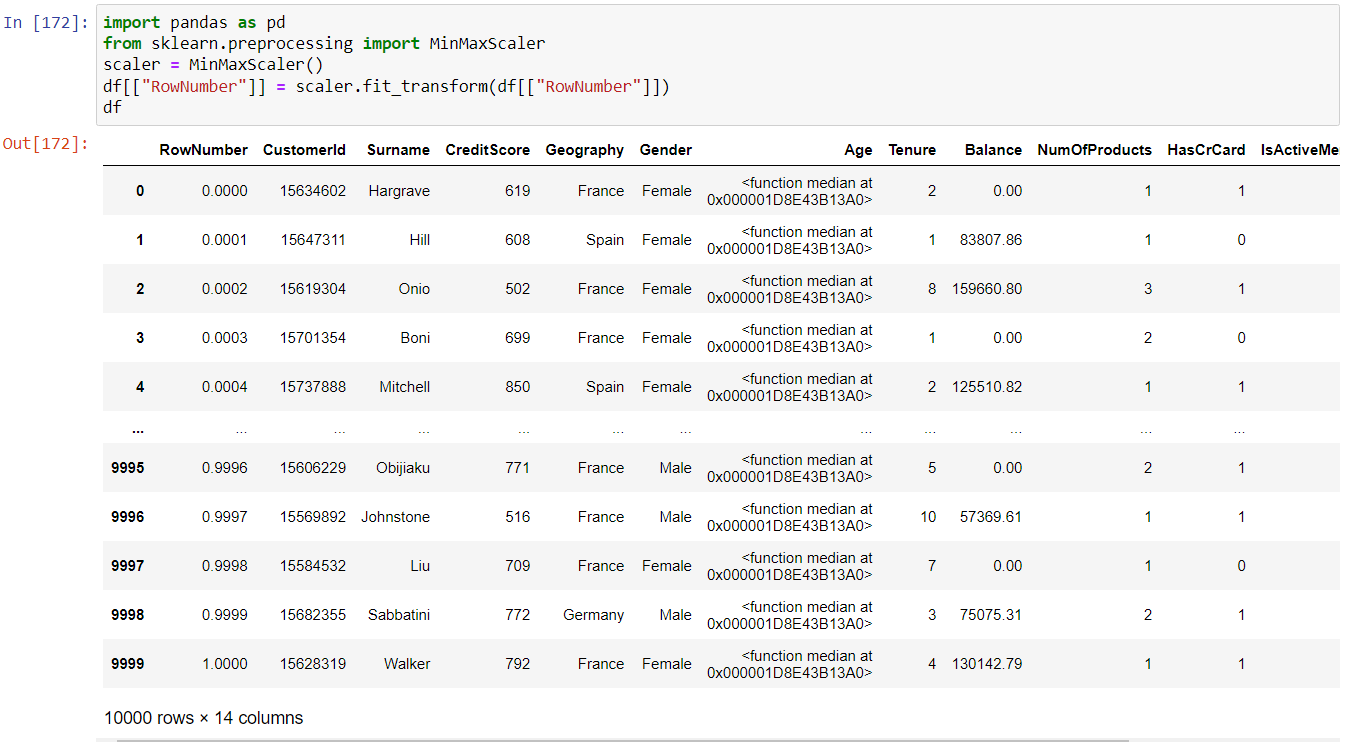
**7. Check for Categorical columns and perform encoding.**

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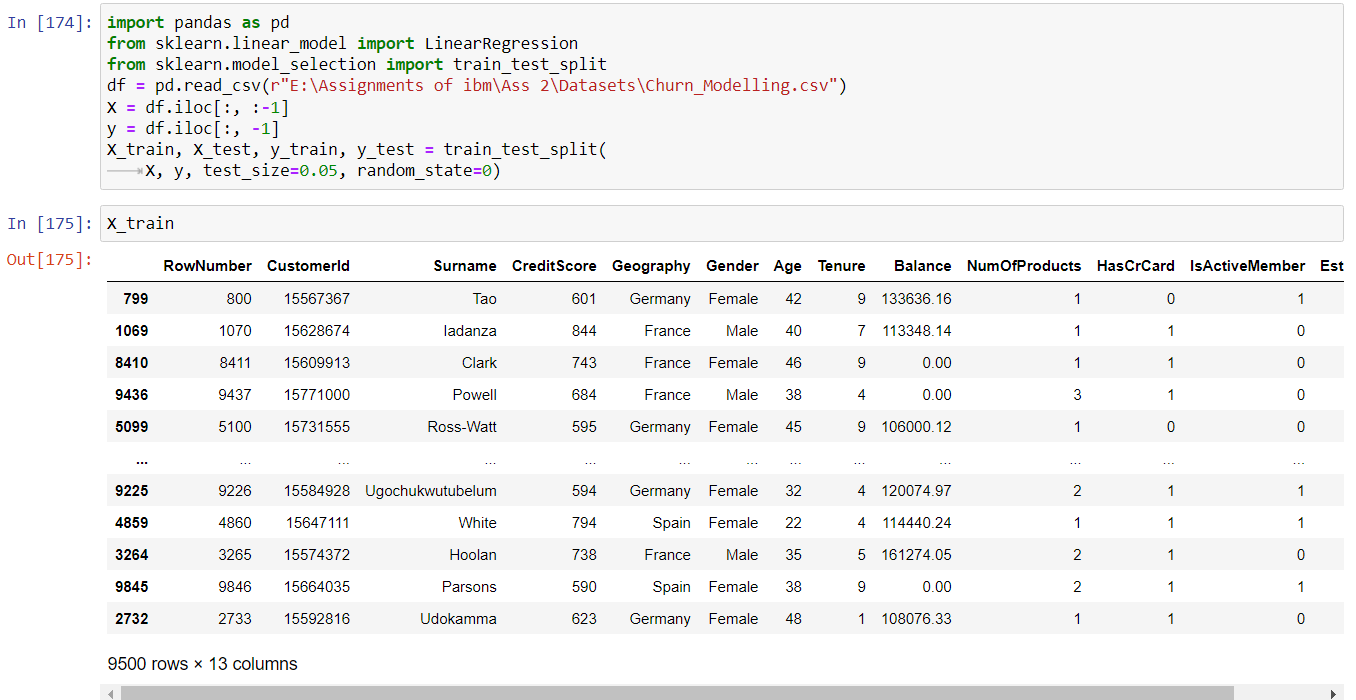
**8. Split the data into dependent and independent variables.**

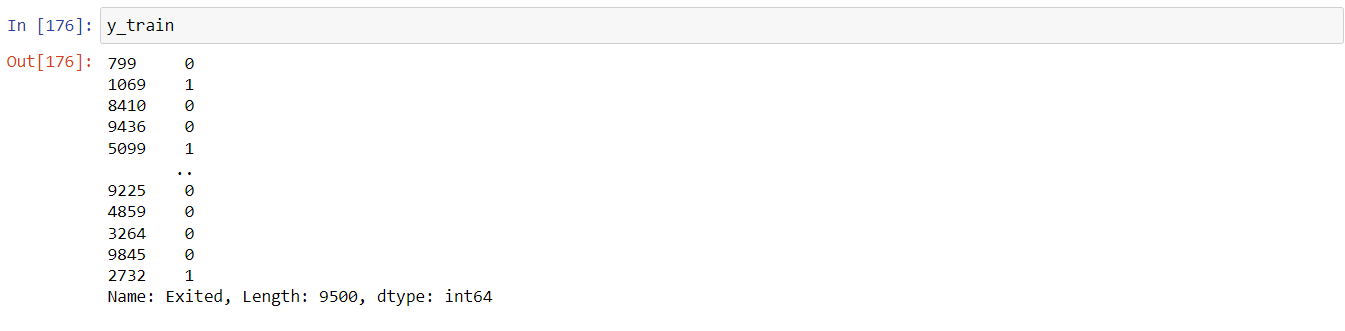
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**9. Scale the independent variables**

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**10. Split the data into training and testing**

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