Assignment -2

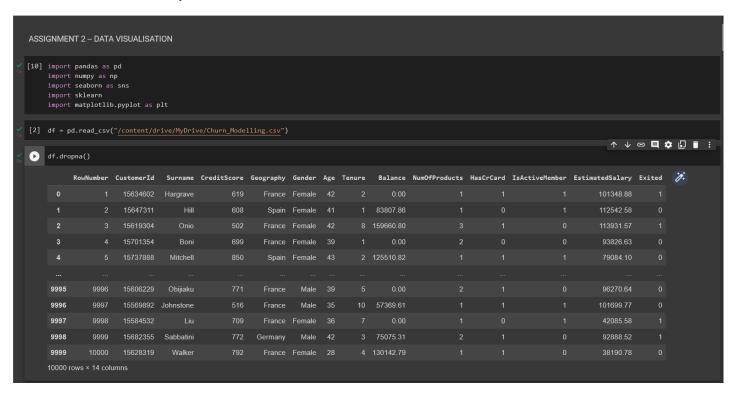
Data visualization

Assignment Date	23 September 2022
Student Name	Anirudh Sathya
Student Roll Number	2116190701019

Code:

 $https://colab.research.google.com/drive/1ffC8_O69YQaIRvca5O9phrDEnt38iAKI?usp=sharing\#scrollTo-OdInHPy6WjF6$

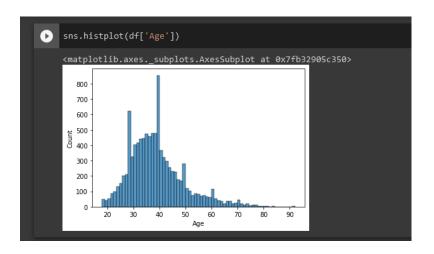
Download and import dataset



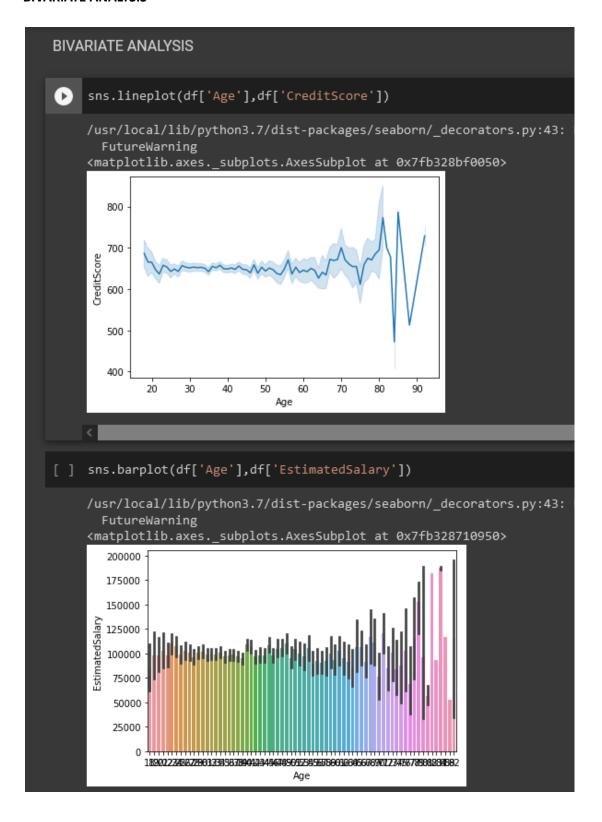
Perform Below Visualizations

UNIVARIATE ANALYSIS

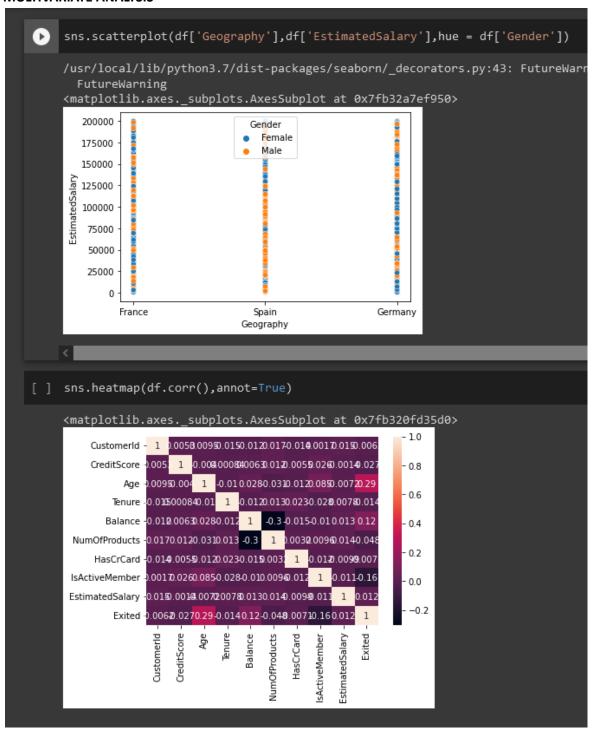




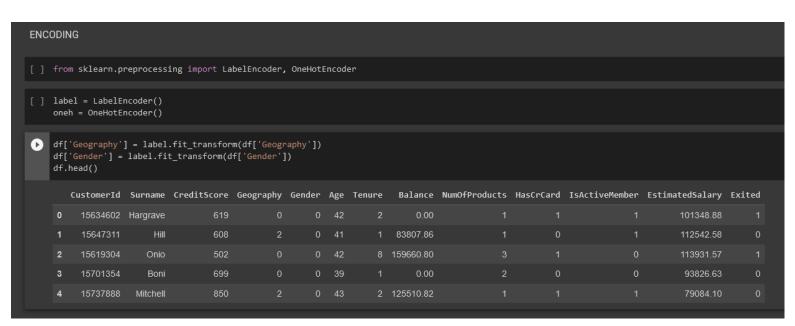
BIVARIATE ANALYSIS



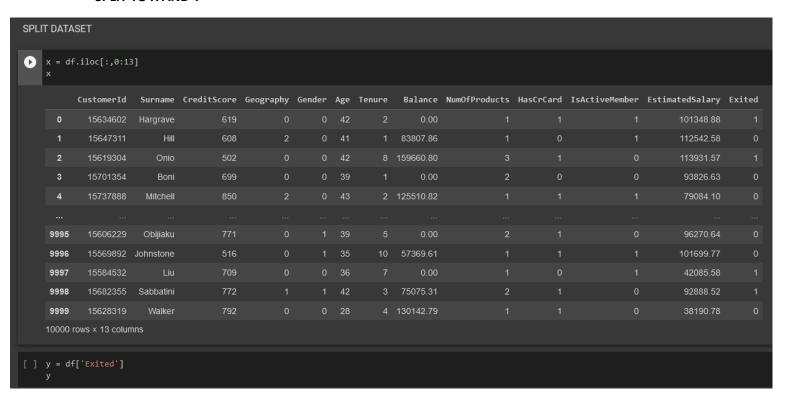
MULTIVARIATE ANALYSIS



ENCODING



SPLIT TO X AND Y



SCALING

```
Scaling

[ ] from sklearn.preprocessing import StandardScaler ss = StandardScaler() x_scale = ss.fit_transform(x.iloc[:,4:])

▶ x_scale

array([[-1.09598752, 0.29351742, -1.04175968, ..., 0.97024255, 0.02188649, 1.97716468], [-1.09598752, 0.19816383, -1.38753759, ..., 0.97024255, 0.21653375, -0.50577476], [-1.09598752, 0.29351742, 1.03290776, ..., -1.03067011, 0.2406869, 1.97716468], [-1.09598752, -0.27860412, 0.68712986, ..., 0.97024255, -1.00864308, 1.97716468], [0.91241915, 0.29351742, -0.69598177, ..., -1.03067011, -0.12523071, 1.97716468], [-1.09598752, -1.041423285, -0.35020386, ..., -1.03067011, -1.07636976, -0.50577476]])
```

TRAIN TEST SPLIT

