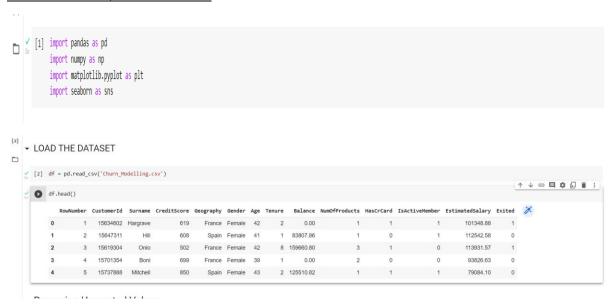
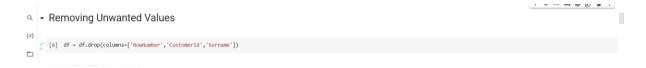
DATE	28/09/2022
TEAM ID	PNT2022TMID27851
STUDENT NAME	SWAATHI CM
DOMAIN NAME	HEALTH CARE
PROJECT NAME	EARLY DETECTION
	OF CHRONIC
	KIDNEY DISEASE
	USING MACHINE
	LEARNING
MAXIMUM MARKS	2 MARKS

LOAD THE DATASET

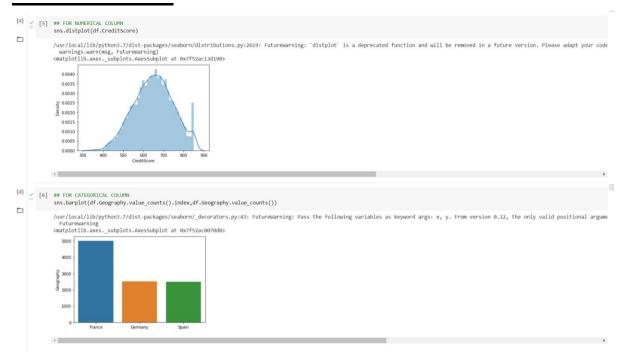
IMPORT THE REQUIRED LIBRARIES



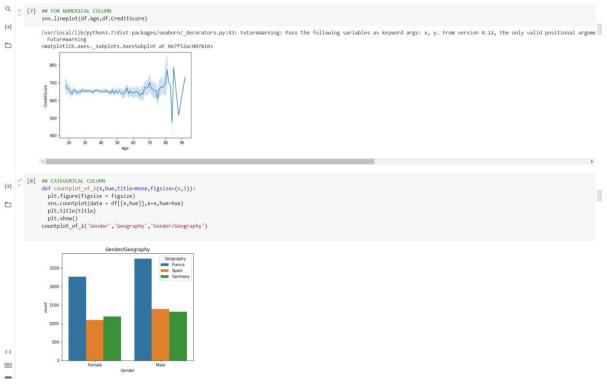
PERFORM VISUALIZATIONS



UNIVARIATE

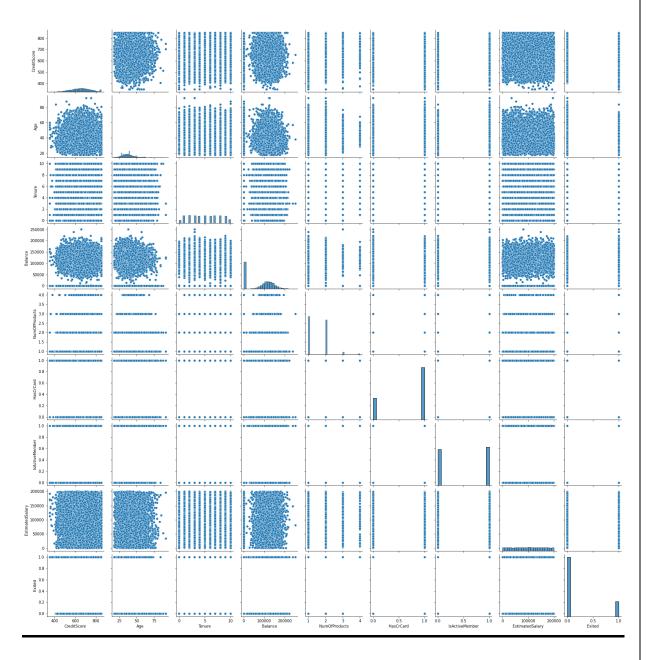


• **BIVARIATE**



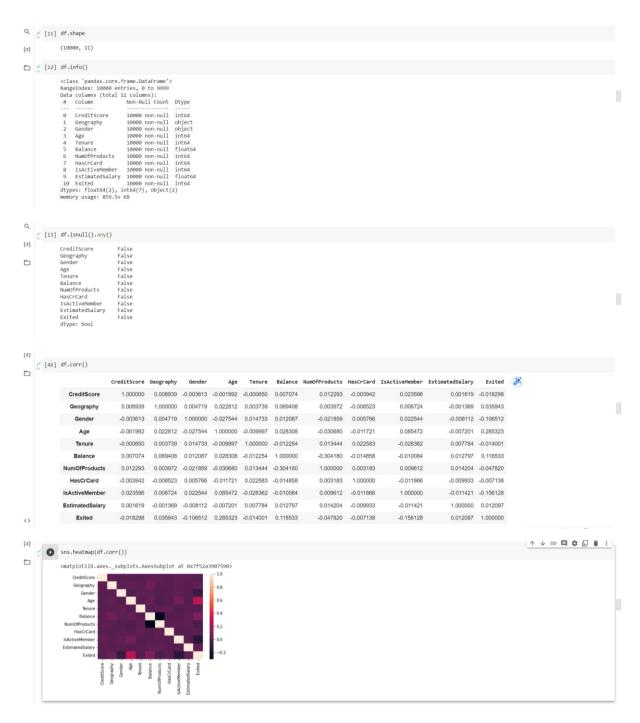
• MULTIVARIATE



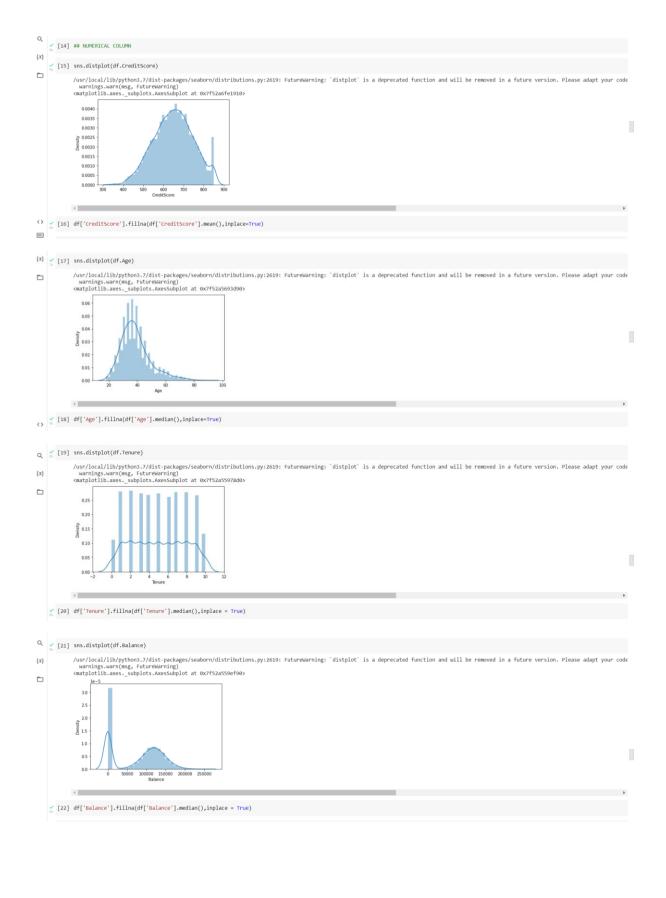


PERFORM DESCRIPTIVE ANALYSIS ON THE DATASET

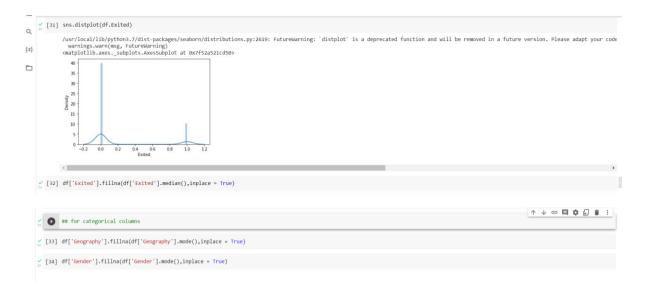
	CreditScore	Age	Tenure	Balance	NumOfProducts	HasCrCard	IsActiveMember	EstimatedSalary	Exited	i.
count	10000.000000	10000.000000	10000.000000	10000.000000	10000.000000	10000.00000	10000.000000	10000.000000	10000.000000	
mean	650.528800	38.921800	5.012800	76485.889288	1.530200	0.70550	0.515100	100090.239881	0.203700	
std	96.653299	10.487806	2.892174	62397.405202	0.581654	0.45584	0.499797	57510.492818	0.402769	
min	350.000000	18.000000	0.000000	0.000000	1.000000	0.00000	0.000000	11.580000	0.000000	
25%	584.000000	32.000000	3.000000	0.000000	1.000000	0.00000	0.000000	51002.110000	0.000000	
50%	652.000000	37.000000	5.000000	97198.540000	1.000000	1.00000	1.000000	100193.915000	0.000000	
75%	718.000000	44.000000	7.000000	127644.240000	2.000000	1.00000	1.000000	149388.247500	0.000000	



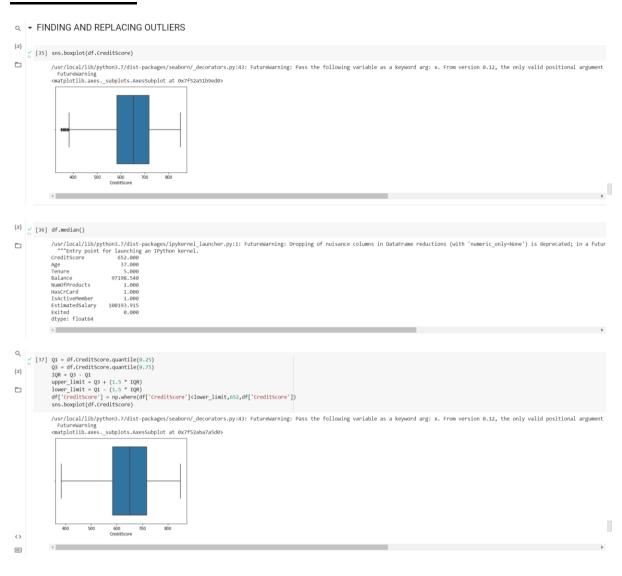
HANDLE THE MISSING VALUES



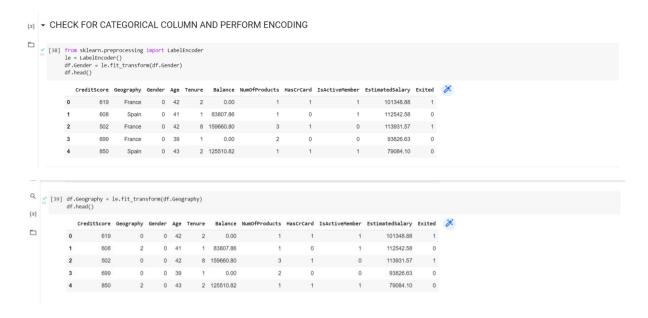
 $\{x\}$ $\underset{\mbox{\tiny (a)}}{\checkmark}$ [23] sns.distplot(df.NumOfProducts) /usr/local/lib/python3.7/dist-packages/seaborn/distributions.py:2619: FutureWarning: 'distplot' is a deprecated function and will be removed in a future version. Please adapt your code warnings.warn(msg, FutureWarning)
cmatplotlib.axes._subplots.AxesSubplot at 0x7f52a544e690> Q [25] sns.distplot(df.HasCrCard) /usr/local/lib/python3.7/dist-packages/seaborn/distributions.py:2619: FutureWarning: `distplot` is a deprecated function and will be removed in a future version. Please adapt your code warnings.warn(msg, FutureWarning)
cmatplotlib.axes._subplots.AxesSubplot at 0x7f52a6fbc810> $\{x\}$ [26] df['HasCrCard'].fillna(df['HasCrCard'].median(),inplace = True) Q 💆 [27] sns.distplot(df.IsActiveMember) /usr/local/lib/python3.7/dist-packages/seaborn/distributions.py:2619: FutureWarning: `distplot` is a deprecated function and will be removed in a future version. Please adapt your code warnings.warn(msg, FutureWarning)
camploillib.axes.subplots.AxesSubplot at 0x7f52a531b450> {x} [28] df['IsActiveMember'].fillna(df['IsActiveMember'].median(),inplace = True) {x} [29] sns.distplot(df.EstimatedSalary) /usr/local/lib/python3.7/dist-packages/seaborn/distributions.py:2619: FutureWarning: 'distplot' is a deprecated function and will be removed in a future version. Please adapt your code warnings.warn(msg, FutureWarning)
cmatplotlib.axes._subplots.AxesSubplot at 0x7f52a5291e90> Density



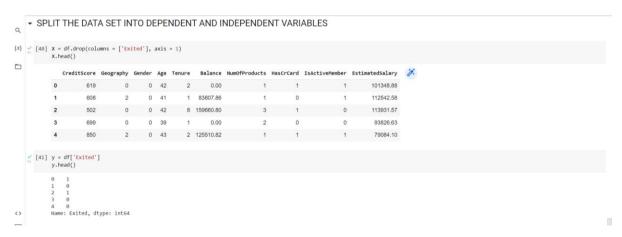
FIND THE OUTLIERS AND REPLACE THE OUTLIERS



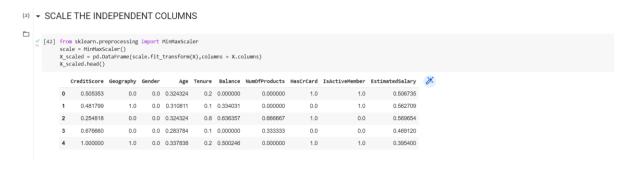
CHECK FOR CATEGORICAL COLUMNS AND PERFORM ENCODING



SPLIT THE DATA INTO DEPENDENT AND INDEPENDENT VARIABLES



SCALE THE INDEPENDENT VARIABLES



SPLIT THE DATA INTO TRAINING AND TESTING

