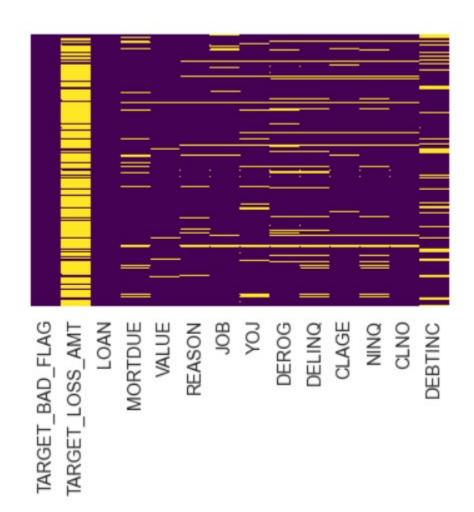
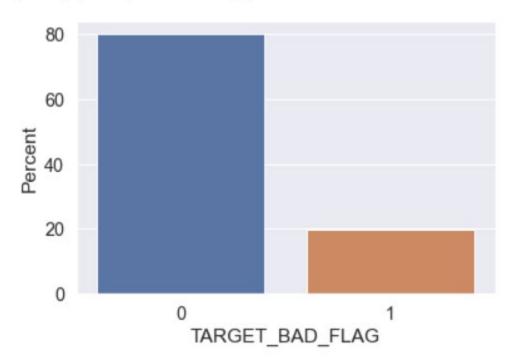
Introduction: Exploratory data analysis of past data set containing Home Equity Loans. The data set contains two target variables. The first target, TARGET_BAD_FLAG indicates whether or not the loan defaulted. If the value is set to 1, then the loan went bad and the bank lost money. If the value is set to 0, the loan was repaid.

The second target, TARGET_LOSS_AMT, indicates the amount of money that was lost for loans that went bad. The remaining variables contain information about the customer at the time that the loan was issued.

The below descriptive statistics shows:

	count		mean		sto	ı	min	\
TARGET_BAD_FLAG	5960.0		0.199497		0.399656	5 0	.000000	
TARGET LOSS AMT	1189.0	1341	4.576955	1083	9.455965	224	.000000	
LOAN	5960.0	1860	7.969799	1120	7.480417	1100	.000000	
MORTDUE	5442.0	7376	0.817200	4445	7.609458	2063	.000000	
VALUE	5848.0	10177	6.048741	5738	35.775334	8000	.000000	
YOJ	5445.0		8.922268		7.573982	0	.000000	
DEROG	5252.0		0.254570		0.846047	7 0	.000000	
DELINQ	5380.0		0.449442		1.127266	6 0	.000000	
CLAGE	5652.0	17	9.766275	8	85.810092	0.	.000000	
NINQ	5450.0		1.186055		1.728675	6 0	.000000	
CLNO	5738.0	2	1.296096	1	.0.138933	8 0	.000000	
DEBTINC	4693.0	3	3.779915		8.601746	5 0	.524499	
		25%		50%		75%		max
TARGET_BAD_FLAG				0000		000000		.000000
TARGET_LOSS_AMT	5639.0	00000	11003.00	0000	17634	000000		.000000
LOAN	11100.0		16300.00			000000		.000000
MORTDUE	46276.0		65019.00			000000		.000000
VALUE	66075.5		89235.50			250000		.000000
YOJ		00000		0000		000000		.000000
DEROG	0.0	00000	0.00	0000	0.	000000		.000000
DELINQ	0.0	00000	0.00	0000	0.	000000	15	.000000
CLAGE	115.1	16702	173.46	6667	231	562278	1168	.233561
NINQ	0.0	00000	1.00	0000	2.	000000	17	.000000
CLNO	15.0	00000	20.00	0000	26	000000	71	.000000
DEBTINC	29.1	40031	34.81	8262	39.	003141	203	.312149

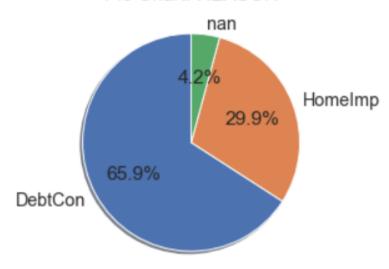




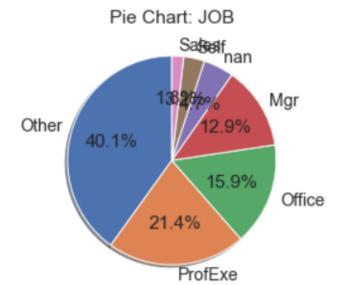
DebtCon 3928 HomeImp 1780 NaN 252

Name: REASON, dtype: int64 ['DebtCon', 'HomeImp', nan] [3928, 1780, 252]

Pie Chart: REASON



```
Other
          2388
ProfExe
          1276
Office
           948
           767
Mgr
NaN
           279
Self
           193
Sales
           109
Name: JOB, dtype: int64
['Other', 'ProfExe', 'Office', 'Mgr', nan, 'Self', 'Sales']
[2388, 1276, 948, 767, 279, 193, 109]
```



The pie chart shows how the categorical values are split in the dataset.

Exploratory Data Analysis of the HMEQ dataset



