Data introducton

Target

Interest Rates

Categorical

- Loan Purpose
- State
- Home Ownership

Our dataset:

- 2200 rows
- 14 columns
- https://www.kaggle.com/prashanthsri1
 2/bank-loan-interest-rate-dataset

Numerical

- ID
- Amount Requested
- Amount Funded By Investors
- Loan Length
- Debt To Income Ratio
- Monthly Income
- Inquiries in the Last 6 Months
- FICO
- Open CREDIT Lines
- Revolving CREDIT Balance

Pre-processing

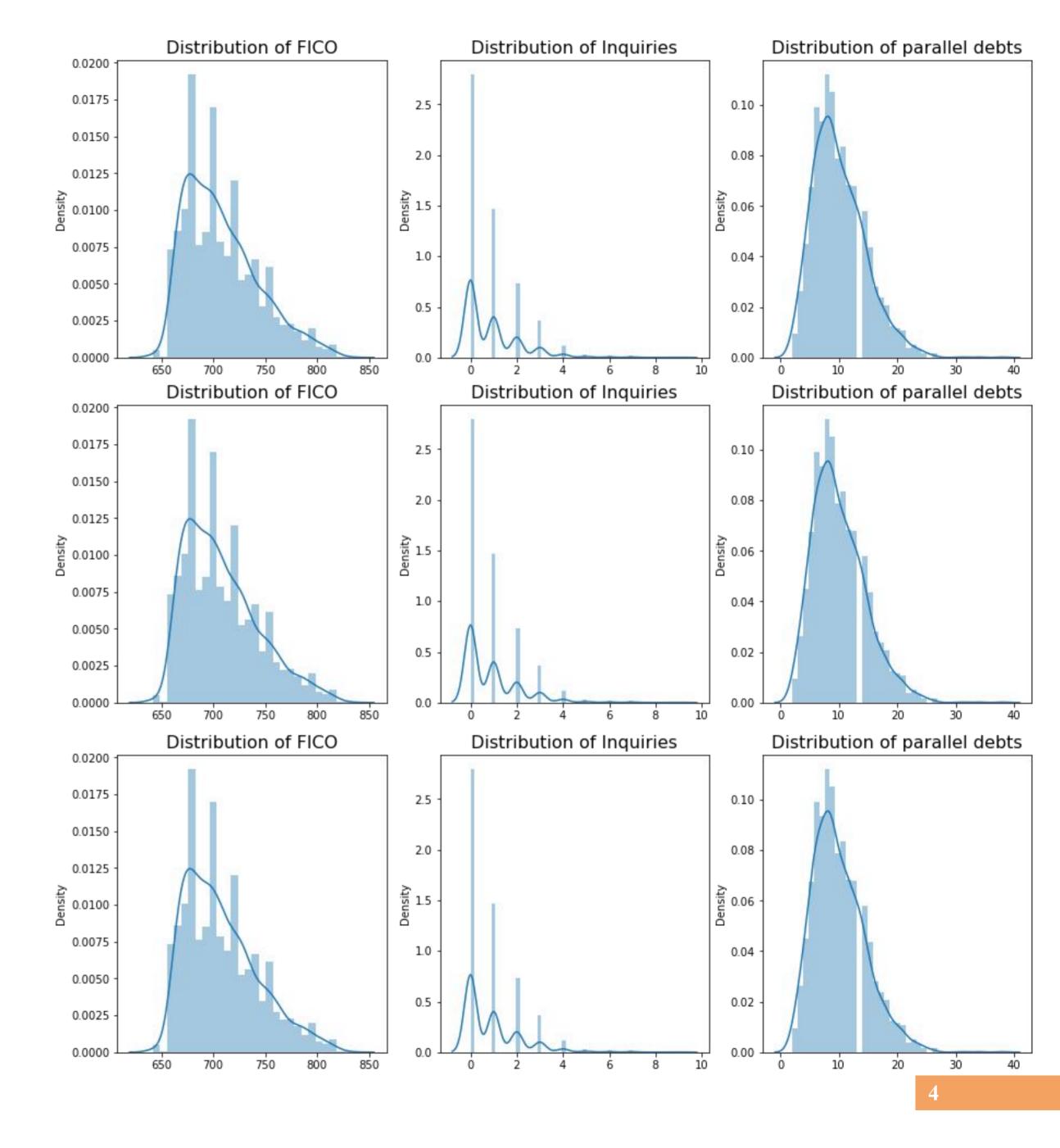


- Omit N/A values (14 rows)
- Convert data formats

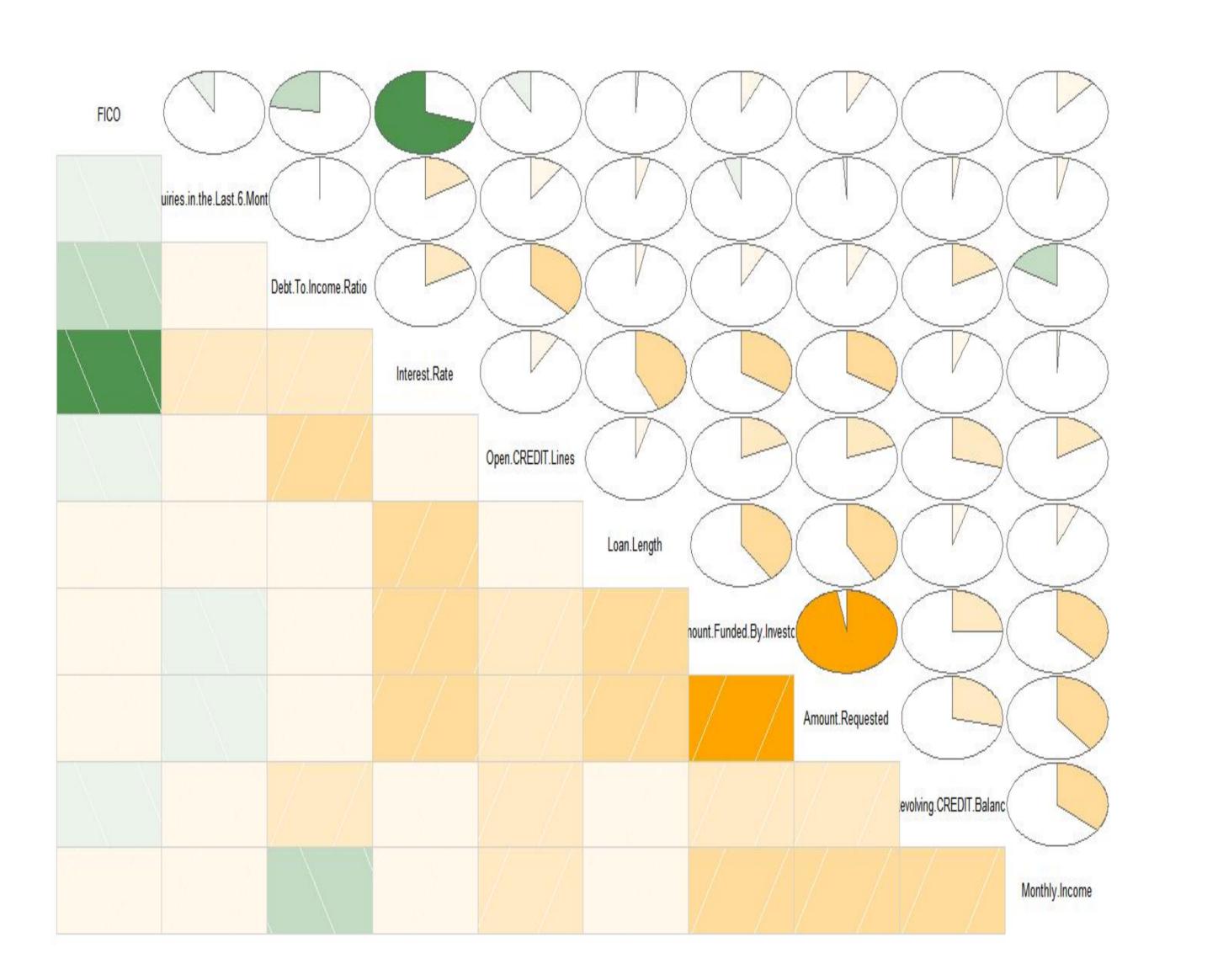
Convert characters of the data frame to numeric.

Covert category variables into dummy variables

Standardization

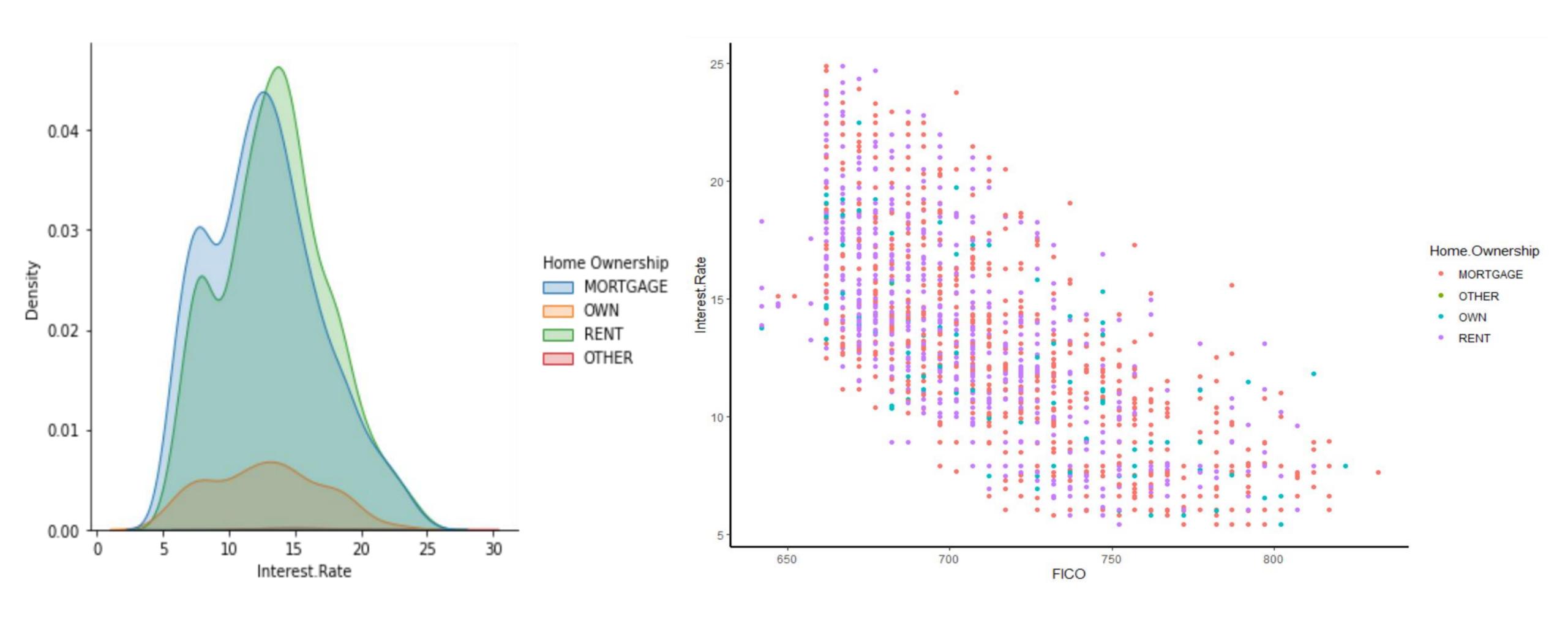


Correlation Matrix for all numeric variables



0.97

-0.71



Difference =
Amount Requested Amount Funded by
Investors

