Prediction of Amazon Best Seller Book Prices 2010-2021

Model Motivation

What factors can be used to predict price of a book in Amzon.com ?

Feature Investigation

1.Price

2.Rating

3.Customers rated

4.Year

5.Genre

Cleaning the data

- Duplicates

- NULL values

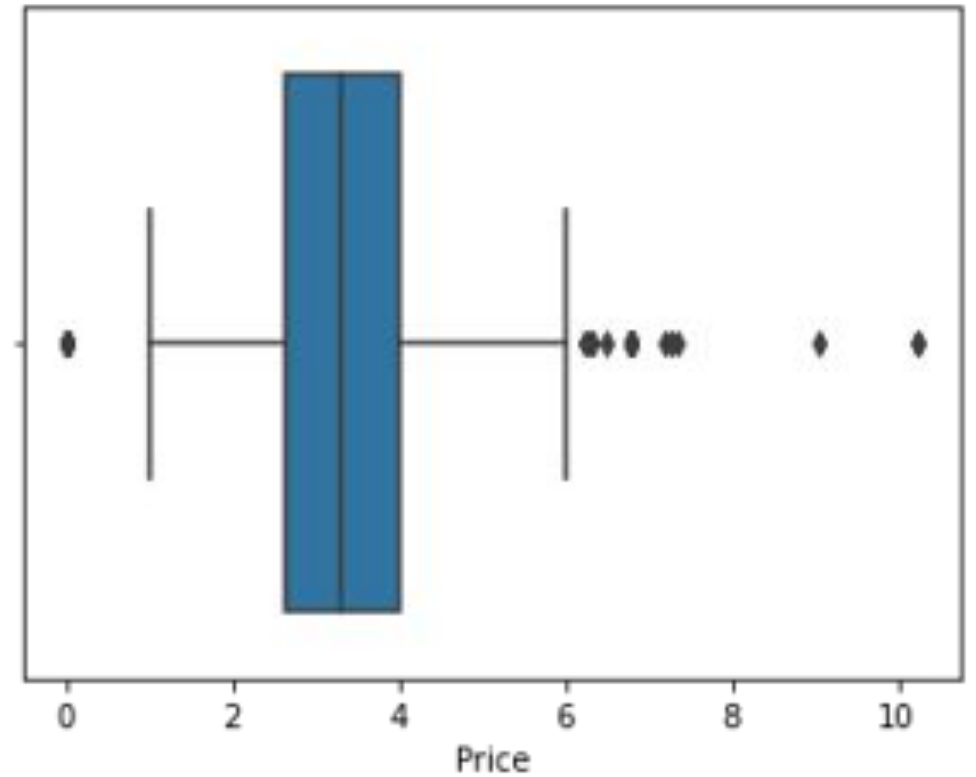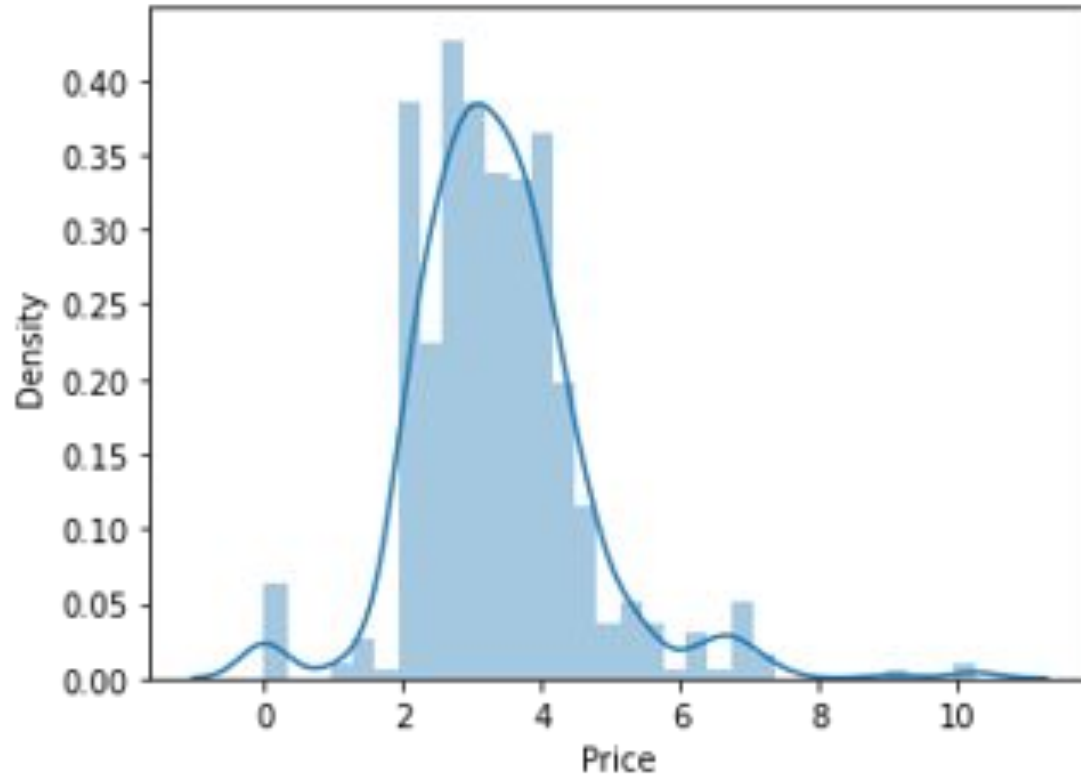- Incorrect values

- Changed the format of the columns

Feature Engineering

Created dummy variables for the genre features

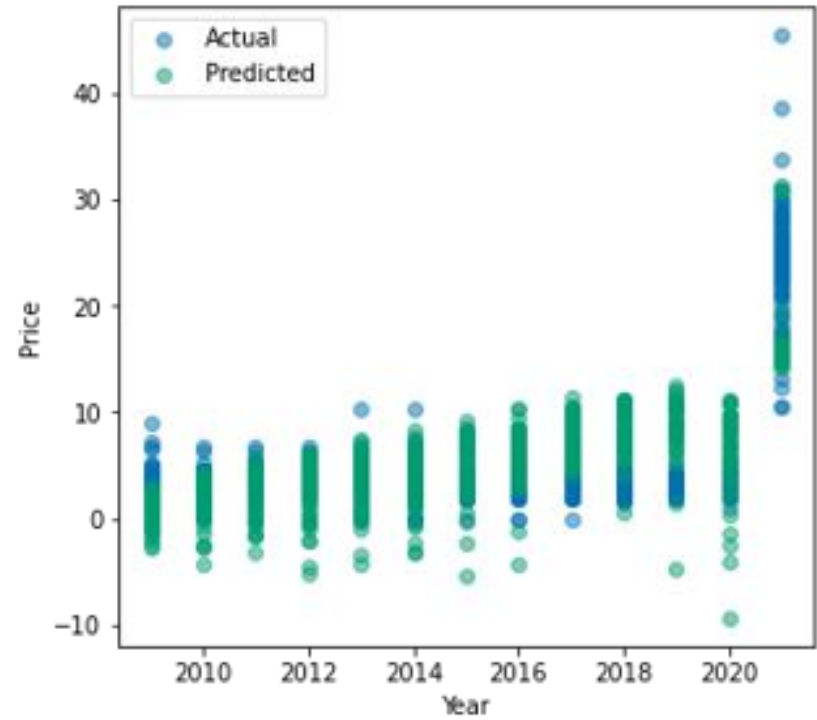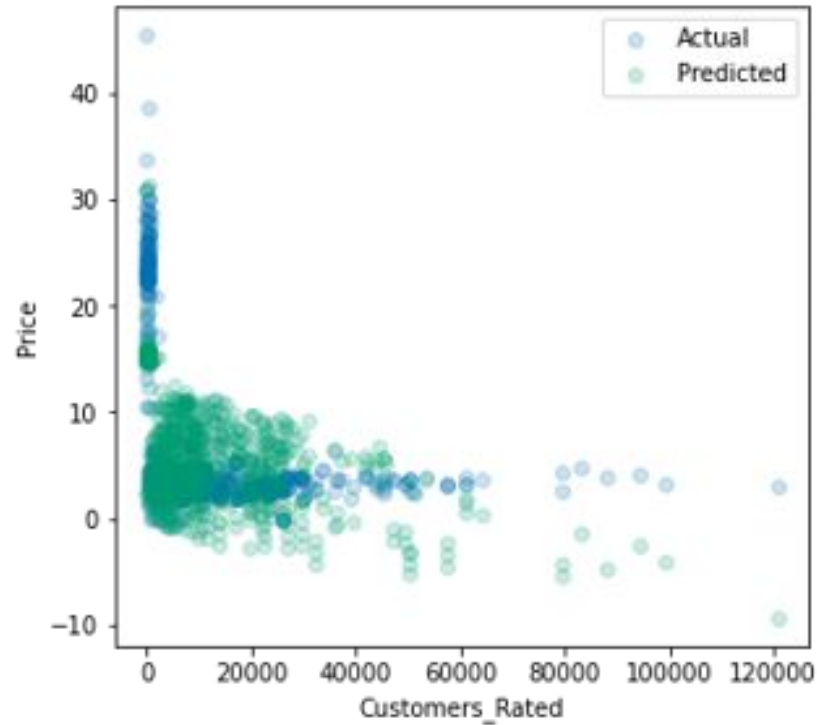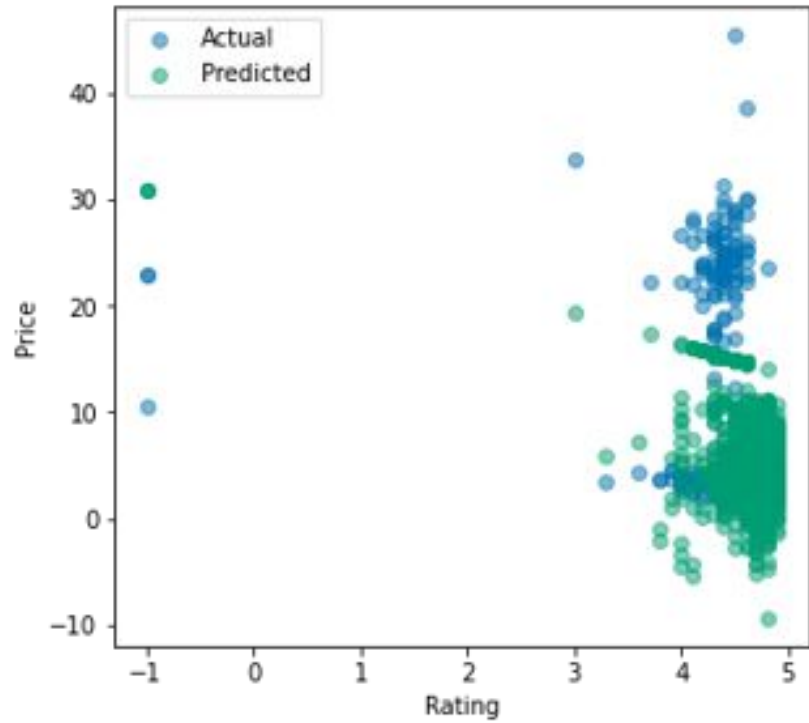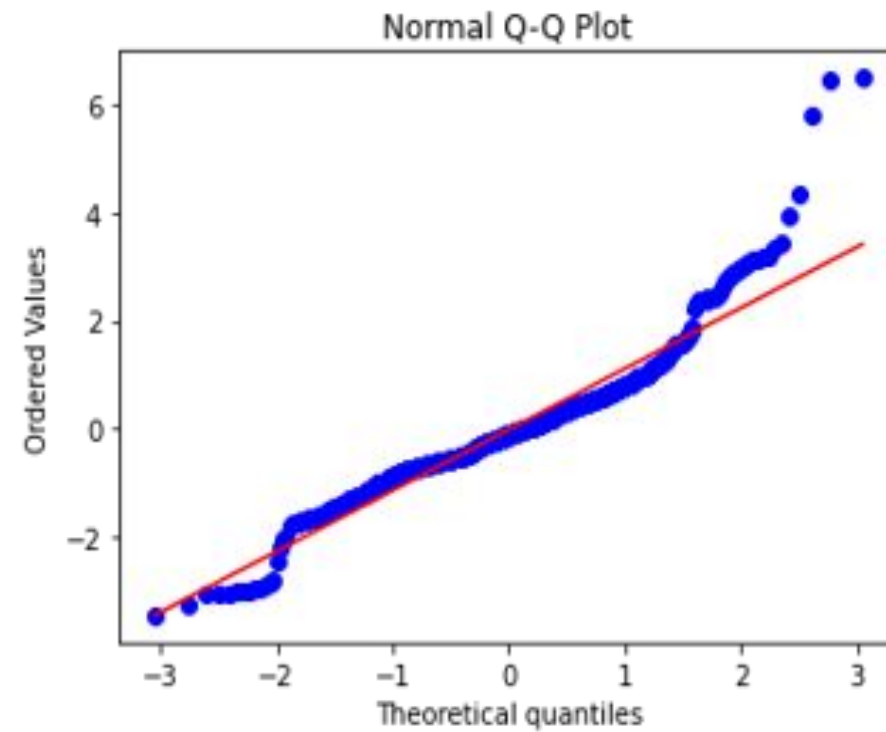Drop for book title and author since they're categorical and contain many values
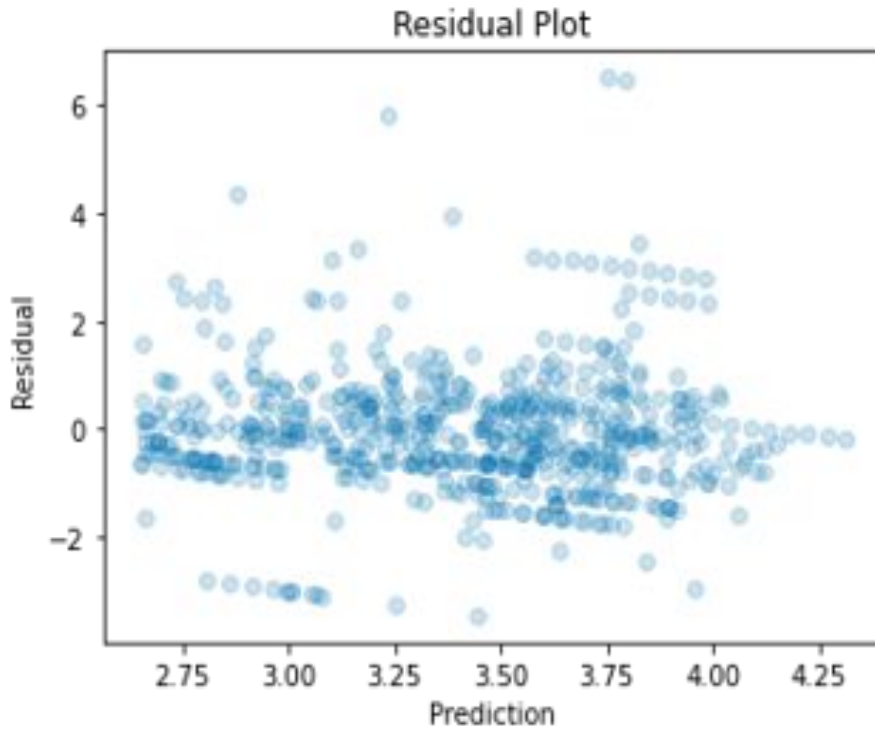
EDA

The data has some outliers, but they were kept as they had meaning.

Feature Engineering

Baseline Model

R² training set : 0.10031434506039706
R² test set : 0.07665732576443074

conclusion

Thank you for listening

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