



Prediction of Amazon Best Seller Book Prices 2010-2021

The background of the slide features a warm, dimly lit library or bookstore. On the left, a tall wooden bookshelf is filled with numerous books of various sizes and colors. To the right of the bookshelf, a large, glowing lamp with a textured, ribbed glass shade hangs down, casting a warm, golden light. The right side of the slide has a dark blue background with several decorative elements: a small white circle, a larger light brown semi-circle, and a white and black diagonal graphic element in the top right corner.

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



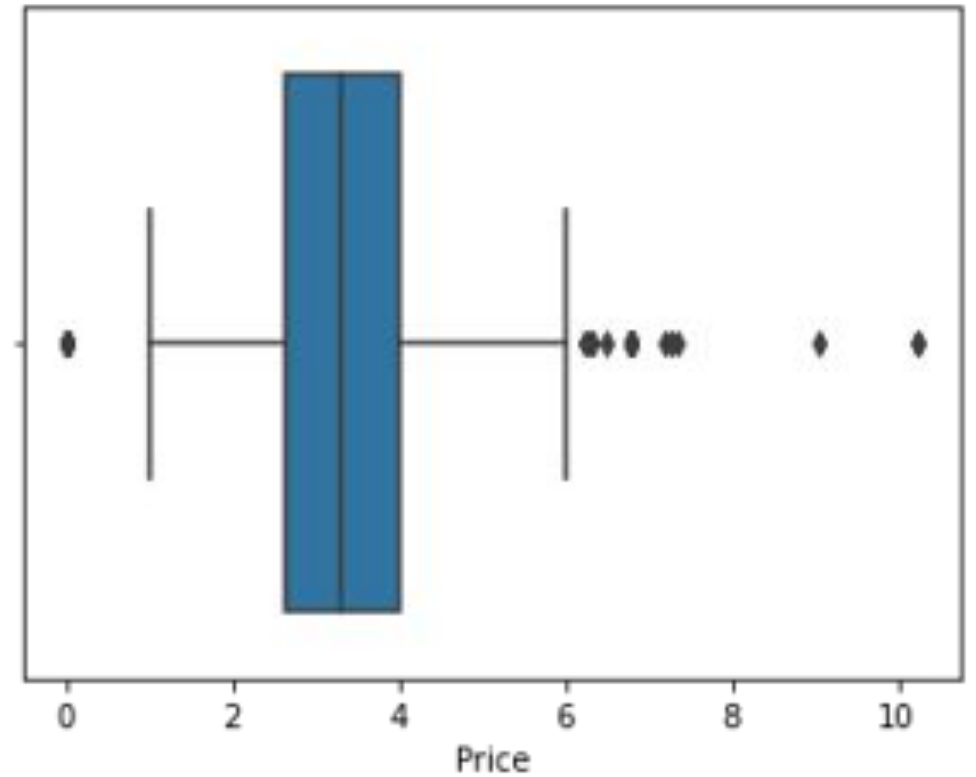
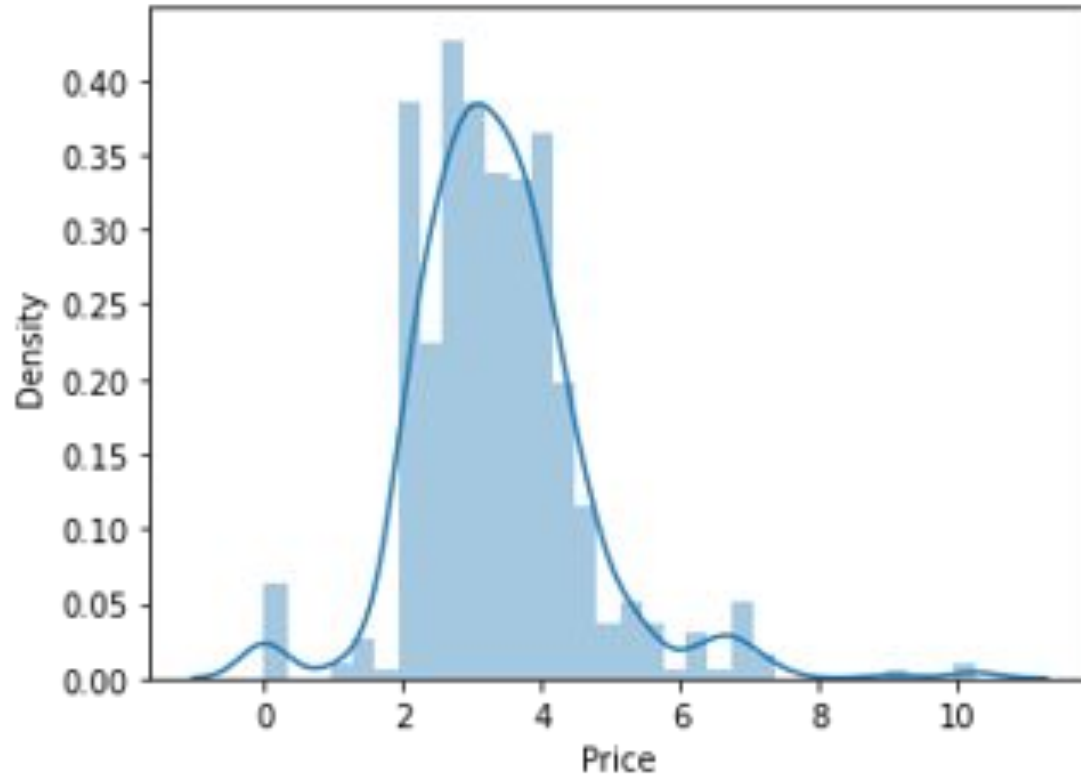
• Feature Engineering

Created dummy variables for the genre features

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

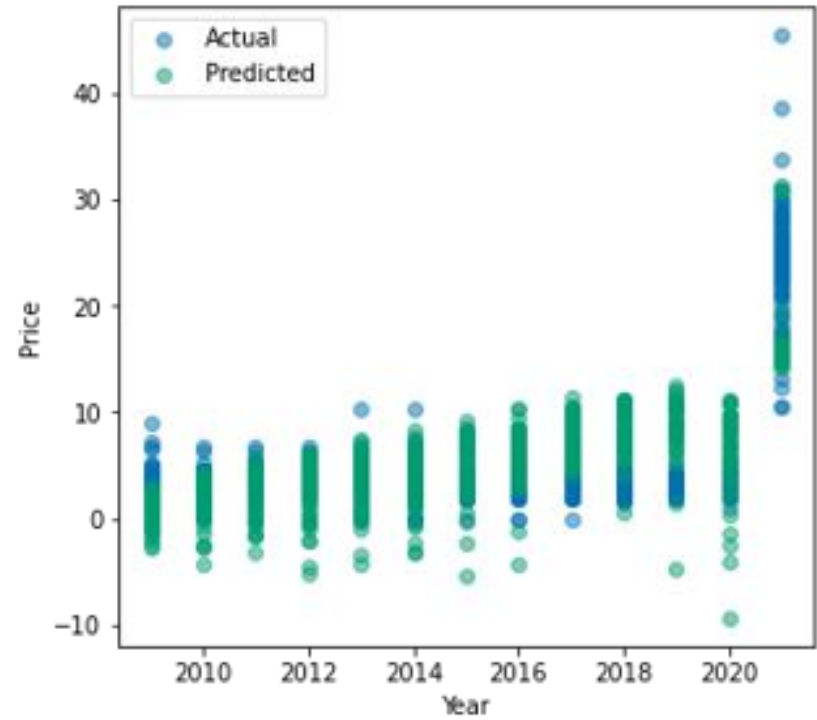
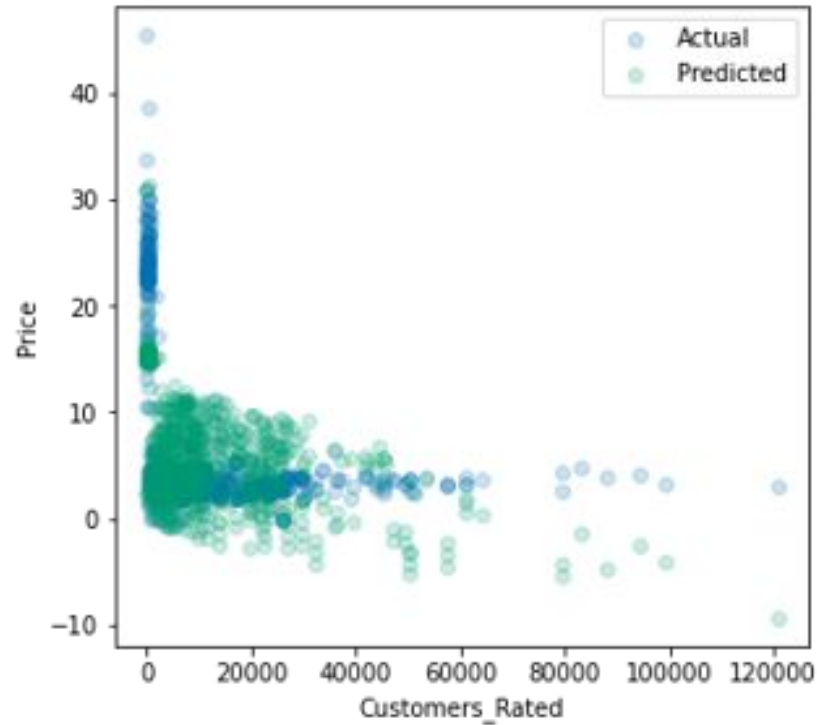
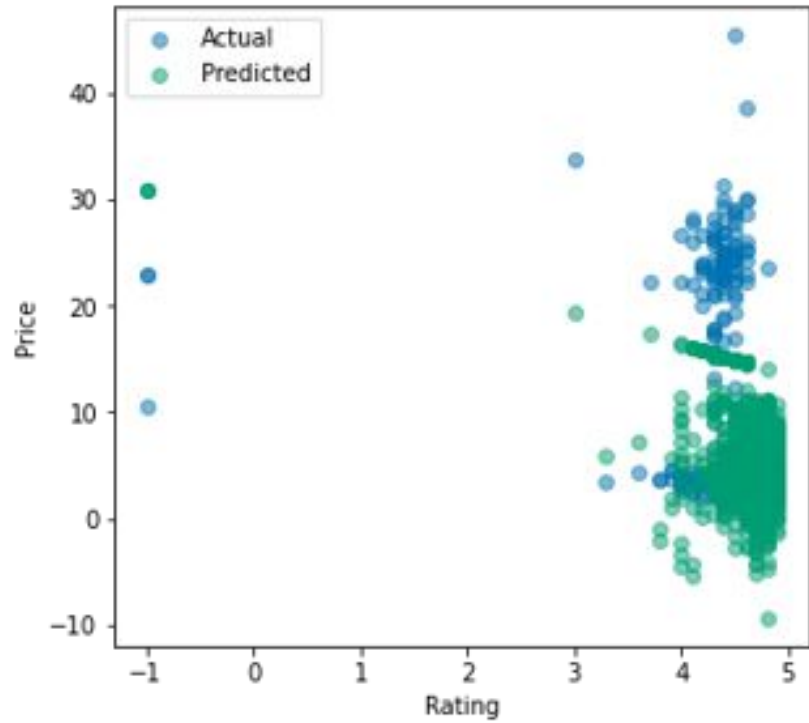


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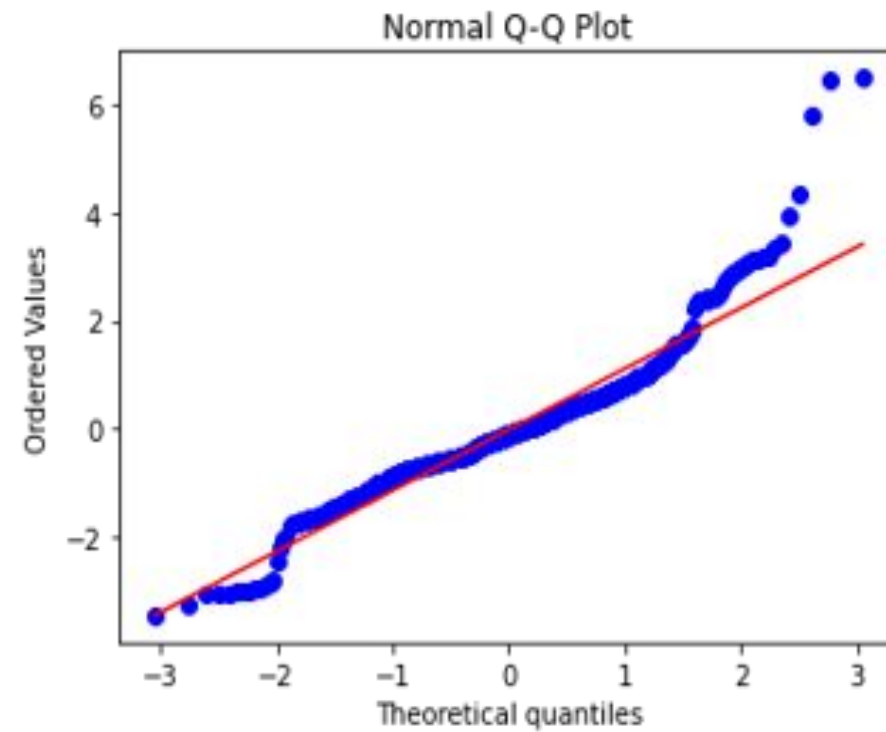
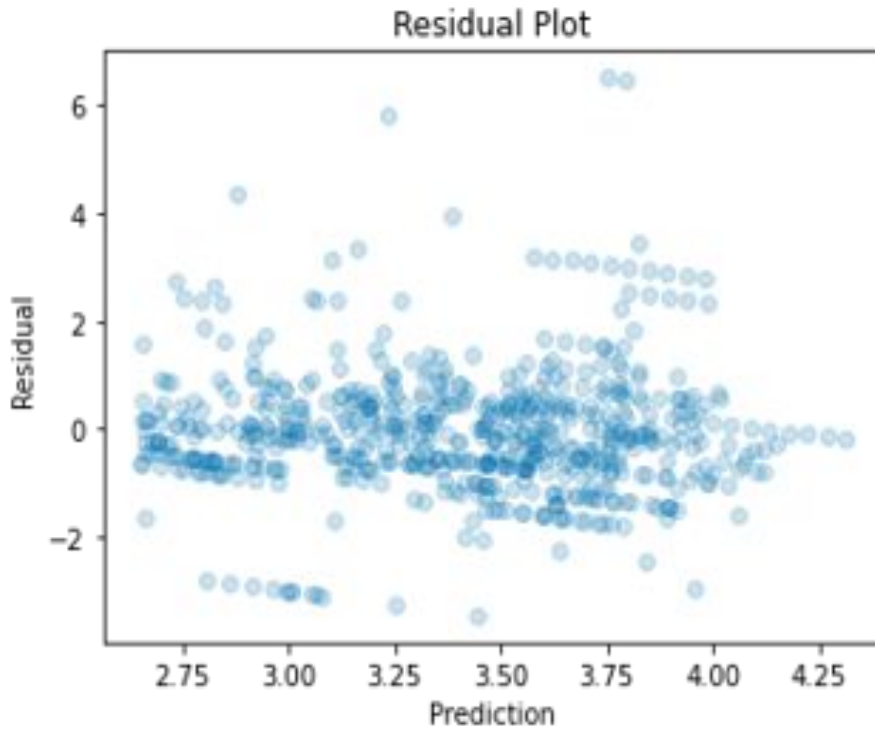


The data has some outliers, but they were kept as they had meaning.

Feature Engineering



Baseline Model



R^2 training set : 0.10031434506039706

R^2 test set : 0.07665732576443074



conclusion

A photograph of a library interior. On the left, tall metal bookshelves are filled with books. On the right, several warm-toned light bulbs hang from the ceiling, creating a bokeh effect in the background. The overall atmosphere is warm and intellectual.

Thank you for listening

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