



Booking Predict Hotel Ratings in Riyadh



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Booking.com

is a online travel agency for lodging
reservations & other travel products,
and a subsidiary of Booking
Holdings.

Problem Statement

Riyadh has become a new destination for travel and tourism, and we want a model to predict the Hotel Ratings based on several variables, determine what variables affect Hotel Ratings the most, then build a model that can predict the Hotel Ratings.



Dataset



5

Features

459

Rows

Booking.com

Sit

Methodology

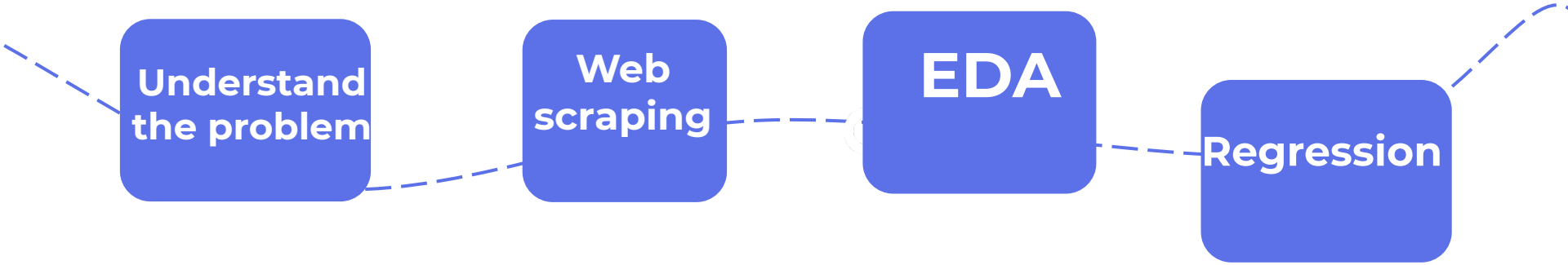


**Understand
the problem**

**Web
scraping**

EDA

Regression



Regression



Polynomial regression

train score: 0.150

test score: -0.7109

validation score:
-4.0343

linear regression

train score: 0.0163

test score: 0.015

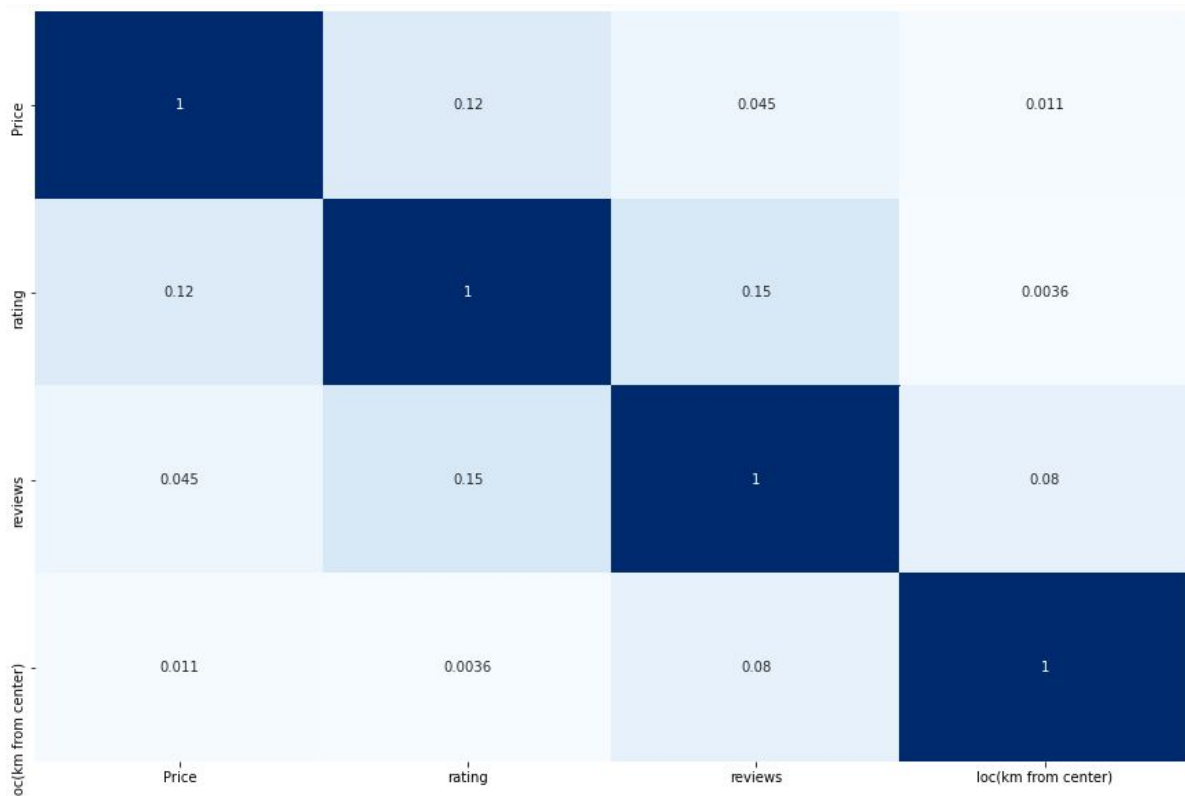
validation score:
-0.0060

lasso and ridge regression

lasso score: 0.0144

ridge score: 0.0152

Regression



Thanks

