

Udemy Courses Rating **Prediction**

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1. Introduction

Introduction



An American massive open online course provider.

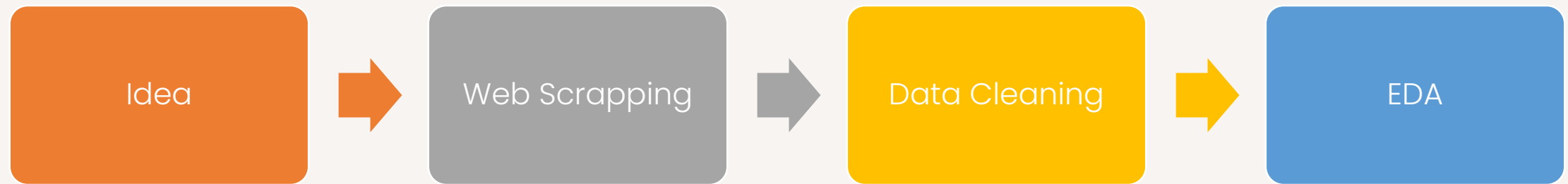


predicting course rating according to reviews, price and course duration.



2. Workflow

2. Workflow





3. Dataset & web Scrapping

3. Dataset & web Scraping



IT & Software



+ 9k rows



10 Features

3. Dataset & web Scrapping



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4.7 ★★★★★ (96,041)

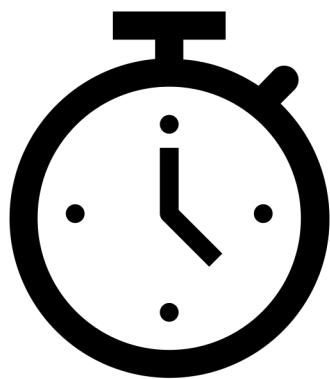
27 total hours • 368 lectures • All Levels

Bestseller

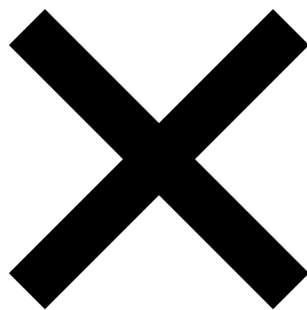


4. Challenges

4. Challenges



Empty div tags!



Cached Errors!



Same Price!



5. Tools



5. Tools



Python, Jupyter notebook



HTML/CSS



BeautifulSoup & Selenium



NumPy, Pandas



Matplotlib, Seaborn



Sklearn





6. EDA



6. EDA

Missing
Values

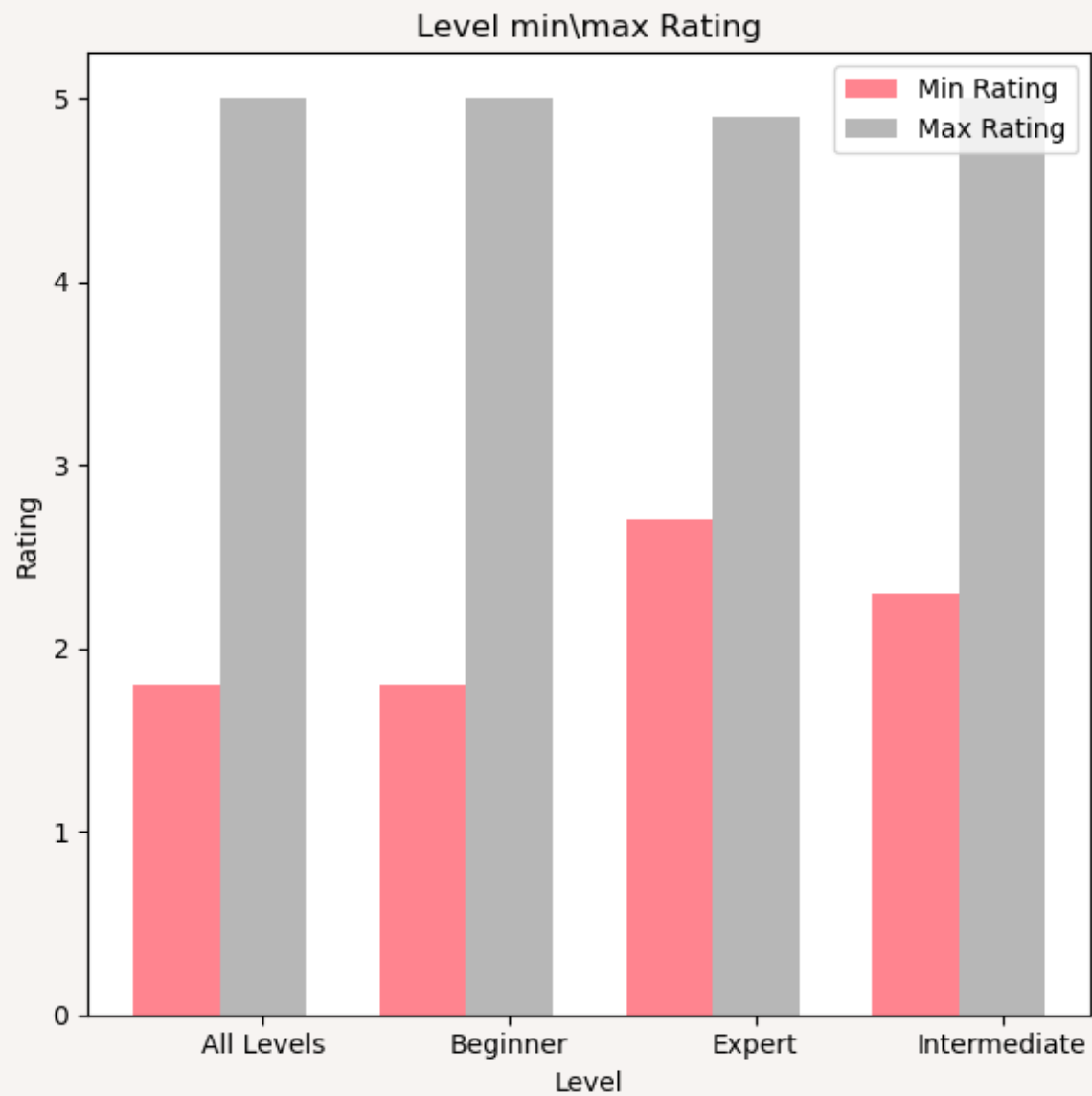
Outliers

Extract
Numerical
Values

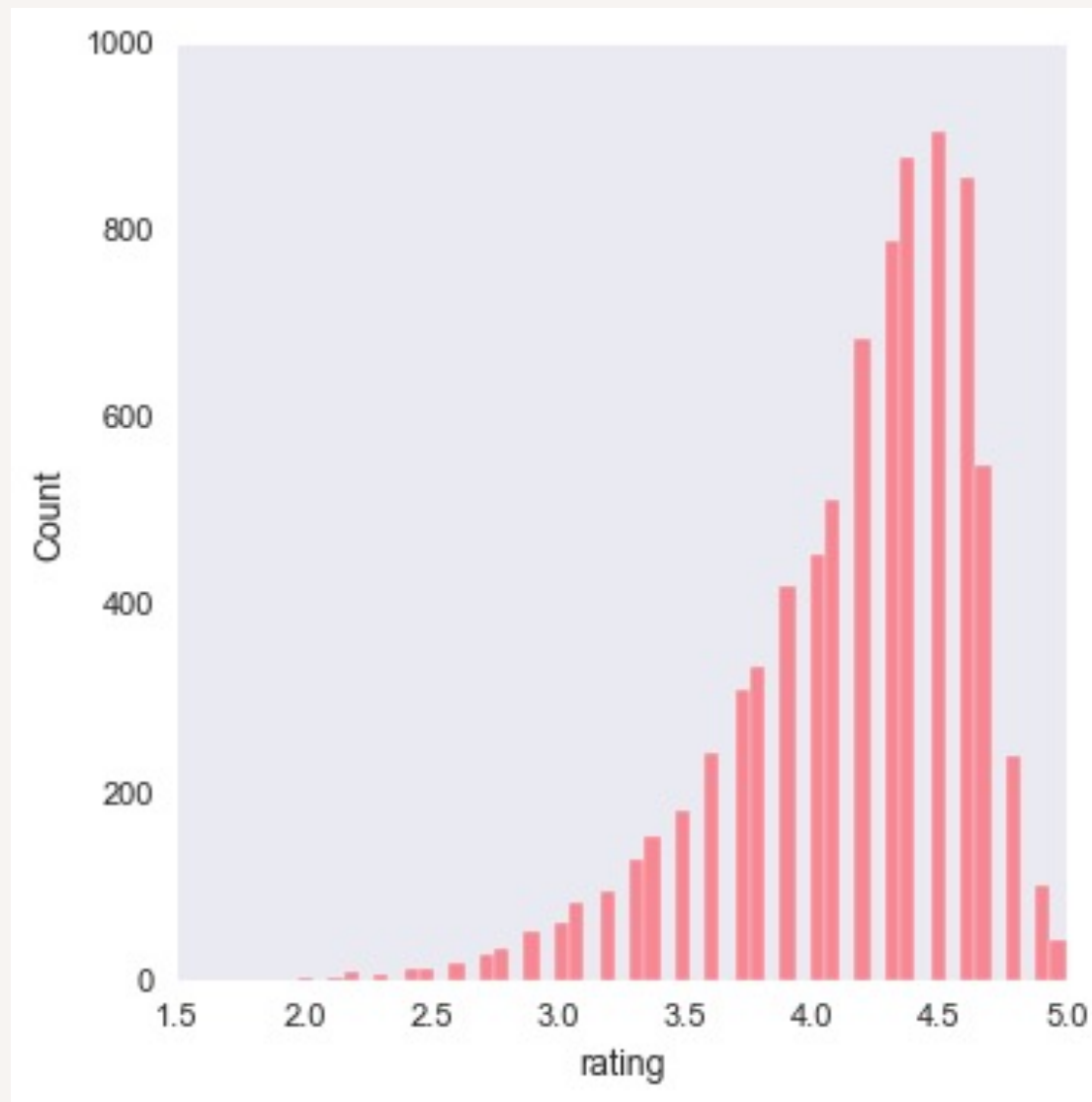
Column
Types

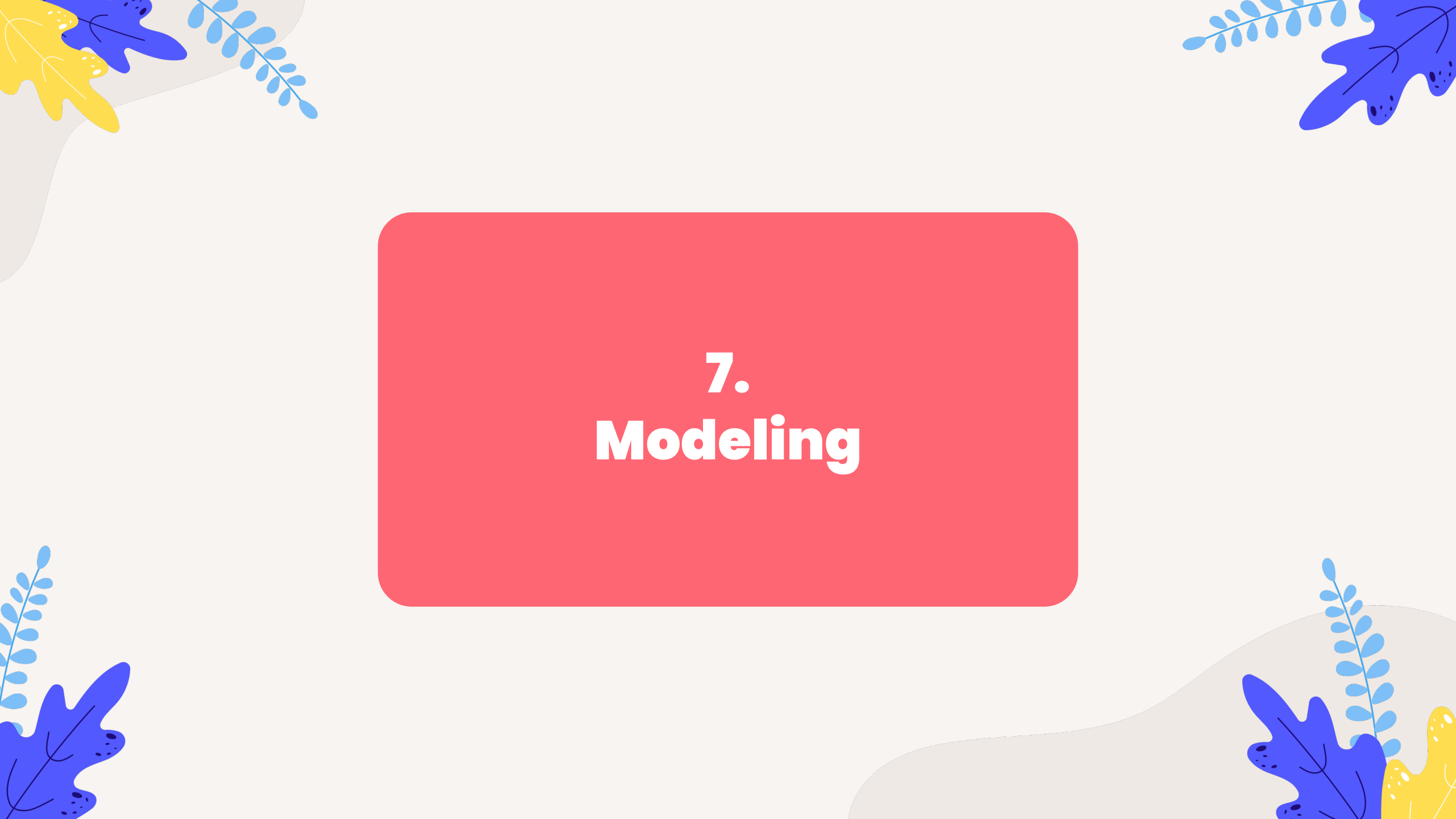


6. EDA



6. EDA



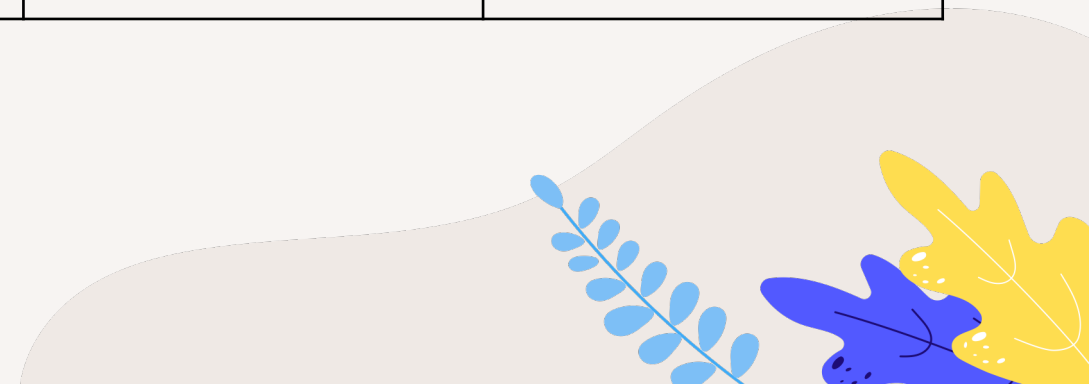


7. Modeling



7. Modeling

Model	R2 Score	MSE
Linear Regression	0.033	0.22
Polynomial (degree 2)	0.044	0.216
Lasso	0.035	0.223
Ridge	0.031	0.223
Random Forest Regressor	0.0132	0.232



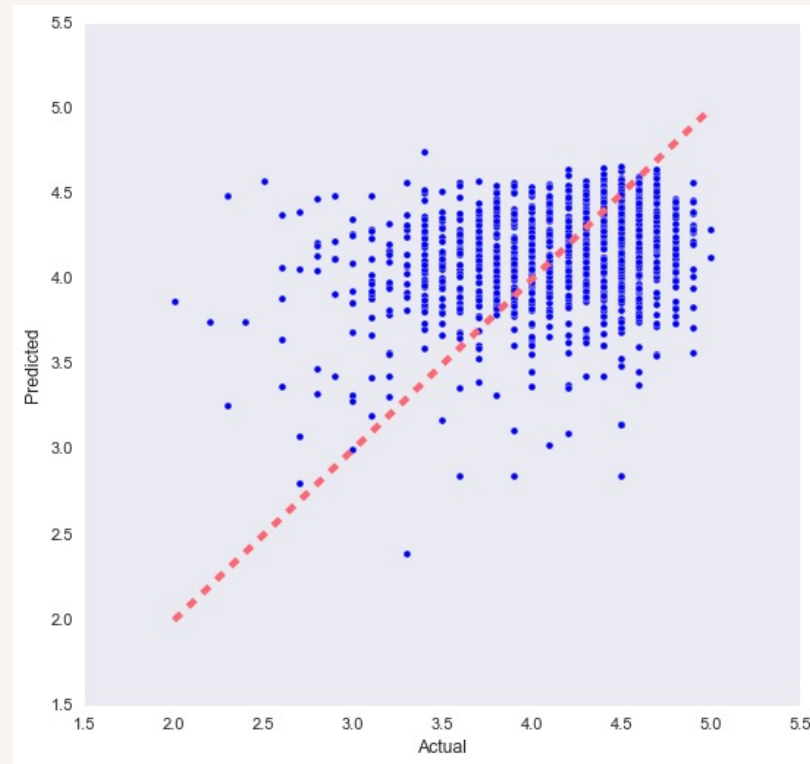


7. Modeling

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7. Modeling



Polynomial Model
(Degree = 2)

The slide features a light gray background with the word "Thanks !" centered in a large, bold, black font. The corners are decorated with stylized autumn leaves. The top-left corner has a yellow leaf and a blue leaf. The top-right corner has a blue leaf and a blue fern-like branch. The bottom-left corner has a blue leaf and a blue fern-like branch. The bottom-right corner has a blue leaf and a yellow leaf.

Thanks !