NBA Project

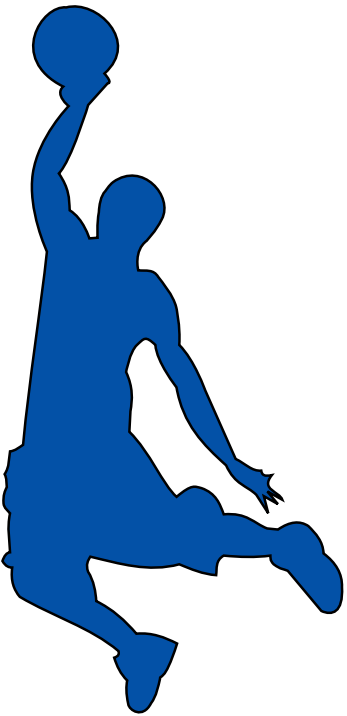# Table of Contents
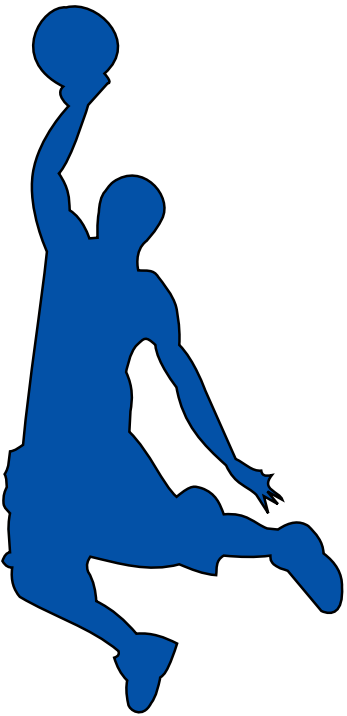
Goal

Build a model to predict number of points for players.

Data

Player

FGM

MIN

PTS

3PM

FTM

FP

NBA
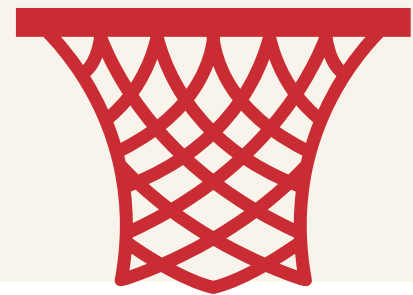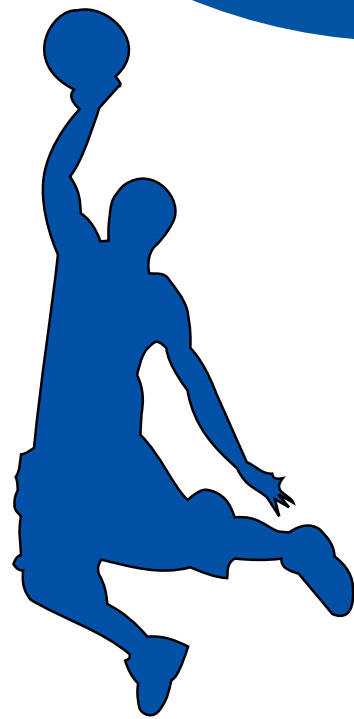
Tools

- Pandas
- NumPy
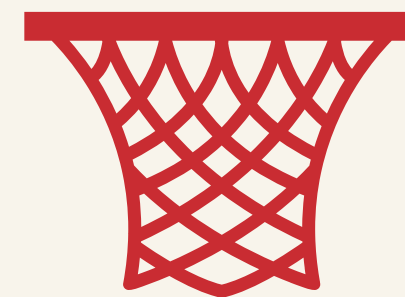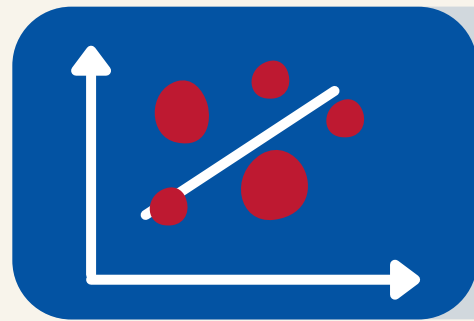
- Selenium
- BeautifulSoup
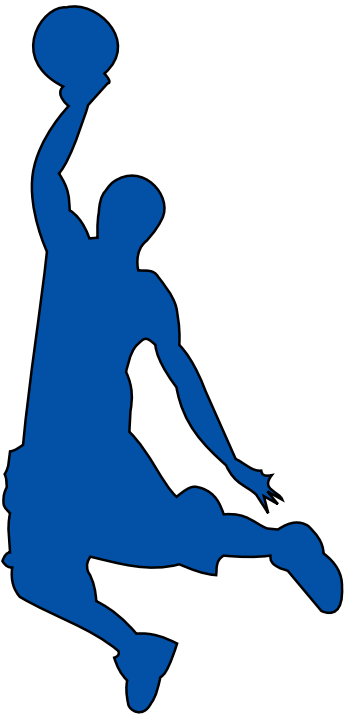
- Seaborn
- Tableau
- matplotlib

- Sklearn
- Animaker

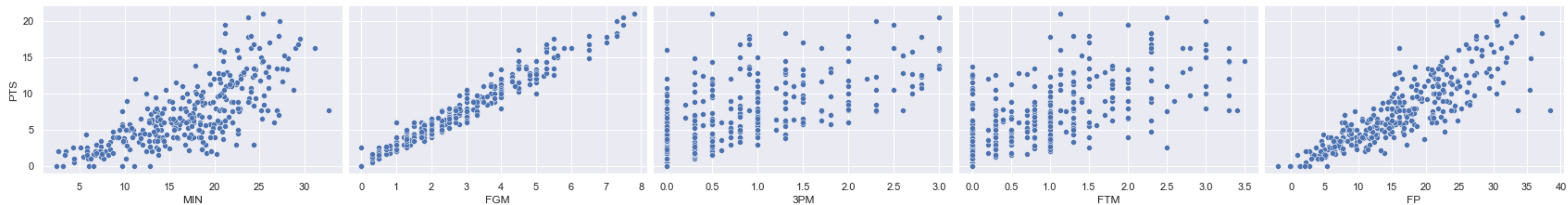# Results

Build
linear regression model

Target

Features

7

Linear Regression Models

# of Models	R Squared	MAE	MSE	RMSE
Model 1	0.440002	2.762713	11.693917	3.419637
Model 2	0.932539	0.894579	1.408732	1.186900
Model 3	0.217894	3.076238	16.331983	4.041285
Model 4	0.209180	3.332269	16.513945	4.063735
Model 5	0.623489	2.027554	7.862318	2.803983
Model 6	**0.946808**	**0.529868**	**1.110750**	**1.053921**
Model 7	0.935802	0.891730	1.340594	1.157840
Model 8	0.931737	0.927569	1.425462	1.193927
Model 9	0.936611	0.833512	1.323683	1.150514

Model 6 on Validation Set

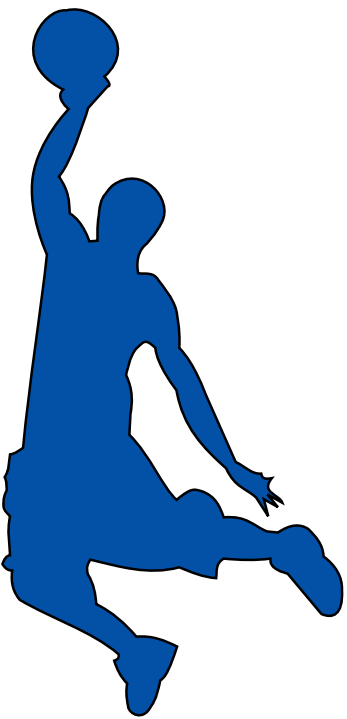PTS Predicted Value
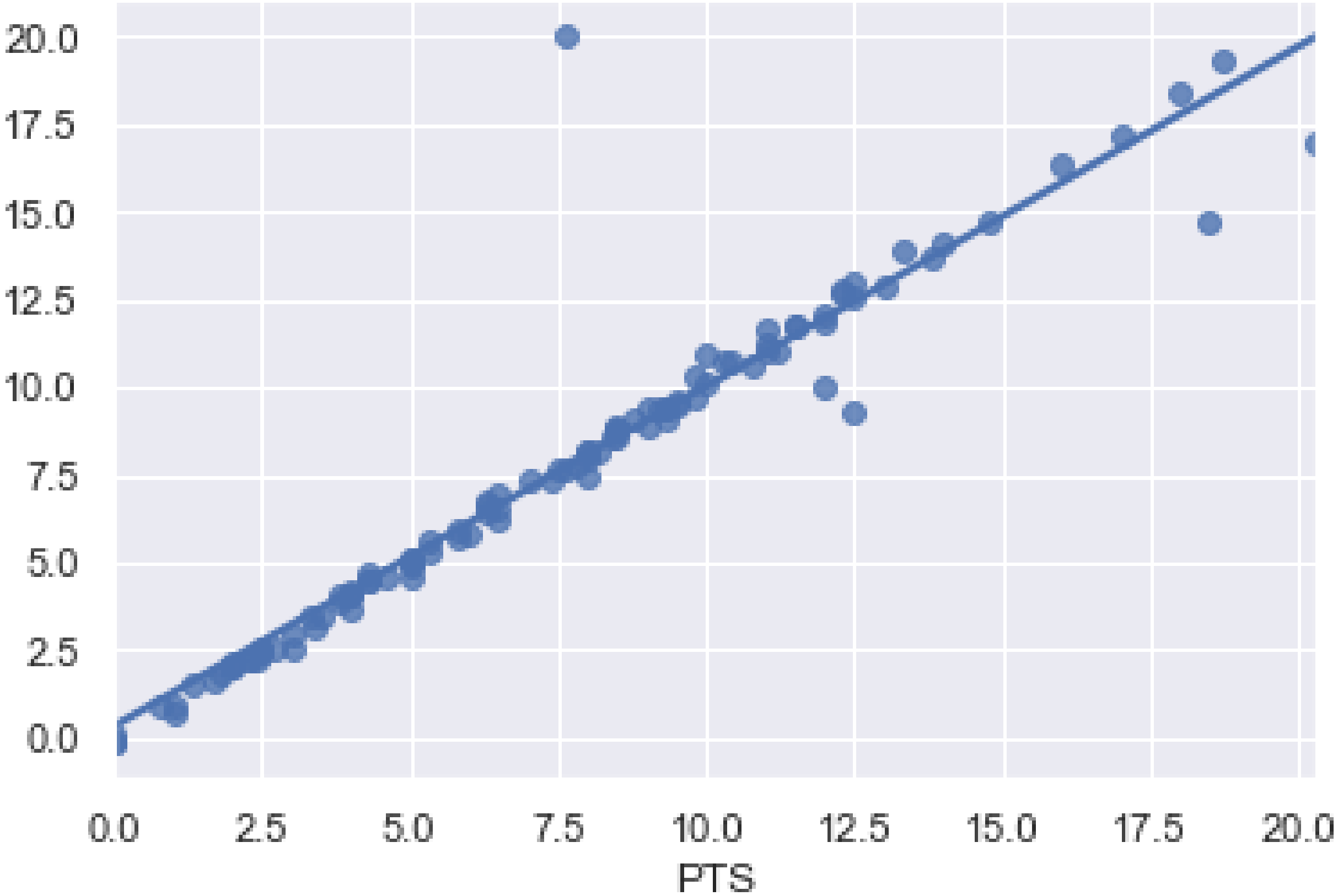
PTS
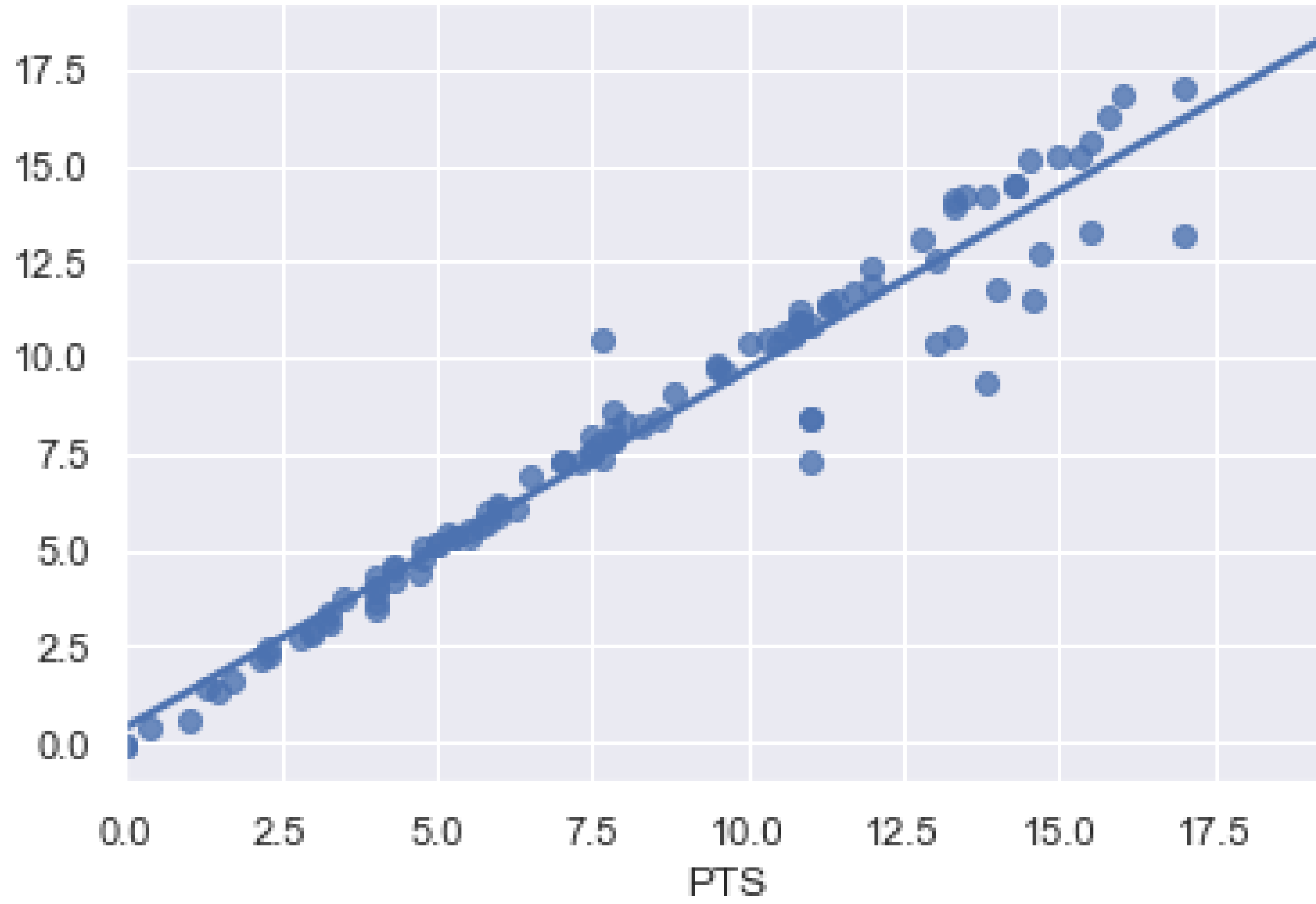
Actual Value

Conclusion

Predictions on the test set

Model 6 on Test Set

PTS Predicted Value

PTS

Actual Value

Future Work

Build Classification Model

Classification Model

Counts

Target variable counts in the dataset
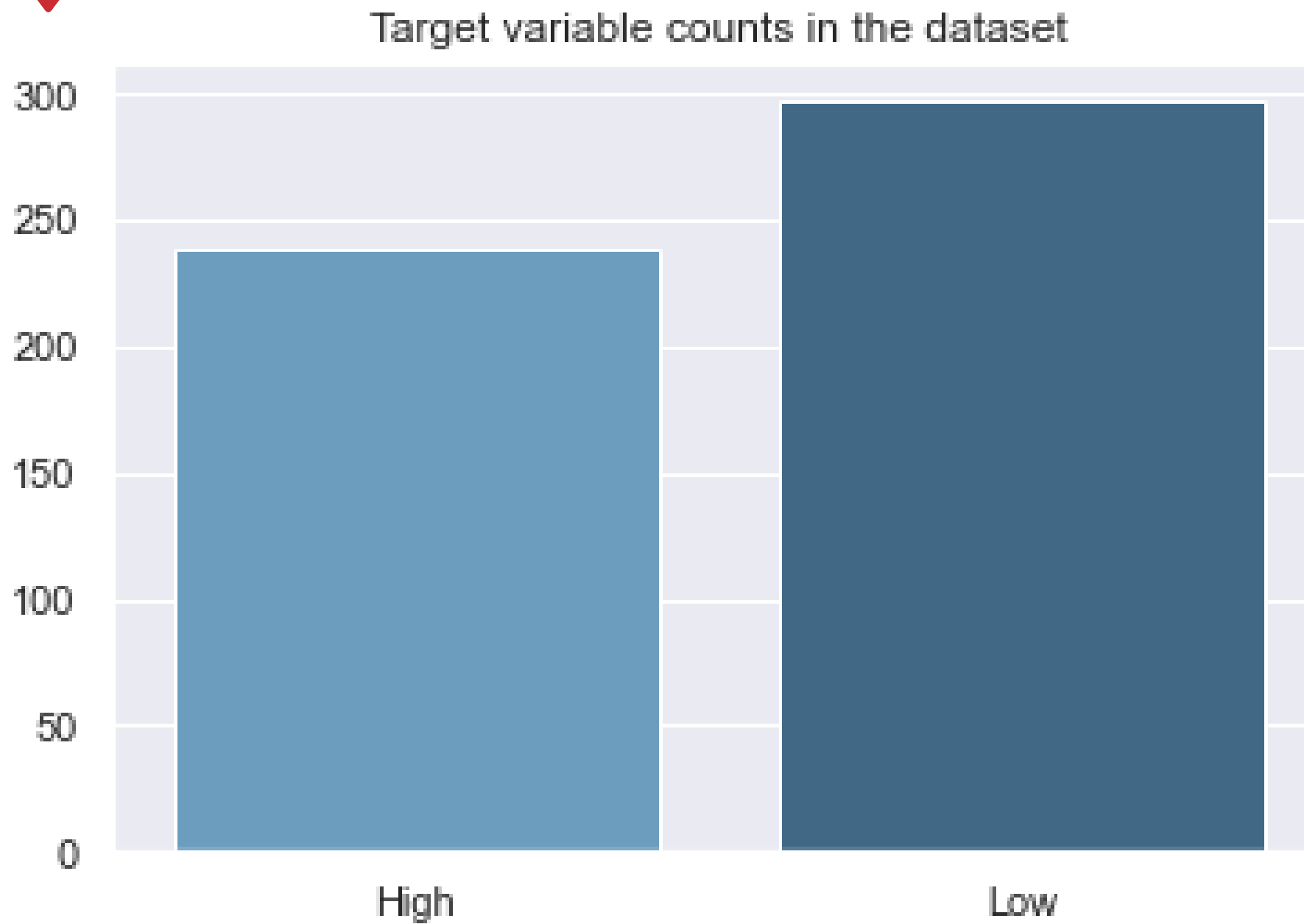
Points Class

NBA Model

Thank you..
Any questions?

Rania Almneie
data scientist

Hanadi Alshahrani
data scientist

Najd Alqahtani
data scientist