NBA Project

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Goal

Build a model to predict number of points for players.

Data

Player

FGM

MIN

PTS

3PM

FP

FTM

Tools

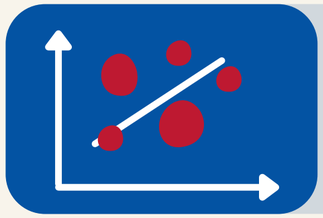
- Pandas
- NumPy

- Selenium
- BeautifulSoup

- Seaborn
- Tableau
- matplotlib

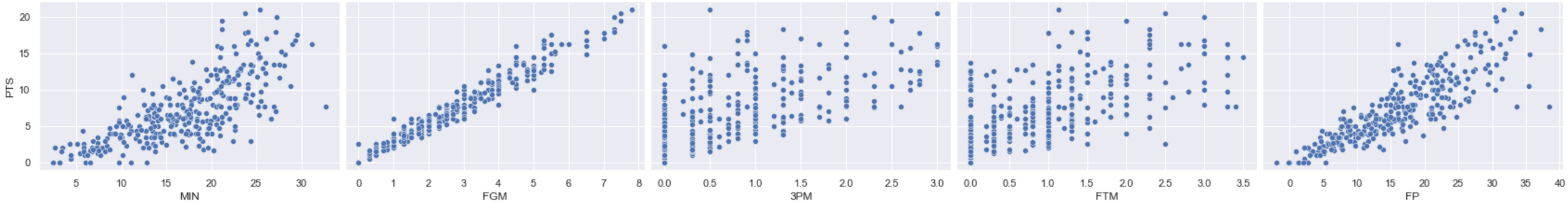
- Sklearn

Results



Build
linear regression model

Target



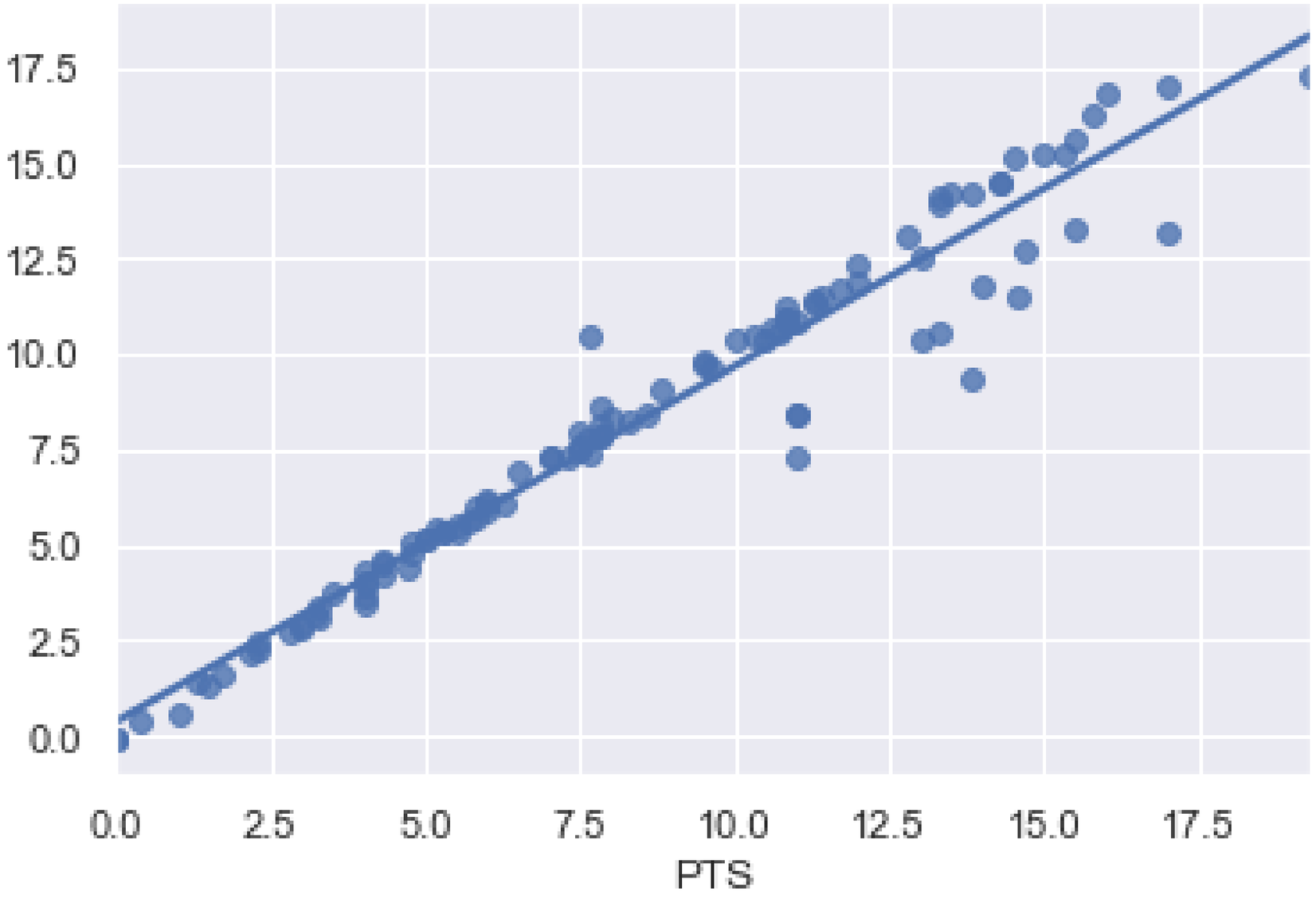
Features

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



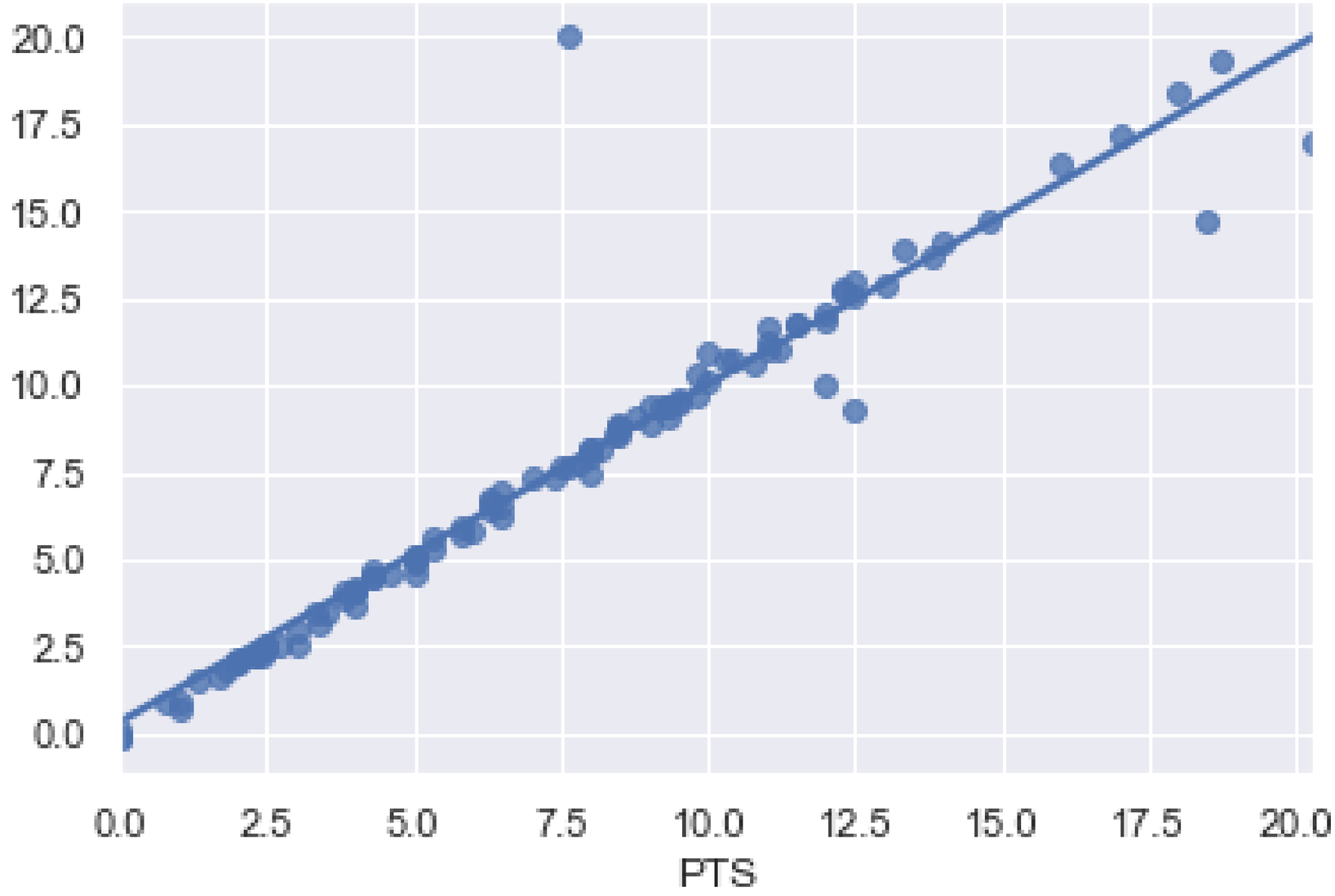
Actual Value

Conclusion

Predictions on
the test set

Model 6 on Test Set

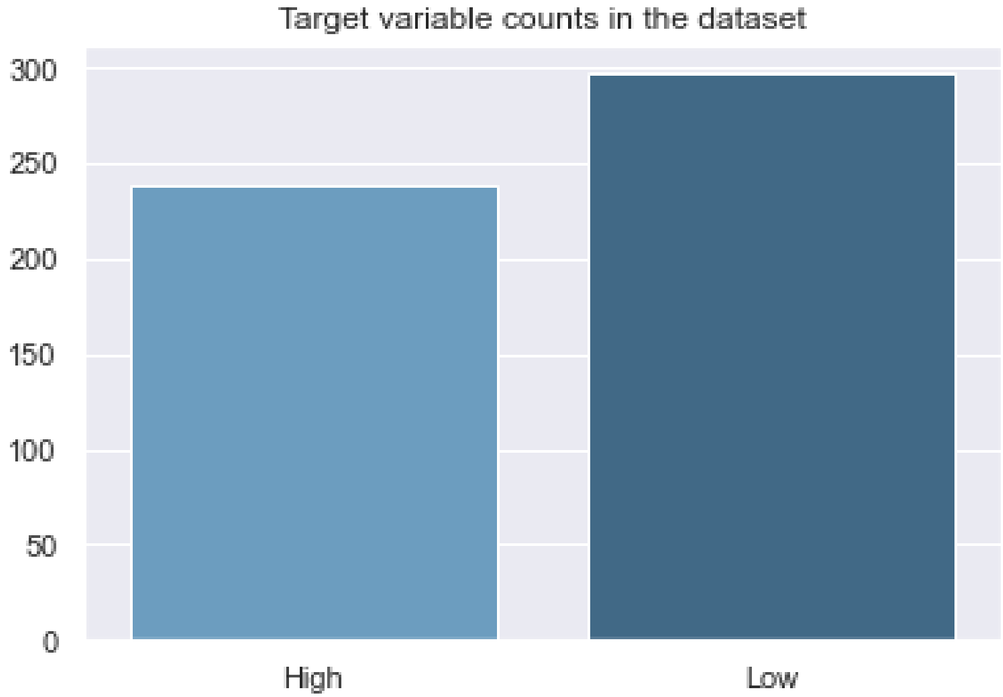
PTS Predicted Value



Actual Value

Future Work

Build Classification Model



NBA Model

Thank you..

Any questions?

Rania Almneie
data scientist

Hanadi Alshahrani
data scientist

Najd Alqahtani
data scientist