

# NBA Project



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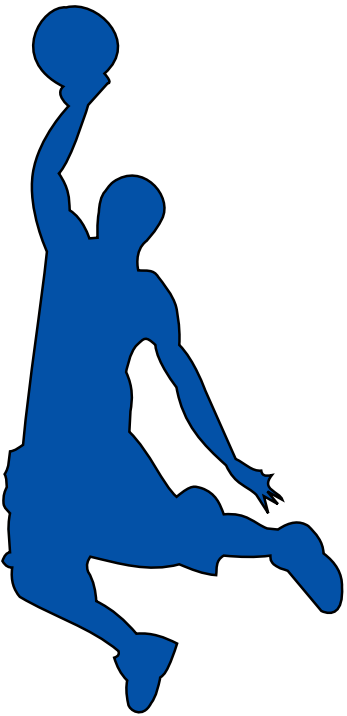
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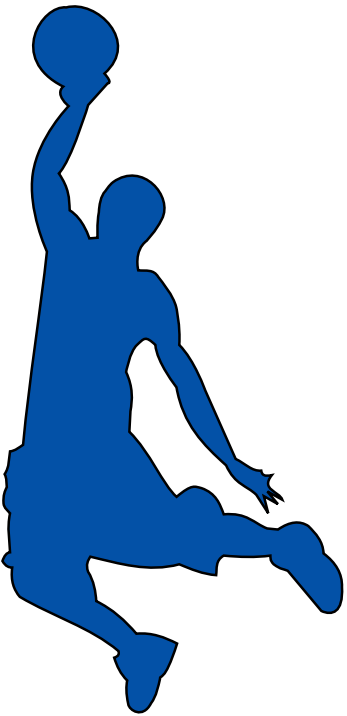
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# Goal



Build a model to predict number of points for players.



# Data

**Player**

**FGM**

**MIN**

**PTS**

**3PM**

**FP**

**FTM**



# Tools

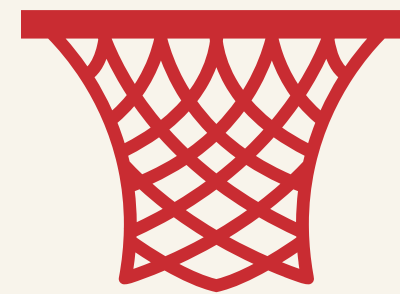
- Pandas
- NumPy



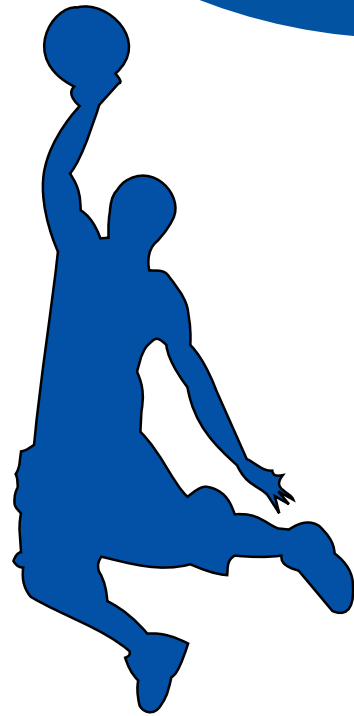
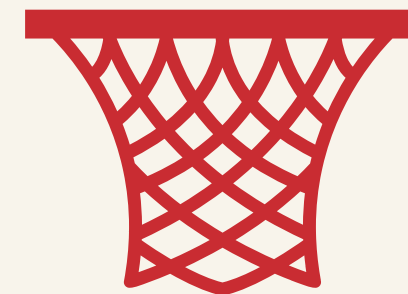
- Selenium
- BeautifulSoup



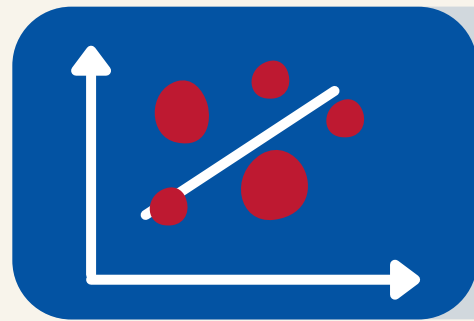
- Seaborn
- Tableau
- matplotlib



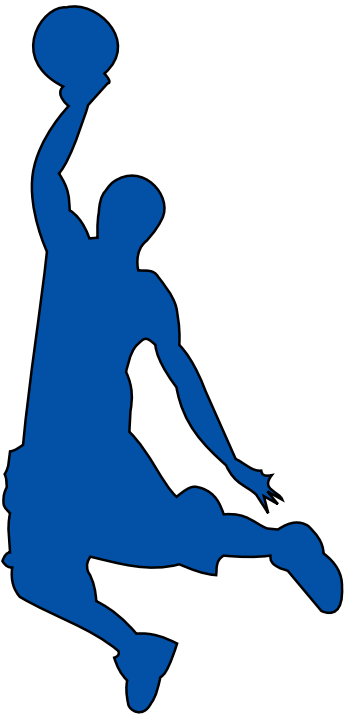
- Sklearn



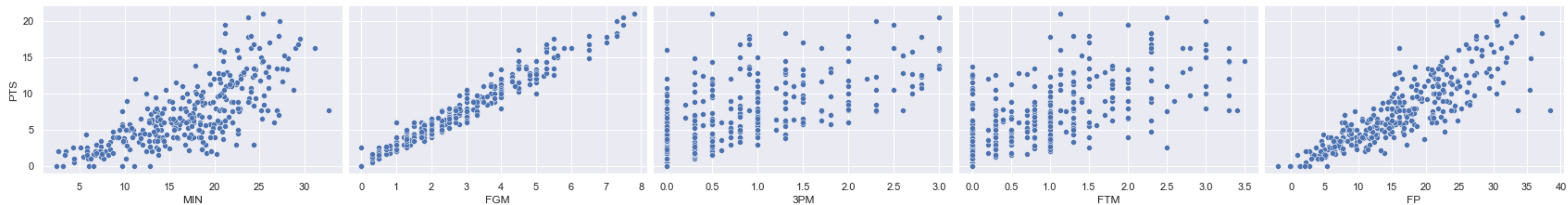
# Results



Build  
linear regression model



Target



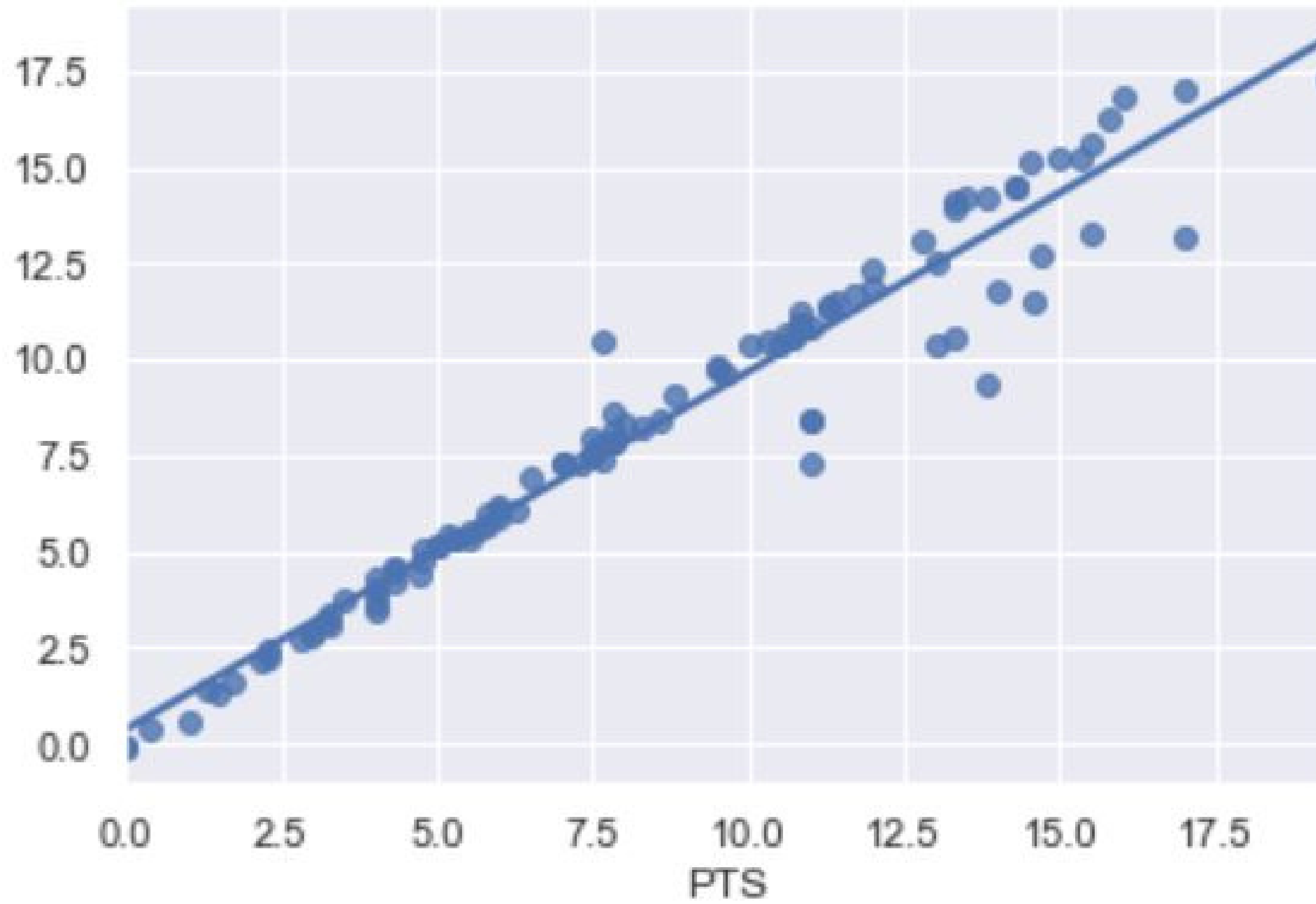
Features

# 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
<b>Model 6</b>	<b>0.946808</b>	<b>0.529868</b>	<b>1.110750</b>	<b>1.053921</b>
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

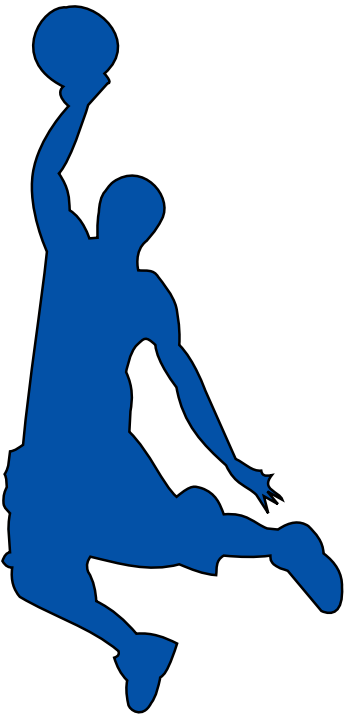


MIN

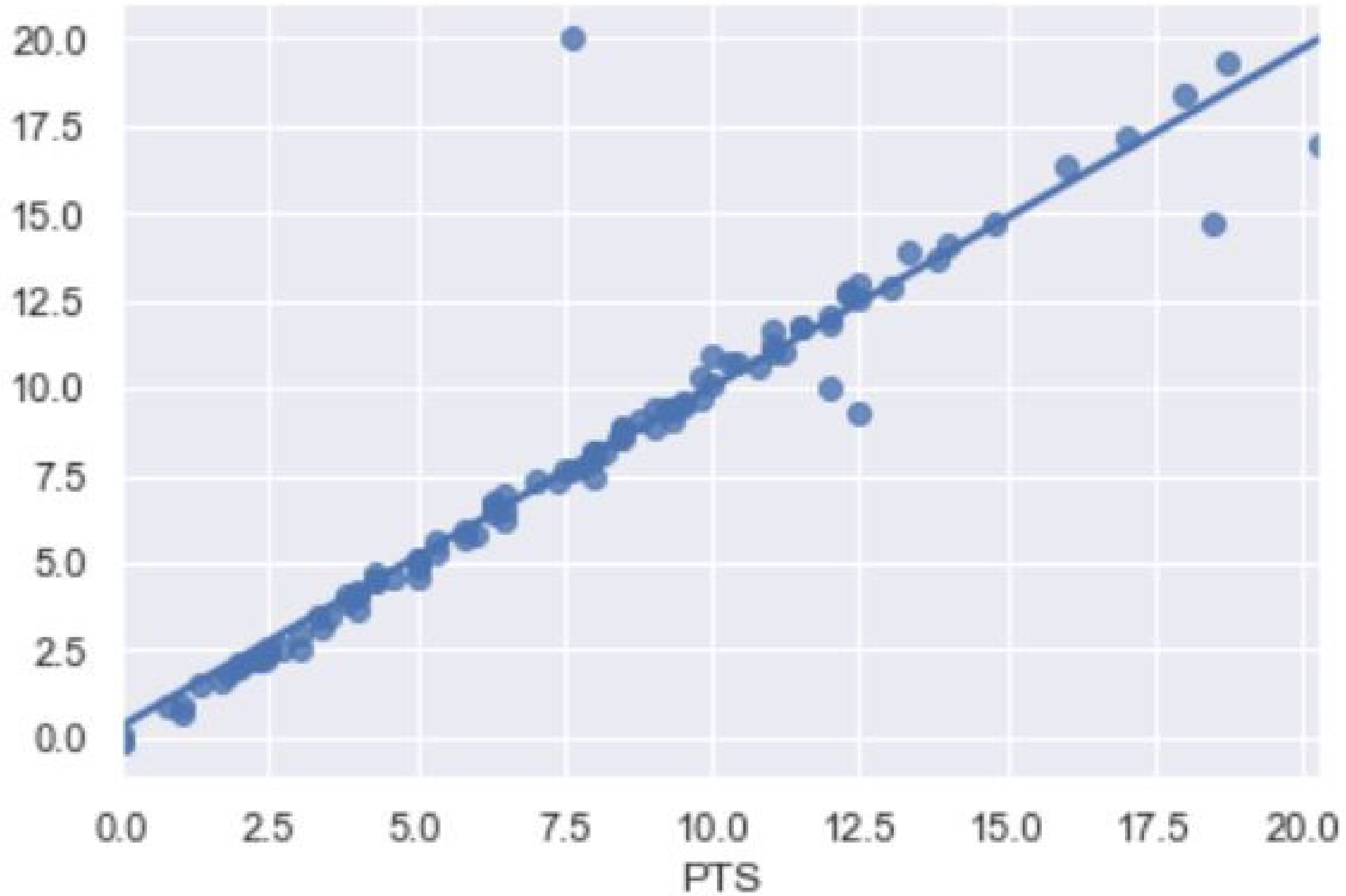
# Conclusion



Predictions on  
the test set



# Model 6 on Test Set

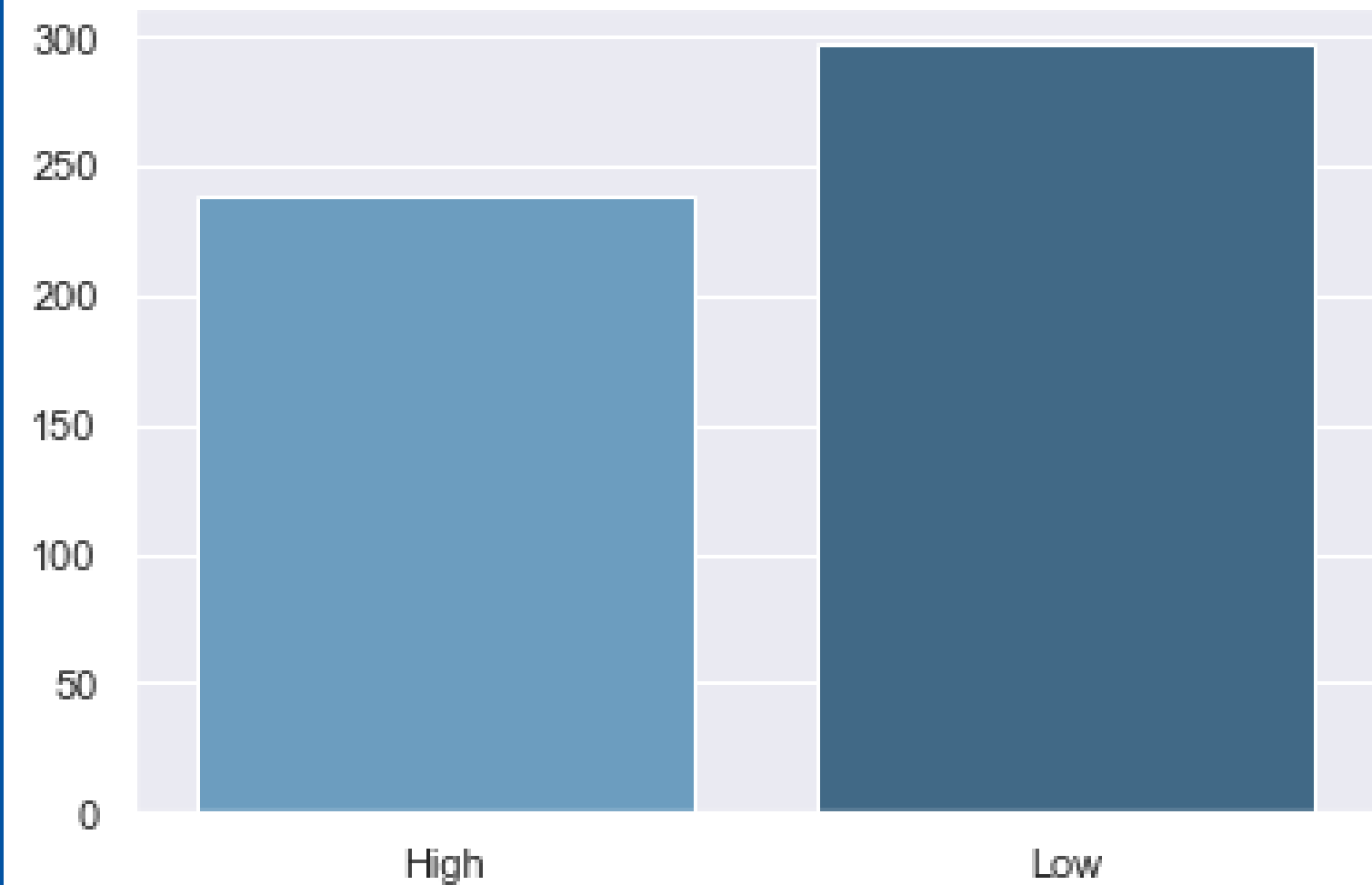


# Future Work



Build Classification  
Model

Target variable counts in the dataset

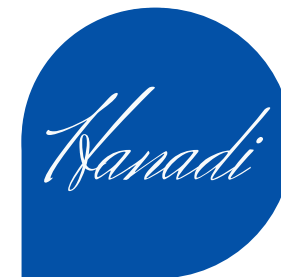


**Thank you..**

**Any questions?**



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