

NBA Free Agent Salary Prediction



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Process

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Data Collection

Spotrac & Basketball References API

02

Data Cleaning / Exploration

03

Modeling

Linear Regression / RFR / XGBR

04

Interpretation

Insight / Future Ideas



Average Annual Value



CONTRACT:

4 yr(s) / \$153,312,846

AVG. SALARY:

\$38,328,212

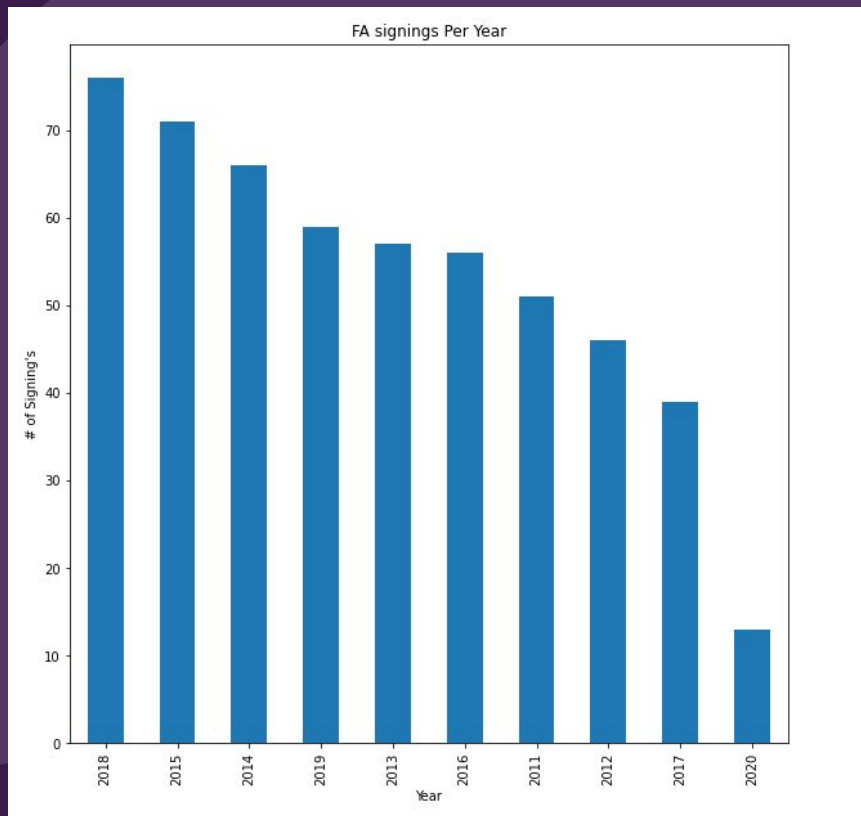


CONTRACT:

1 yr(s) / \$335,366

AVG. SALARY:

\$335,366

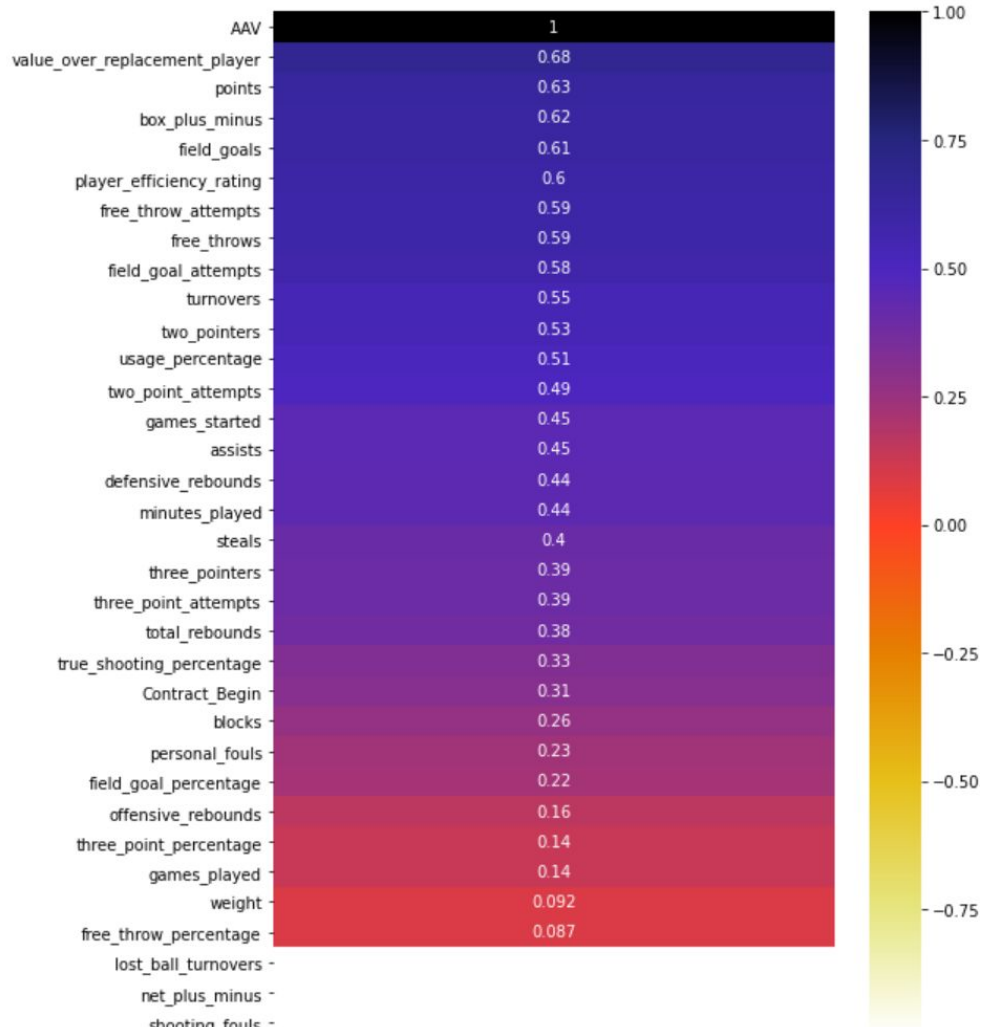


Total: 573





Feature Correlation With AAV



Models






Linear Regression




R2 : 0.5314062274347852
RMSE : 6.289695948867414
MSE : 39.560275129199155









Random Forest Regression

R2 : 0.5738652632565411
RMSE : 5.997977939300073
MSE : 35.97573936033035

Player	Actual	Predicted
	39.9M	21.7M
	35.5M	17.5M
	35.2M	18.6M

Player	Actual	Predicted
	35.5M	16.8M
	39.9M	24M
	35.2M	19.5M

Player	Actual	Predicted
	5.4M	20.1M
	2.6M	16.3M
	4.1M	15.2M

Player	Actual	Predicted
	3M	21.1M
	7.3M	22.5M
	5.4M	20.1M

THANKS

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