Durant Company

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Problem

Question

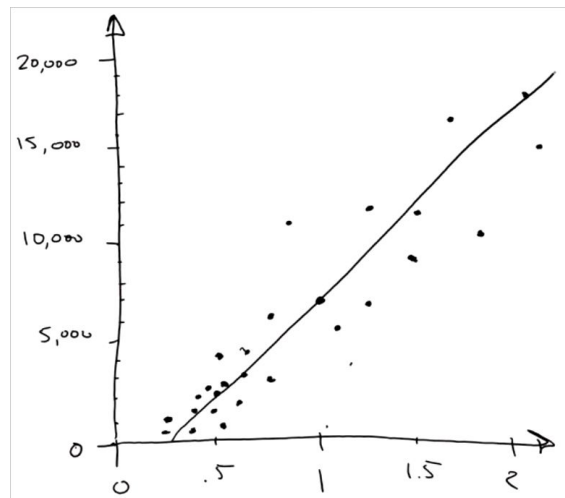# How much should I ask for?

Solution

Approach

ESPN®

-Stats Data (17 to 18 season)

-Salary Data (18 to 19 season)
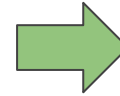
Metric for Model Evaluation

-RMSE

Linear Regression

Features Selection

-Points Made

-Field Goal %

-Three Point %

-Minutes Played

-Free Throw %

-Position Played

-Turnovers

-Rebounds

-Assists

-Blocks

-Steals

-Personal Foul

-Game Played

-Game Started

Best Model Performance

RMSE

0.6453

Residuals Plot
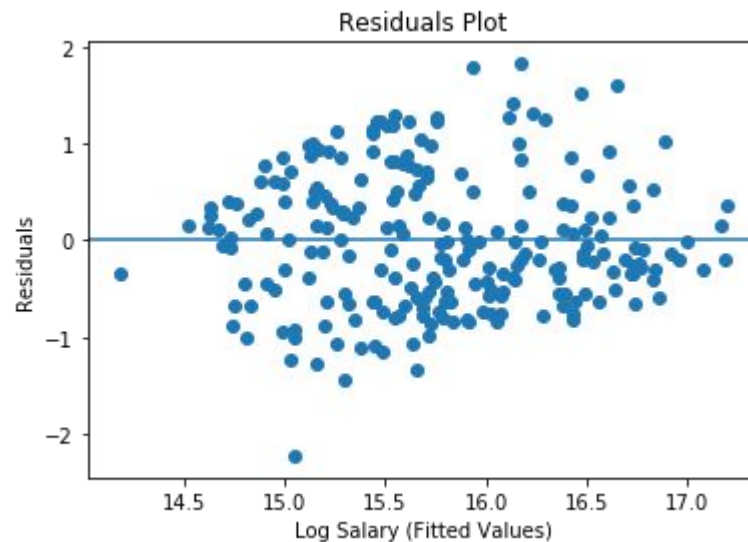
RMSE Translation

Recommendation

Predicted | RMSE | Worth for

$24.5M + 6M = ~**30M**

Future Extension

Limitation

NBA IQ
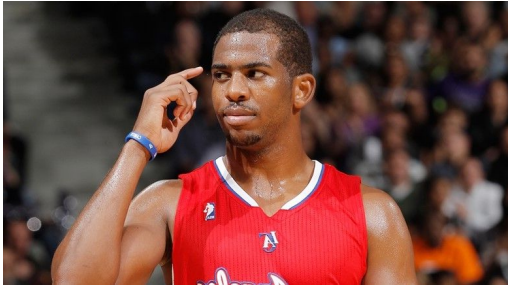
Leadership Skills

Add More Predictors

-Age

-Experience

-NBA Finals Performance Stats

-Injuries

-NBA Salary Cap Rule

-Social influence (Social Network Followers)

Q & A

Thank you!

Actual Salary

$30M 2018 to 2019

$26.54M 2017 to 2018

RMSE Calculation

test_set_pred3 = droppedDROROLS.predict(X_test)

droppedORDRModelRMSE = np.sqrt(np.mean((test_set_pred3 - (y_test))**2))

droppedORDRModelRMSE = 0.6453913022773288

y_predict_dollar3 = np.exp(test_set_pred3)

np.sqrt(np.mean((y_predict_dollar3 - np.exp(y_test))2)) = $6088140.51428578**

References

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Pics Holder