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ECON-124

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Homework 2.A Write Up

1. Loaded data
2. There is 8 observations with NA that I drop
3. Here is my histogram, which shows that most of the players in the NBA make the base salary, with the mean (the red line) salary making not much more then the base contract and well below the $1mill mark. While very few players make over $2 mill

Chart, histogram

Description automatically generated

1. Players with at least 50 games that led the league in PER is James Harden led the league in Player Eff. rating with 30.2. Stephan Curry led the league in True shooting % with 67.5%. Lebron James led the league in VORP with 8.6 points
2. The Percent of players who had a higher PER than Chef Curry is 1.4

The Percent of players who had a higher TS than Chef Curry is 2.1%\*

The Percent of players who had a higher VORP than Chef Curry is 2.1%

1. Split data into training\_set 90% observations and test\_set 10% observations
2. A.) The 5 Largest slope coefficients in magnitude are:

WS.48= 24.781

OBPM= -1.679

BPM= 1.370

TS.= 4.722

TmUTA= -1.532

b.) - TRB=1.335, meaning that for a unit increase in TRB its predicted player salary increases by 1.33% points

- AST= 0.032 meaning that for a unit increase in AST its predicted player salary increases by 0.032% points

- STL= -0.11, meaning that for a unit increase in STL its predicted player salary decreases by -0.11% points

- BLK = -0.076 meaning that for a unit increase in BLK its predicted player salary decreases by -0.07% points

- BPM= 1.37 meaning that for a unit increase in BPM its predicted player salary increases by 1.37% points