Regression model

Y: PTS (points)

X: Minutes Played, 3P%, 2P%, eFG%, FT%

Rationale for choice of X:

The points a player gets depend on how long the player is playing, as well as how efficient he is in scoring (i.e. % scored, a combination of 3P%, 2P%, eFG%, FT%)

Do the results have a good `R Square` value?

The results have a good `R Square` value of 0.82019572

Is your choice statistically reliable?

There are other factors that may contribute to the dependent variables and Games played and minutes played can be interrelated. Also minutes played can be endogenous with the points earned- players get to play more often if they perform well and score more.

Explain what your coefficients mean.

Coefficients explains the extent to which the independent variable influences the dependent variable on average, keeping all other variables constant. In other words, while keeping all other variables constant, one additional minute played increases the player’s score by 0.50375544 on average; an increase of 1% accuracy of 3 point throws increases the score of the player by 0.827647784 on average; an increase of 1% accuracy of 3 point throws increases the score of the player by 1.65985105 on average; an increase of 1% effective field goals decreases the score of the player by 2.0611705 on average (this is unexpected); and an increase of 1% accuracy of free throws increases the score of the player by 0.514030212 on average.

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| --- | --- |
|  | *Coefficients* |
| Minutes Played | 0.50375544 |
| 3P% | 82.7647784 |
| 2P% | 165.985105 |
| eFG% | -206.11705 |
| FT% | 51.4030212 |