|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| SUMMARY OUTPUT |  |  |  |  |  |
|  |  |  |  |  |  |
| *Regression Statistics* | |  |  |  |  |
| Multiple R | 0.904921 |  |  |  |  |
| R Square | 0.818882 |  |  |  |  |
| Adjusted R Square | 0.818577 |  |  |  |  |
| Standard Error | 200.2463 |  |  |  |  |
| Observations | 595 |  |  |  |  |
|  |  |  |  |  |  |
| ANOVA |  |  |  |  |  |
|  | *df* | *SS* | *MS* | *F* | *Significance F* |
| Regression | 1 | 1.08E+08 | 1.08E+08 | 2681.117 | 3.4973E-222 |
| Residual | 593 | 23778456 | 40098.58 |  |  |
| Total | 594 | 1.31E+08 |  |  |  |
|  |  |  |  |  |  |
|  | *Coefficients* | *Standard Error* | *t Stat* | *P-value* |  |
| Intercept | -80.8164 | 13.50951 | -5.98218 | 3.81E-09 |  |
| X Variable 1 | 0.50936 | 0.009837 | 51.77951 | 3.5E-222 |  |
|  |  |  |  |  |  |
|  | *Lower 95%* | *Upper 95%* | *Lower 95.0%* | *Upper 95.0%* |  |
| Intercept | 107.3486546 | -54.284 | -107.349 | -54.284 |  |
| X Variable 1 | 0.490040229 | 0.52868 | 0.49004 | 0.52868 |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

1. Do the results have a good R Square value?
   1. The correlation between points and minutes played produces an R squared value of .819, meaning that roughly 82% of the variation in minutes played can be explained by the number of points scored. This suggests a fairly solid relationship between the two variables.
2. Is your choice statistically reliable?
   1. Because the significance F value is very low (3.4973E-222), this is a statistically reliable choice.
3. Explain what your coefficients mean.
   1. The y-intercept of the line is -80.8 and the coefficient of .51 for minutes played, which means for each increase in points, the number of minutes played increases by .51.