**Abstract:**

**Introduction**: The objective is to figure out who the best all round player was in the NBA season of 2018-19 by looking at some important predictors like points, blocks, steals, assist, and free throw percent per game. The dataset can also be used to find the best defender and best shooter of that season.

**Methods**: ANOVA, hypothesis testing (sample t-test, sample z-test), along with regression analysis are some of the statistical methods that will be used to derive various conclusions. For bivariate analysis methods like simple linear regression, graphing scatter plots, hypothesis testing, and correlation coefficient can help getting to different results. Multiple regression methods can also be used to see the relation between different independent variables and the response variable.

**Results**: Depending on the response and independent variables, for all round best player, it would make sense to see a linear relationship between the independent variables like points, assist, and blocks per game. Graphing different plots and removing outliers will help to make more solid assertions

**Discussion**: Not only the best player, questions like, what predictors help in making the best shooter and defender, can also be discussed. Comparing the results of who the best player was according to the analysis with 2018-19 season’s declared Most Valuable Player (MVP) by NBA will be the final step.