

Writeup:

For our project, our group (Henry Miller and Reid Miller) will be attempting to predict the best choices for fantasy basketball leagues. The main dataset we will be using is “NBA_Player_Stats_2.csv,” which we extracted from the website Kaggle. It contains data on every NBA player from the 1996-97 season through the 2021-22 season, along with the following information: team, games played, games started, minutes played, field goals, field goals attempted, field goal percentage, 3-pointers, 3-pointers attempted, 3-point percentage, 2-pointers, 2-pointers attempted, 2-point percentage, effective field goal percentage, free throws, free throws attempted, free throw percentage, offensive rebounds, defensive rebounds, total rebounds, assists, steals, blocks, turnovers, personal fouls, points, season, and MVP.

This dataset will be extremely useful because it contains all the stats that are used in fantasy basketball scoring for such a large sample of players and seasons. While there are a variety of scoring systems used in different fantasy basketball leagues (Rotisserie, Season Points, Head-to-Head: Points, Head-to-Head: Each Category), they are all based on the information above in some form. This means that we will be able to accurately recreate any individual’s fantasy output from any of these seasons, and that we will be analyzing the stats that directly affect fantasy success.

Collaboration Plan:

We have met to organize our collaboration plan, and we have decided that we will meet weekly on Sundays at 2:00 PM. During these meetings, we will touch base about our progress over the previous week and plan out goals for the coming week.

We plan to use Google Colab to work on this project. We understand that two people working on the same Colab project at the same time can cause information to be overwritten, so we have decided to add any new work on a personal copy of our project before copying and pasting it over to the main one. We also plan to inform the other group-member whenever we plan to update the main project file. This ensures that we do not encounter problems with overwriting while working on this project, but are still able to make progress without any impediment.