ShotQuality Coding Challenge

Please complete the following in any programming language(s). Submit your responses, code, and any other resources you use to complete the questions. **Complete and return this assignment within the next ten days**. Keep in mind that there is no correct answer. Contact Ethan Carpenter via text (410-992-2955) or email (ethan@shotquality.com) with any questions or concerns. Please spend no more than eight hours on this assignment.

Use this dataset (NBA play-by-play for 2021-22) to answer the questions. Find column definitions and descriptions here.

1. Kevin Durant is traded to your team of choice for a top-55 protected second round pick (ignore cap ramifications). Estimate how many points per game each member of the team's new starting five will average.
2. Russell Westbrook and Kyrie Irving are traded for each other. Estimate Irving and LeBron James' assists per game.
3. Consider the 2022 Dejounte Murray trade to Atlanta. Estimate Trae Young and Murray's usage rates for the upcoming season.