A Look at How COVID-19 has affected NBA players' performances

Story

COVID-19 has affected the world we live in, in ways unimaginable. Most of all, we were left without that which keeps so many of us together: sports. And it is no surprise that the lingering effects of quarantine and soldarity played a role in optimum athletic performance.

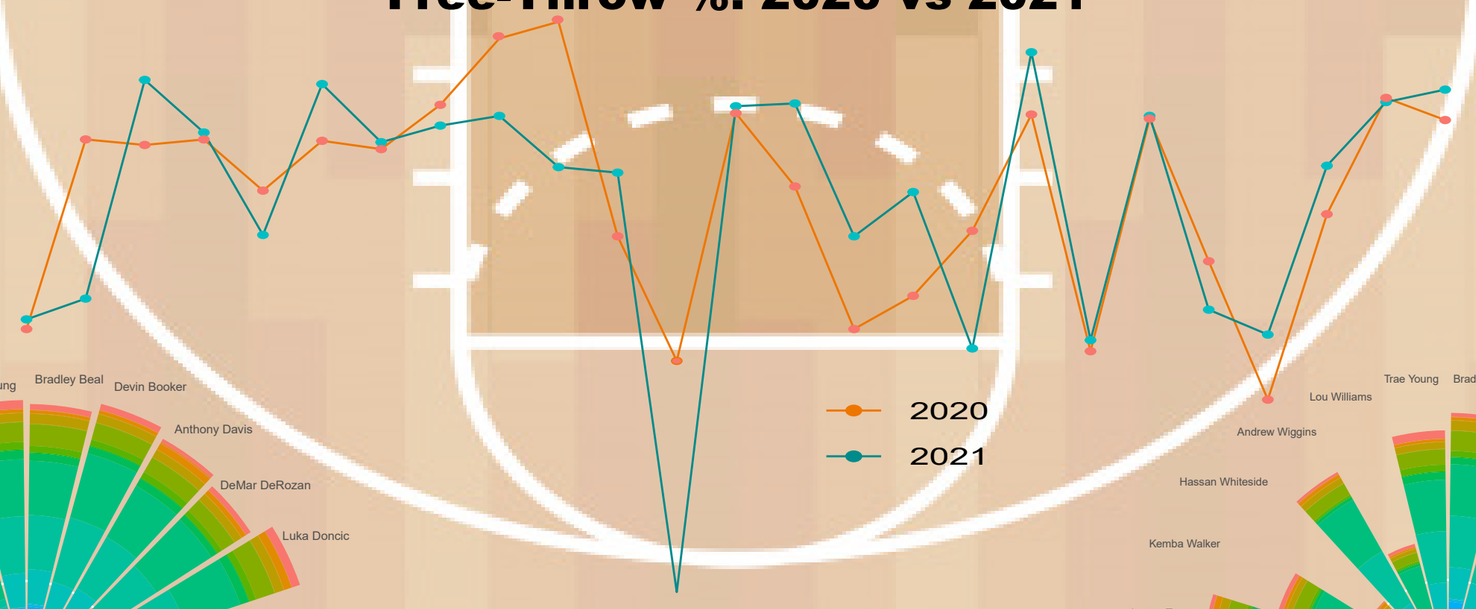
Data

This is NBA player statistics fro 2019-2021. The complete data-set has 536 rows and 30 columns. It was cleaned, subsetted, and aggregated to analyze more in-depth.

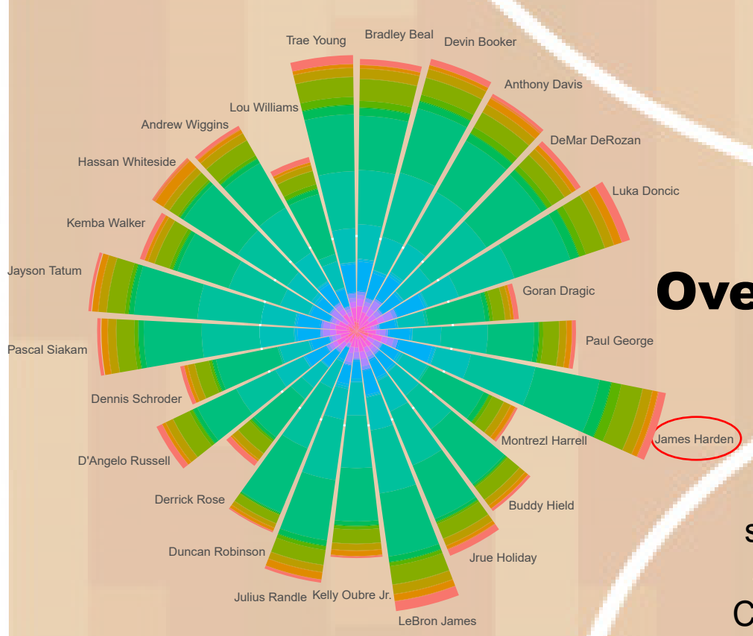
Motivation

As a sports-bettor, seeing this information would be insightful. I would benefit from knowing that the pandemic has an effect on how even the great players perform night in/night out. It will change my certainty in placing a bet.

Free-Throw %: 2020 vs 2021

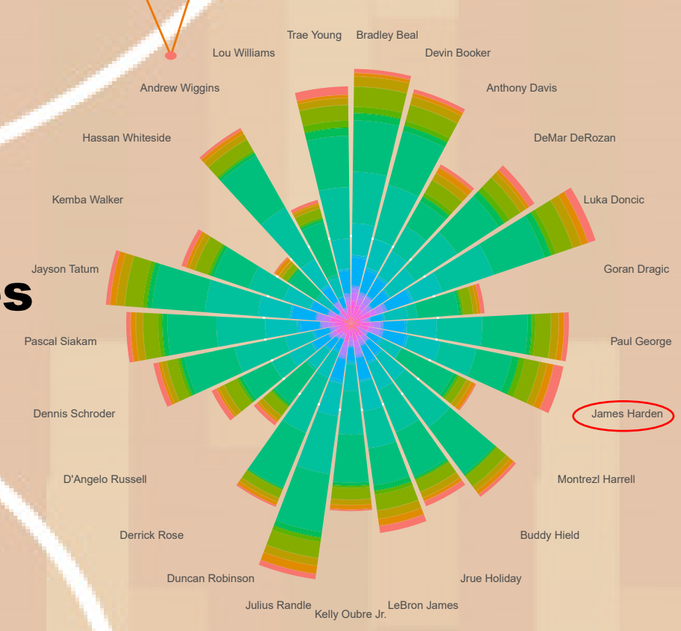


Overall Player Performances



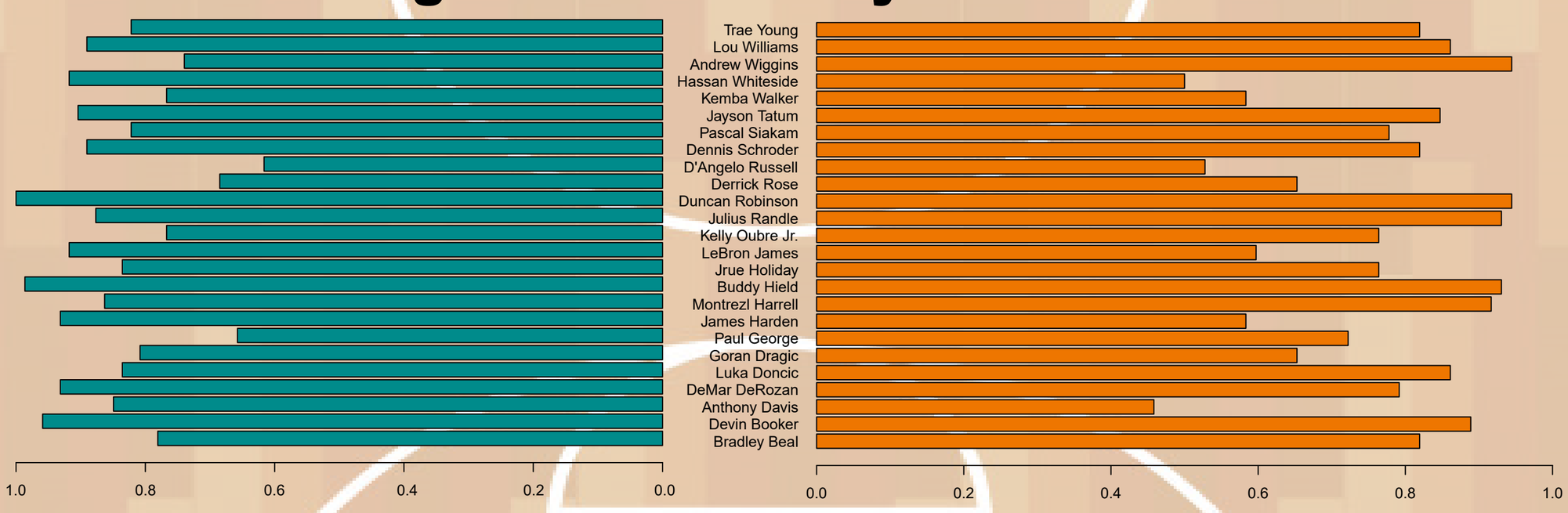
2019-2020

Here we can see a combination of players' stats. On the left we have last season's data, and on the right, we have this season, which is also the season affected b COVID-19. It is easy to tell by the decrease in size of many petals, which represent a player's performance. This lets us visualize just how drastic the difference is, specifically with James Harden(circled).

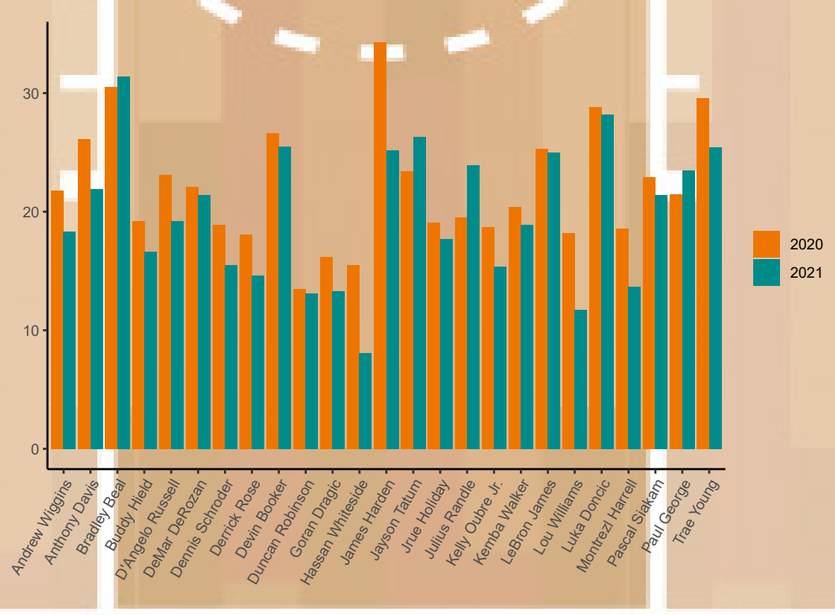


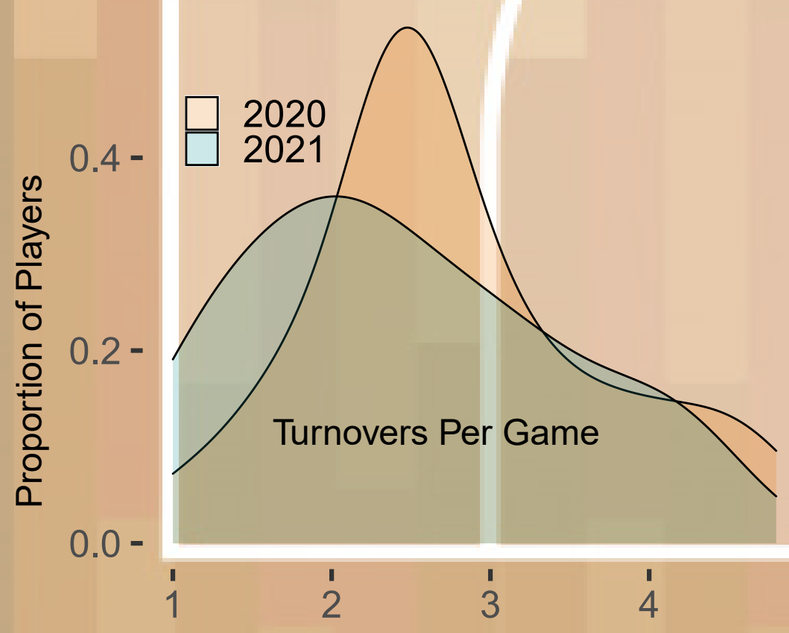
2020-2021

Percentage of Games Played: 2020 vs 2021



Points Per Game: 2020 vs 2021





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R packages: ggplot2, reshape2

Data Source: https://www.basketball-reference.com/

Background: https://www.freepik.com/free-vector/basketball-wooden-court-sport-game_4741879.htm