

Project Title

- Comparing Statistics Across American Professional sports
 - (Focus sports: Basketball, Football, Baseball, Hockey)

Team Members

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Project Description/Outline

In recent times, questions have been raised over fair salaries and equal pay in the sporting world. Specifically, it is often seen as a point of controversy that salaries across various leagues of sports vary to the degree that some players in some leagues with longer seasons are paid less than other players with in leagues with shorter seasons. Moreover, these discrepancies become even more apparent when gender is taken into account. This study examines these discrepancies and their relationship to other variables in the sporting world.

Research Questions to Answer

- Payment comparison
 - Cost benefit
- How long does a person stay in the league vs how many teams they play on throughout their career
- Avg total comp throughout their career
- How long is rookie contract across sports
- How many years between getting to the finals
- How often does a franchise get to the championship
- Does high salary caps ensure championships
- How often team with certain cap/organization funds makes it to the finals
- Binning salary caps

Data Sets to be Used

- **Salary Data:** www.spotrac.com
- **Other Data:** <https://www.mysportsfeeds.com>

Rough Breakdown of Tasks

- Data Exploration
- Explain the factors that are used to determine a player's individual salary, contracts, etc. in each given sports league for which data was obtained.
- Compare different aspects of sports to one another
- Create comparison visualization
- Conclusion