Group Number: 4

Project Title: NBA V.S. WNBA

Base question: Why is the NBA more successful than the WNBA?

• Do NBA players have better stats than WNBA players? (Stats: Field goals, Free throw percentage, Free throws, 2 Pointers, 3 three points, Steals, Assists, Rebounds)

• Does the NBA receive or spend more money than the WNBA? (Sales, Marketing, player salaries)

• Does the NBA have more viewership or attendance than the WNBA? Does the NBA have better timeslots?

• Does the NBA have better sponsorship than the WNBA? Does team ownership have an impact on the leagues?

• Who are the highest and lowest paid players in the NBA and WNBA? Are there any notable differences between the players?

• Are there differences between contracts in the NBA and the WNBA?

Specified Dataset(s)/API(s) and breakdown of tasks (subject to change):

Player datasets: Field goals, Free throw percentage, Free throws, 2 Pointers, 3 three points, Steals, Assists, Rebounds, teams, starting 5 players for each team (3 seasons 2019-2022)

Member(s) - Keyshawn & Evan

<https://www.nba.com/stats>

<https://stats.wnba.com/>

<https://www.wsn.com/nba/nba-vs-wnba/>

<https://www.basketball-reference.com/wnba/players/h/howarna01w.html>

<https://www.nba.com/stats/quicklinks>

<https://github.com/wyattowalsh/nba-db>

<https://www.nbcsports.com/wnba>

<https://www.acrossthetimeline.com/wnba/awards.html>

<https://www.espn.com/wnba/schedule/_/date/20230731>

<https://rapidapi.com/api-sports/api/api-nba>

Expenditure: Sales, Marketing

Member(s) - Keyshawn

https://www.spotrac.com/wnba/contracts/sort-value/draft-year-1970/limit-100/

<https://www.sportico.com/feature/most-valuable-nba-franchises-chart-1234697996/>

<https://www.nbcsports.com/wnba>

<https://runrepeat.com/nba-revenue-statistics> (might be for shoes)

<https://www.espn.com/wnba/schedule/_/date/20230731>

Viewership/Attendance:

Member(s) - Yelimi

https://www.espn.com/nba/attendance/\_/year/2021

https://www.espn.com/nba/attendance/\_/year/2020

<https://pr.nba.com/nba-viewership-tnt-espn-abc/>

<https://www.kaggle.com/code/jinxbe/comparing-wnba-vs-nba-player-stats>

<https://www.basketball-reference.com/wnba/players/h/howarna01w.html>

<https://www.wsn.com/nba/nba-vs-wnba/>

<https://www.kaggle.com/datasets/wyattowalsh/basketball>

<https://www.acrossthetimeline.com/wnba/awards.html>

<https://www.espn.com/wnba/schedule/_/date/20230731>

Sponsorship:

Member(s) - Meredith

<https://www.sportico.com/feature/most-valuable-nba-franchises-chart-1234697996/>

<https://www.nbcsports.com/wnba>

<https://runrepeat.com/nba-revenue-statistics> (might be for shoes)

<https://www.acrossthetimeline.com/wnba/awards.html>

<https://www.espn.com/wnba/schedule/_/date/20230731>

Highest/lowest paid players:

Member(s) - Maria

https://www.spotrac.com/wnba/contracts/sort-value/draft-year-1970/limit-100/

<https://www.spotrac.com/nba/contracts/>

<https://www.nbcsports.com/wnba>

<https://www.acrossthetimeline.com/wnba/awards.html>

Player contracts:

Member(s) - Evan

https://www.spotrac.com/wnba/contracts/sort-value/draft-year-1970/limit-100/

https://www.spotrac.com/nba/contracts/

https://www.basketball-reference.com/wnba/players/h/howarna01w.html

<https://www.wsn.com/nba/nba-vs-wnba/>

<https://www.nbcsports.com/wnba>

<https://runrepeat.com/nba-revenue-statistics> (might be for shoes)

<https://www.acrossthetimeline.com/wnba/awards.html>

<https://www.espn.com/wnba/schedule/_/date/20230731>

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| **NBA Teams** | **WNBA Teams** |
| Atlanta Hawks | Atlanta Dream |
| Chicago Bulls | Chicago Sky |
| Dallas Mavericks | Dallas Wings |
| Indiana Pacers | Indiana Fever |
| Los Angeles Lakers | Los Angeles Sparks |
| Phoenix Suns | Phoenix Mercury |
| Minnesota Timberwolves | Minnesota Lynx |
| New York Knicks | New York Liberty |
| Golden State Warriors | Las Vegas Aces |
| Oklahoma City Thunder | Seattle Storm |