



NBA DATA ANALYSIS

TEAM 11

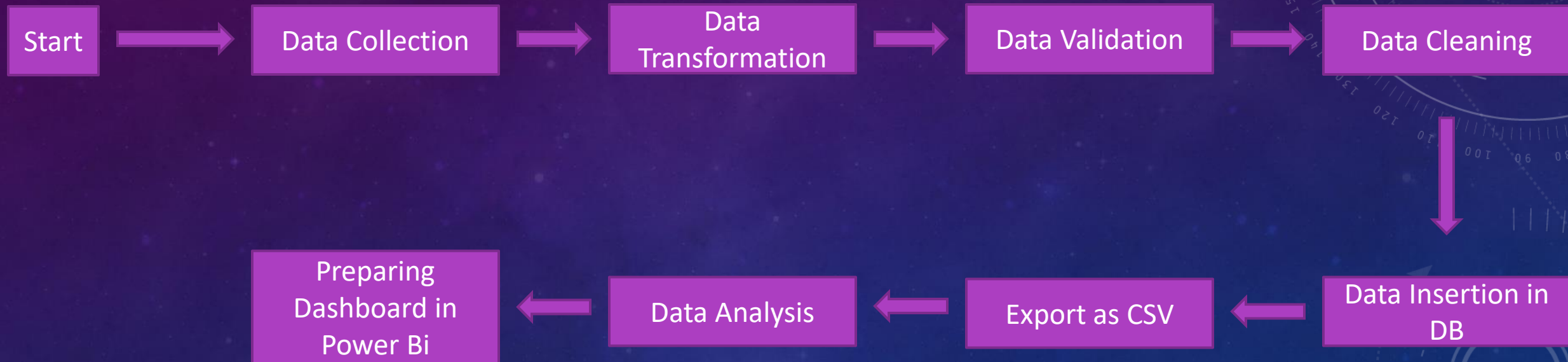
Objective:

To extract relevant data on player performance, team performance and overall game outcomes

Benefits:

- Detection of skills.
- Gives better insight of players and game performance.
- Helps in managing resources.

Overall Process



Analysis

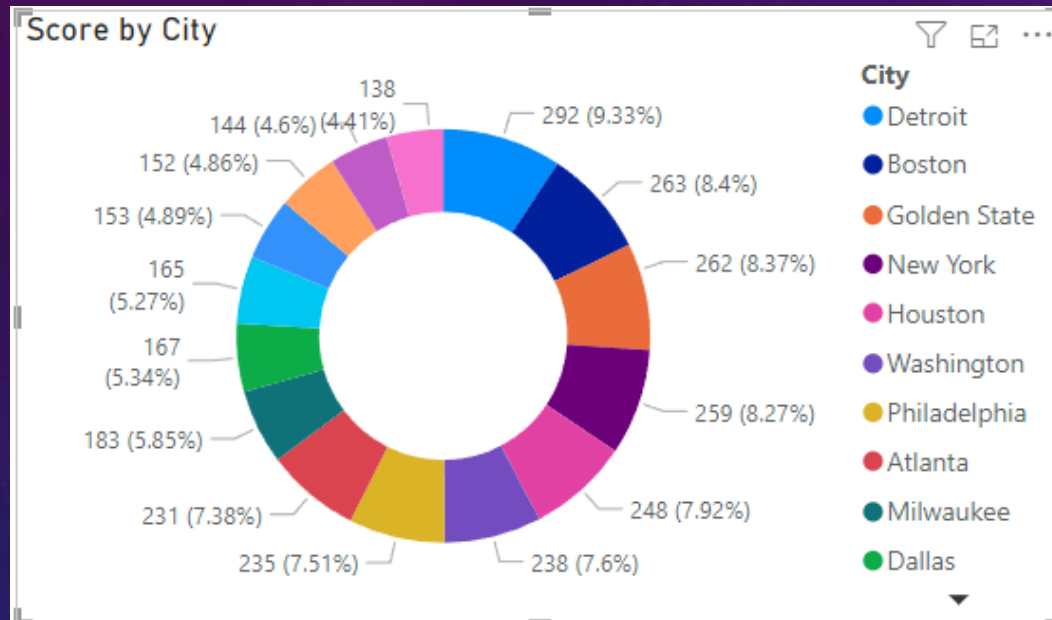
1. Top 20 player performance based on the score
2. Top 20 score by city
3. Top 10 winning team cities with team coach
4. Top 10 Schools by top players
5. Home Vs Away by season
6. Score by Team & Position
7. A win matrix of Home Team Vs Away Team
8. All outputs in Powerbi

Top 20 player performance based on the score



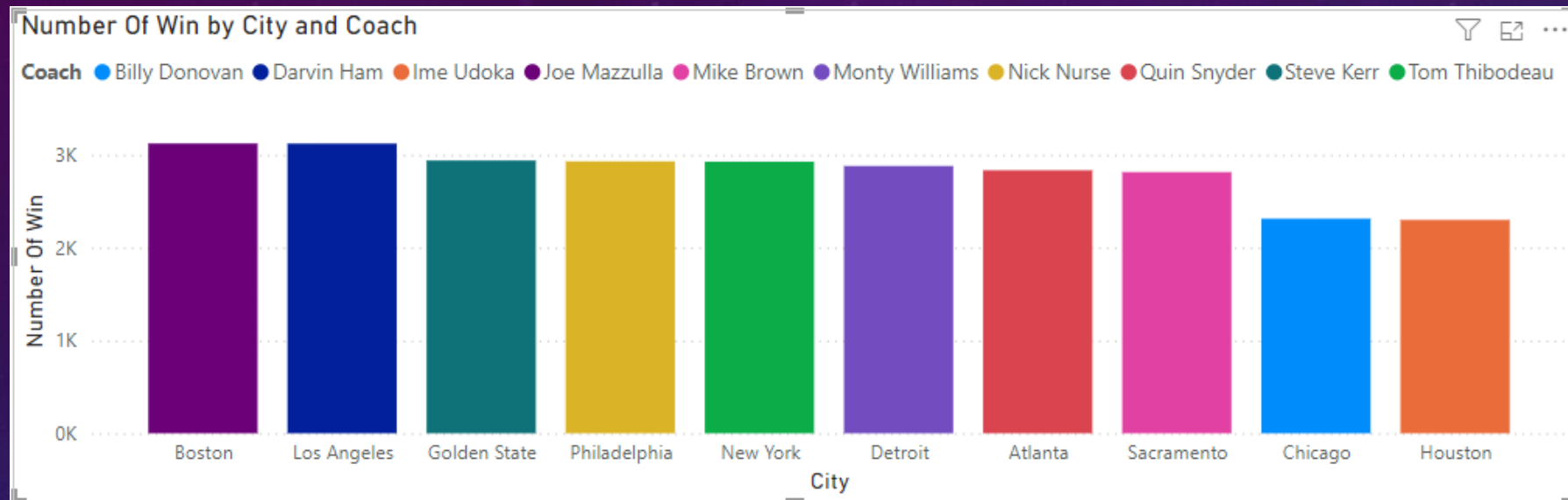
Findings: The chart shows a steady decline in scores from Vince Carter (23) to John Stockton (19), indicating a downward trend in player performance.

Top 20 Score by city



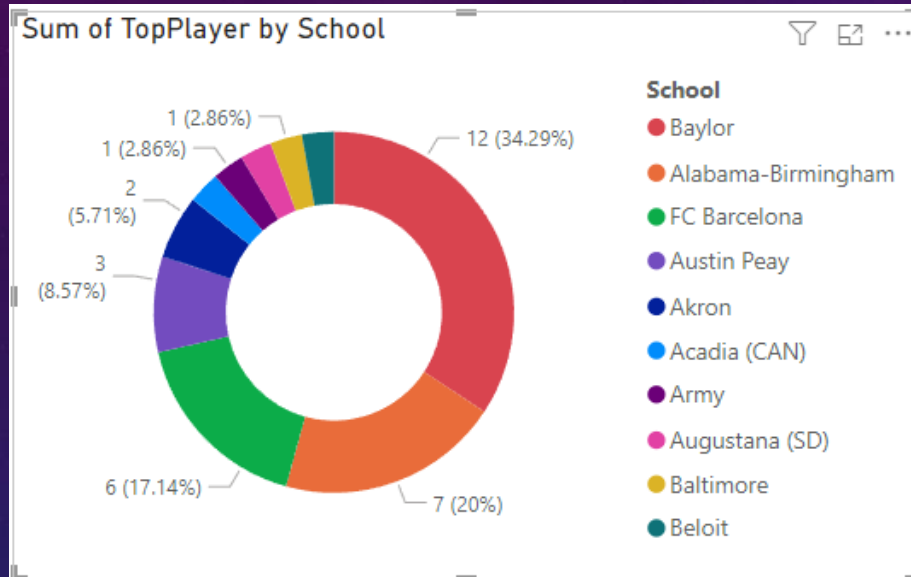
Findings: The donut chart shows score distribution by city. Detroit has the highest at 9.33%, followed by Boston and Golden State. Most other cities contribute between 7% and 8%. Milwaukee and Dallas have the lowest, around 5% or less.

Top 10 winning team cities with team coach



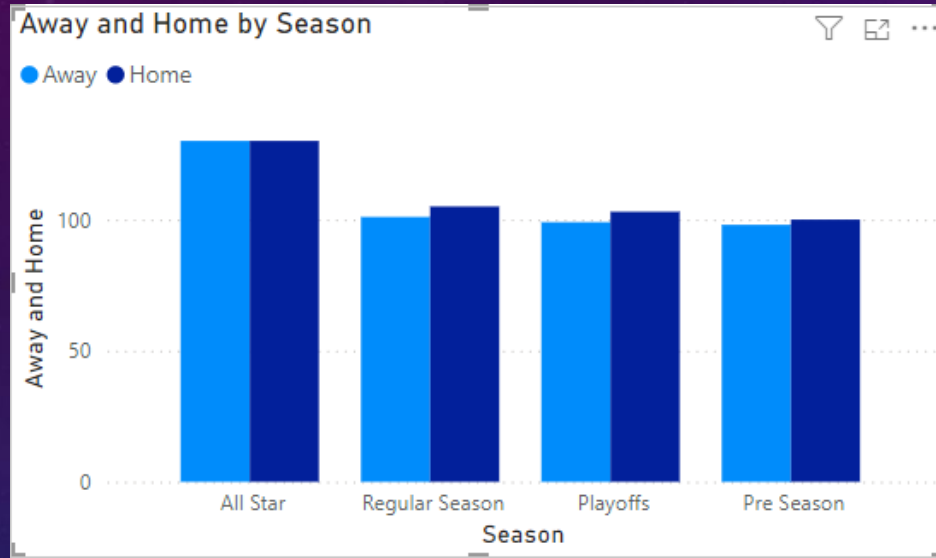
Findings: The bar chart shows the number of wins by city and coach. Boston and Los Angeles have the most wins, followed by Golden State and Philadelphia. New York, Detroit, and Atlanta are in the middle, while Sacramento, Chicago, and Houston have the fewest.

Top 10 Schools by top players



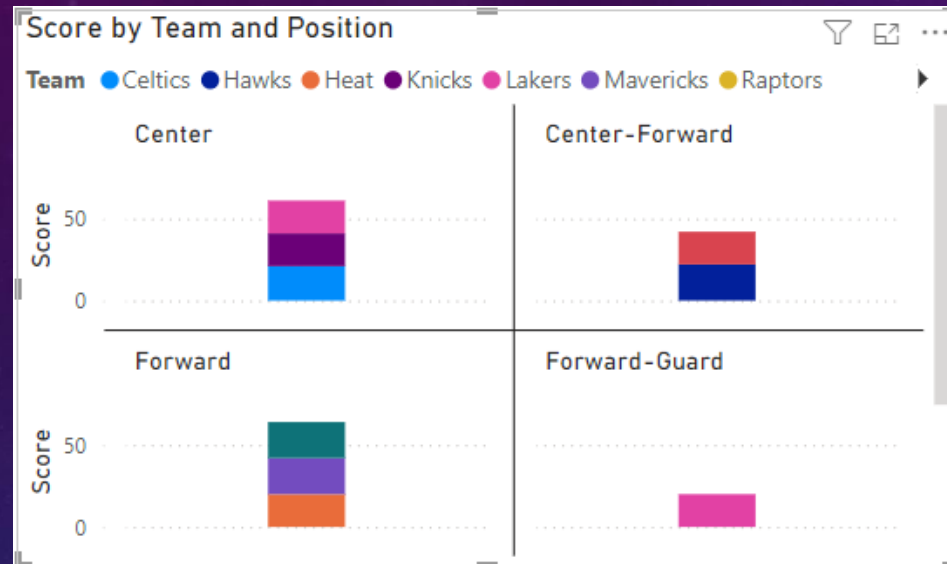
Findings: The donut chart shows top players by school. Baylor leads with 34.29%, followed by Alabama-Birmingham (20%) and FC Barcelona (17.14%). The rest have fewer players, each contributing less than 10%.

Home Vs Away by season



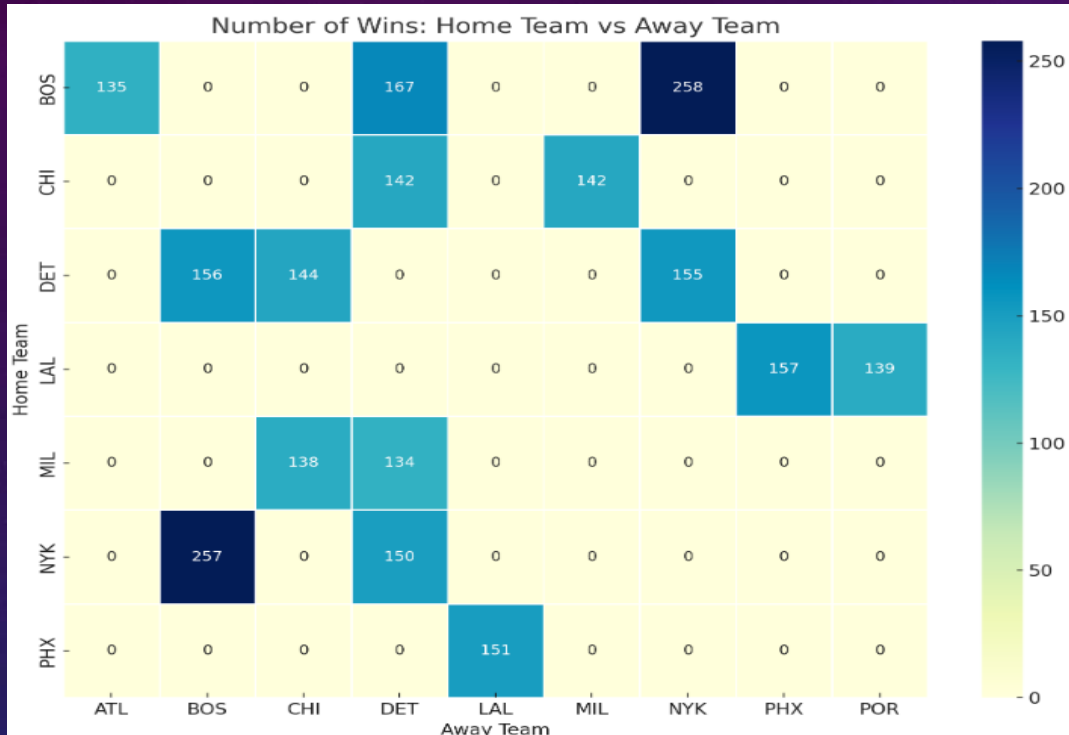
Findings: The chart shows minimal differences between Away and Home games across all seasons (All Star, Regular, Playoffs, Pre Season), with Away games slightly higher in the All Star and Regular seasons. Overall, the distribution is balanced.

Score by Team & Position



Findings: The chart shows team scores by position. The **Center** and **Forward** positions have the highest scores, with major contributions from the Lakers, Celtics, and Mavericks. The **Center-Forward** and **Forward-Guard** positions have lower scores, with notable input from the Heat and Lakers respectively.

A win matrix of Top 10 Home Team Vs Away Team



Key Insights:

High Wins: Boston (BOS) has the highest number of wins against New York (NYK) with 258 victories.

Notable Performances:

New York (NYK) has 257 wins against Boston (BOS).

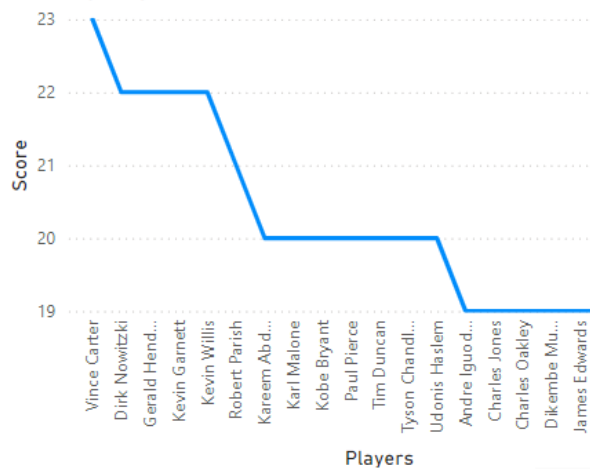
Los Angeles (LAL) has strong performances with significant wins against Phoenix (PHX) (151) and Milwaukee (MIL) (138).

Detroit (DET) has evenly matched wins against both Milwaukee (MIL) and Chicago (CHI), with 156 and 144 wins, respectively.

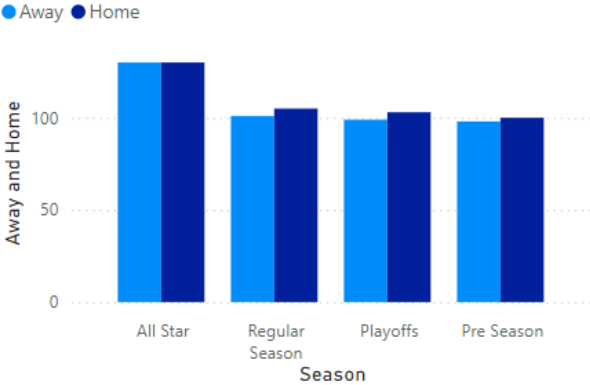
Zeros: Some matchups have zero wins recorded, indicating that no games were won by the home team in those cases.

All outputs in Powerbi

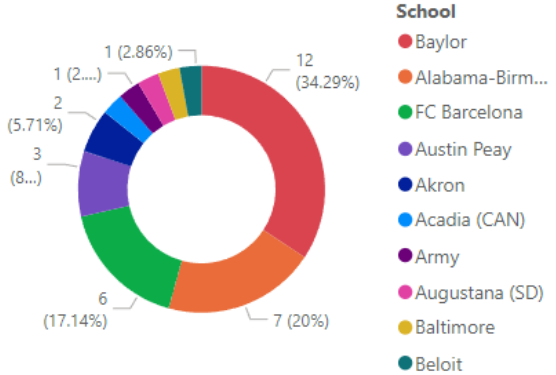
Score by Players



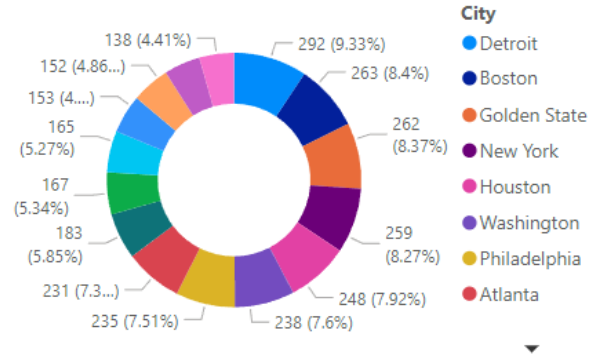
Away and Home by Season



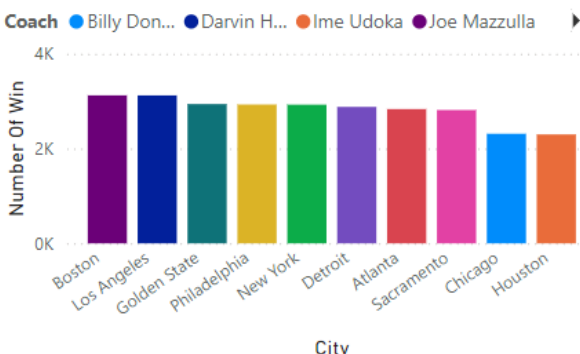
TopPlayers by School



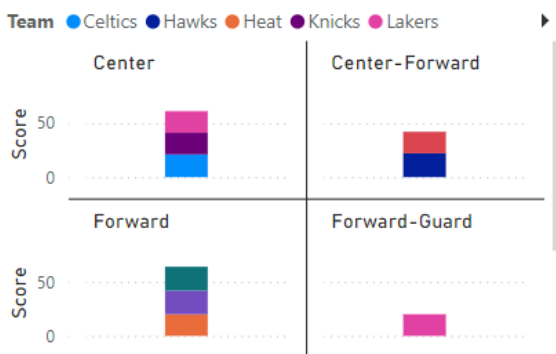
Score by City



Number Of Win by City and Coach



Score by Team and Position





Thank you