

Lebron Jenkins - 2003 to 2020 NBA visualized

Milestone 2

Goal

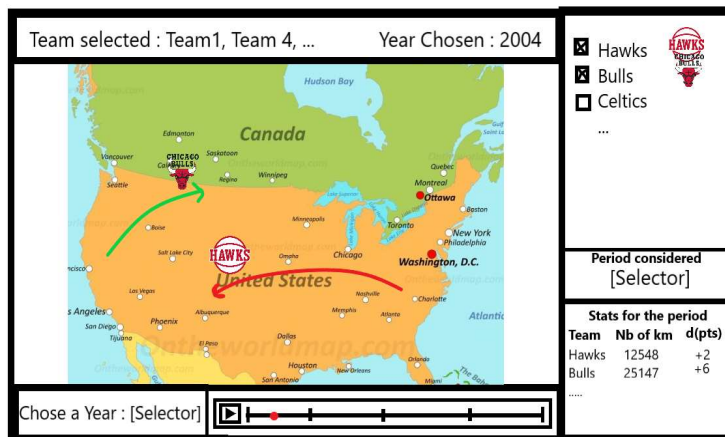
Use interactive visualizations to provide a deeper understanding of NBA success factors of players and teams.

Outline

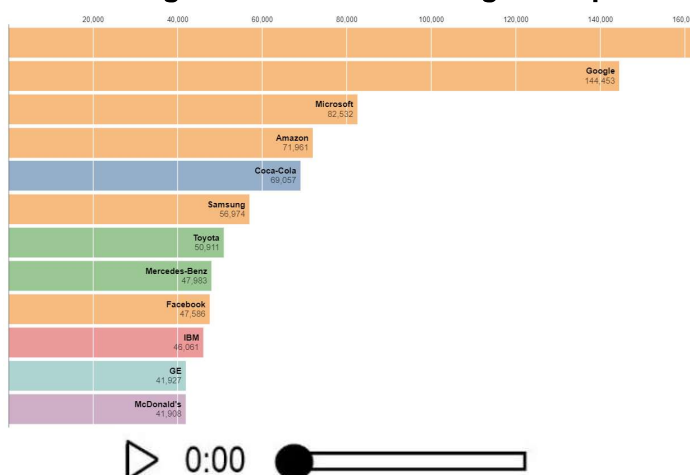
The current drafty stage of the website can be found [here](#).

1 - How does traveling impact teams interactive visualization on map

For this, we will let the user choose a set of teams that will be put on the map and will move following the journeys they did during the season. Moreover, a table with statistics will be displayed that shows the number of kilometers and the number of points it did during the last period selected.



2 - Is ranking volatile? team ranking timelapse



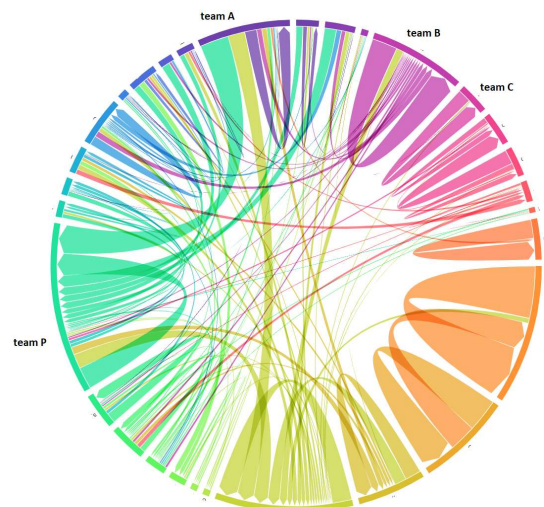
3 - What makes a strong team?

Fantasy basketball:

Make your teams and visualize comparative stats



4 - How do 1-on-1 relationships fare? Who wins against who?



Tools

We will use the following lectures and tools in our project:

General:

d3 in a given version to be decided, multiple templates.

GitHub pages for deployment.

Python and pandas for preprocessing.

Lectures: interaction, do and don't in viz, storytelling, web development.

Many assets can be loaded directly from the NBA website directly.

Visualisations:

1. maps, interaction
2. interaction
3. interaction
4. graphs

Task list

Blue: MVP

Black: extra ideas

- ☐ Website architecture
 - ☒ hosting
 - ☒ header and navigation
 - ☐ general design choices and implementation
- ☐ Viz 1 : map
 - ☐ d3 map
 - ☒ timelapse toggle and play button
 - ☐ get team icons images (similar with viz1,2)
 - ☐ team selector and query
 - ☐ query with number of kilometers done for a given period
 - ☐ visualize travelling on map
 - ☐ incorporate other statistics in visualization (winrate evolution, points score over season...)
- ☐ Viz 2 : ranking timelapse
 - ☒ pandas ranking computation

- ☐ embed d3
- ☐ play pause manually scroll cursor
- ☐ Viz 3 : fantasy basketball
 - ☒ player selector
 - ☒ player query
 - ☒ player images
 - ☒ pages or scrolling
 - ☒ drag and drop to field
 - ☐ stats
 - ☐ query with player ids (maybe need more pandas preprocessing)
 - ☐ expected winner
 - ☐ decide what to plot (many choices!)
 - ☐ add an interactive choice of what to plot?
- ☐ Viz 4: who beats who
 - ☐ embed d3
 - ☐ season selector cursor (similar with viz 1,2)
 - ☐ fix team positions around circle
 - ☐ get team icons images (similar with viz1,2)
 - ☐ color team by ranking
 - ☐ if needed more preprocessing
 - ☐ if needed explanation of visualization
- ☐ Polish