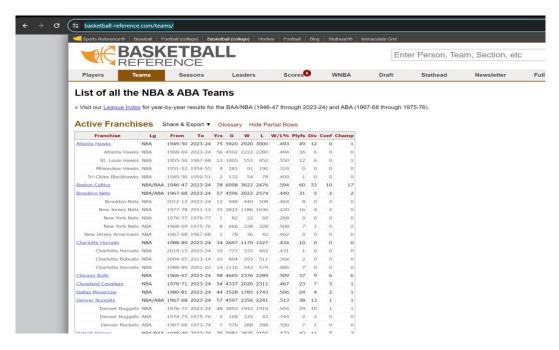
## **Assignment 4**

### Web Scrapping with Power BI

1. Select a website page/URL of your own choice (look for table format) which has some numeric/measurable fields and values (10 points). Provide screenshot of the website page you want to scrape.

Selected website URL- https://www.basketball-reference.com/teams/

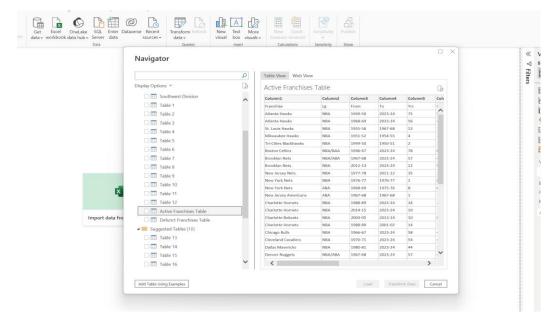
Screen shot of the selected website



Using the selected website in Power Bi

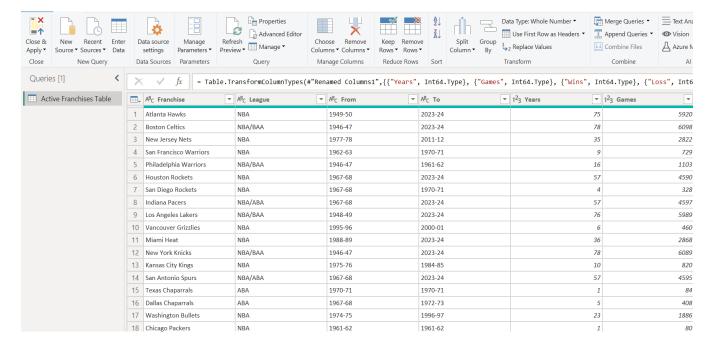


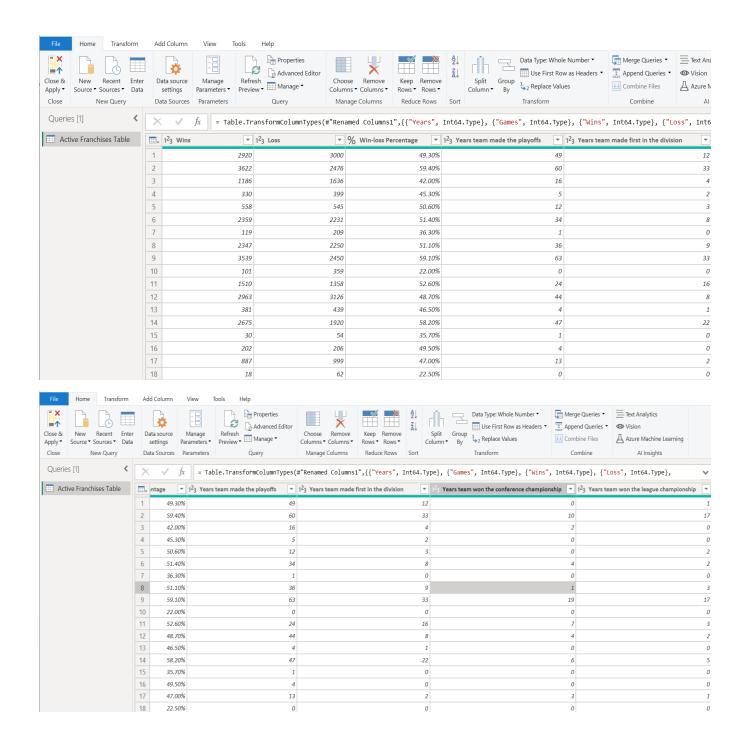
- 2. Scrape it using Power BI desktop (see Tutorial below for steps). Provide screenshot of the final cleaned up table in the Power Query Editor before applying it to the report (30 points).
  - Selecting the 'Active Franchises table' for data transformation in power query editor.



Transformed data using power query editor.

#### **Data after transformation**

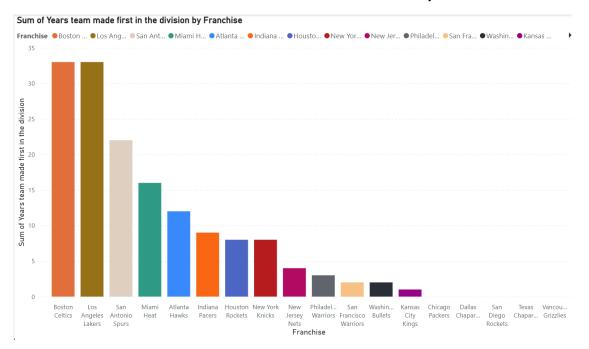




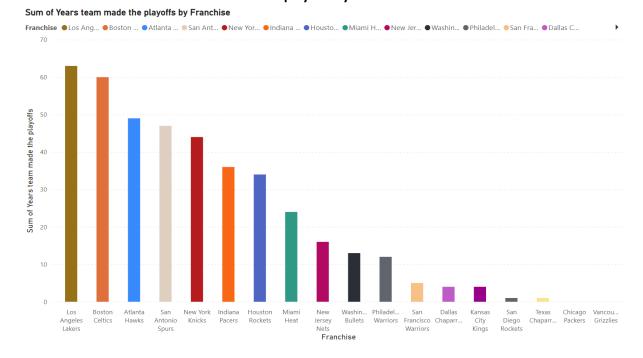
3. Create at least 4 visualizations and then Publish your report to Power BI cloud service. Give 'Titles' to each of the visualizations, they should have appropriate font size for easy readibility, not too busy (use filters as applicable) (40 points).

#### **Visualizations:**

Stacked column chart: Sum of Years team made first in the division by Franchise

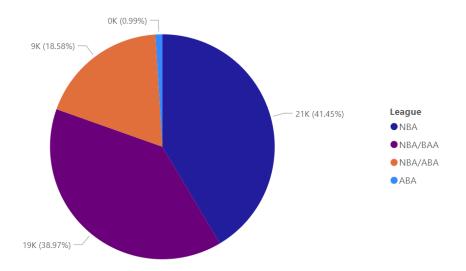


• Ribbon chart: Sum of Years team made the playoffs by Franchise



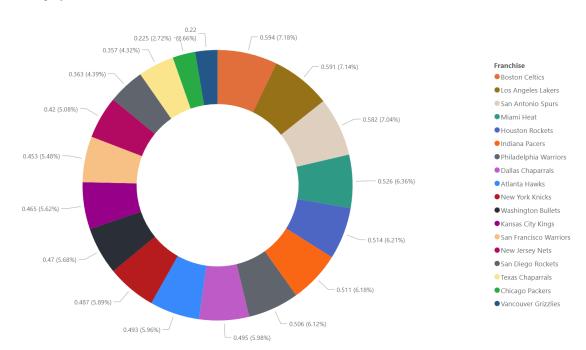
# Pie chart: Sum of Games by League

## Sum of Games by League

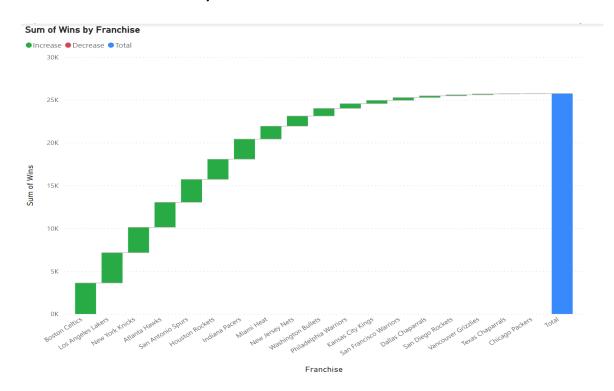


# • Donut chart: win-loss percentage by franchise

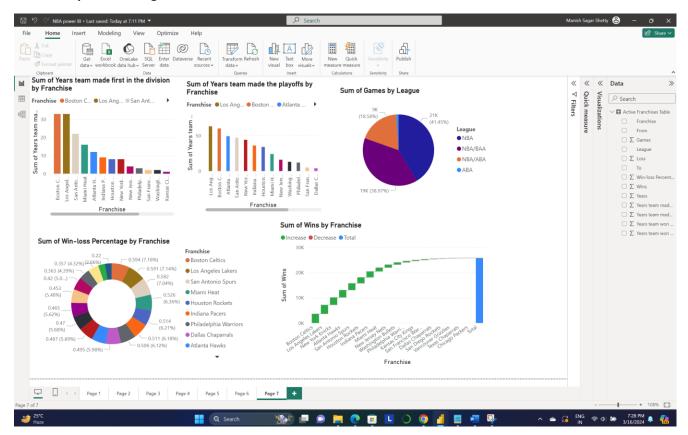
Sum of Win-loss Percentage by Franchise



• Waterfall chart: Sum of wins by franchise.



• Report showing all the visualizations:



- 4. In Power BI cloud service create a Dashboard showing the 4 visualizations. (20 points). Provide a screenshot of the full Dashboard.
- Published the report to the Power BI cloud and created a dashboard in the cloud.

## Dashboard showing all the visualizations:

