**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

**A screenshot of a computer

Description automatically generated**

* Using the selected website in Power Bi

A screenshot of a computer

Description automatically generated

**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.

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* Transformed data using power query editor.

**Data after transformation**

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A screenshot of a computer

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**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**

**A graph with different colored bars

Description automatically generated**

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

**A graph of different colored bars

Description automatically generated**

* **Pie chart: Sum of Games by League**

**A pie chart with numbers and a few different colored circles

Description automatically generated with medium confidence**

* **Donut chart: win-loss percentage by franchise**

**A colorful circle with text

Description automatically generated**

* **Waterfall chart: Sum of wins by franchise.**

**A green and white graph

Description automatically generated**

* **Report showing all the visualizations:**

**A screenshot of a computer

Description automatically generated**

**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:**

**A screenshot of a computer

Description automatically generated**