**Team Members:**

Subhanjan Baral

**Thesis Statement:**

The development and application of sports analytics have been pivotal in transforming basketball strategies, with teams that embrace analytics outperforming those that rely solely on traditional methods.

**Data Sources:**

<https://www.statmuse.com/nba/ask/warriors-record-over-last-10-seasons>

https://www.basketball-reference.com/

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

**RoadMap/ Sketch:**

Define the thesis with proper reasoning.

Collect and prepare data. This includes filtering unwanted data as well as searching for more valuable data in this regard.

**Analytical Approach:**

Descriptive Analysis:

* Compare GSW's analytics metrics (e.g., TS%, 3PA/game) with league averages.
* Highlight trends in analytics usage across the league and GSW's relative position.

Inferential Analysis:

* Build a regression model predicting GSW’s win percentage based on TS%, 3PA, and other key metrics.
* Compare model results with other teams to show the relative impact of analytics.

Visualization:

* Plot league-average trends in 3PA and TS% from 2016–2022.
* Show a side-by-side comparison of GSW's metrics and league averages.
* Visualize actual vs. predicted win percentages using the regression model.

**Figures Showing Preliminary Analysis of Data:**

A graph of a number of people

Description automatically generated

A graph with numbers and a line

Description automatically generated