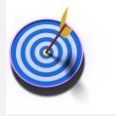# NFL Super Bowl Study Group 4

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Appendix

- Problem Statement
- Description of Data
- Conclusions
- Dataset limitations
- Possible tables and/or graphs

Problem Statement

This is an analysis of a dataset of the history of Superbowl's, that is available on kaggle.com. The major purpose of this project is to answer some questions that our team has about the Super Bowls through time, such as:

- How many points do you need to win a Super Bowl?
- Who is the player with the most MVPs?
- Which teams have won the most Super Bowls?
- How many points the winners scored?
- What was the margins of victory over the years?
- Where have the Super Bowls been held?

Description of Data

When looking for a good data set, we needed at data set that was complete, easy to access, and well documented.
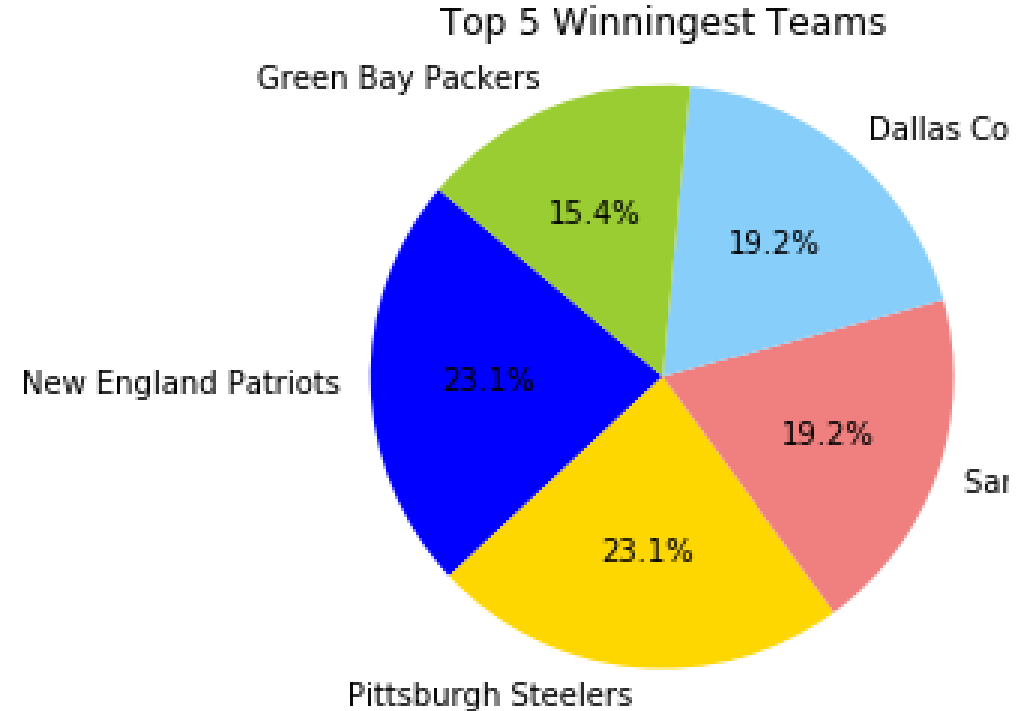
The dataset is very clear and straightforward, it shows statistics for each Superbowl throughout the years. This data is enough for us to be able to answer our questions and finalize with our conclusions.

Transformation of Data

The data set had the date and it was changed to date time. This was changed by using a datetime function. Also the stadium locations were given without geolocational coordinates and we change Super Bowl numbers from roman numerals to regular numbers. We created Margin of Victory column in the data set
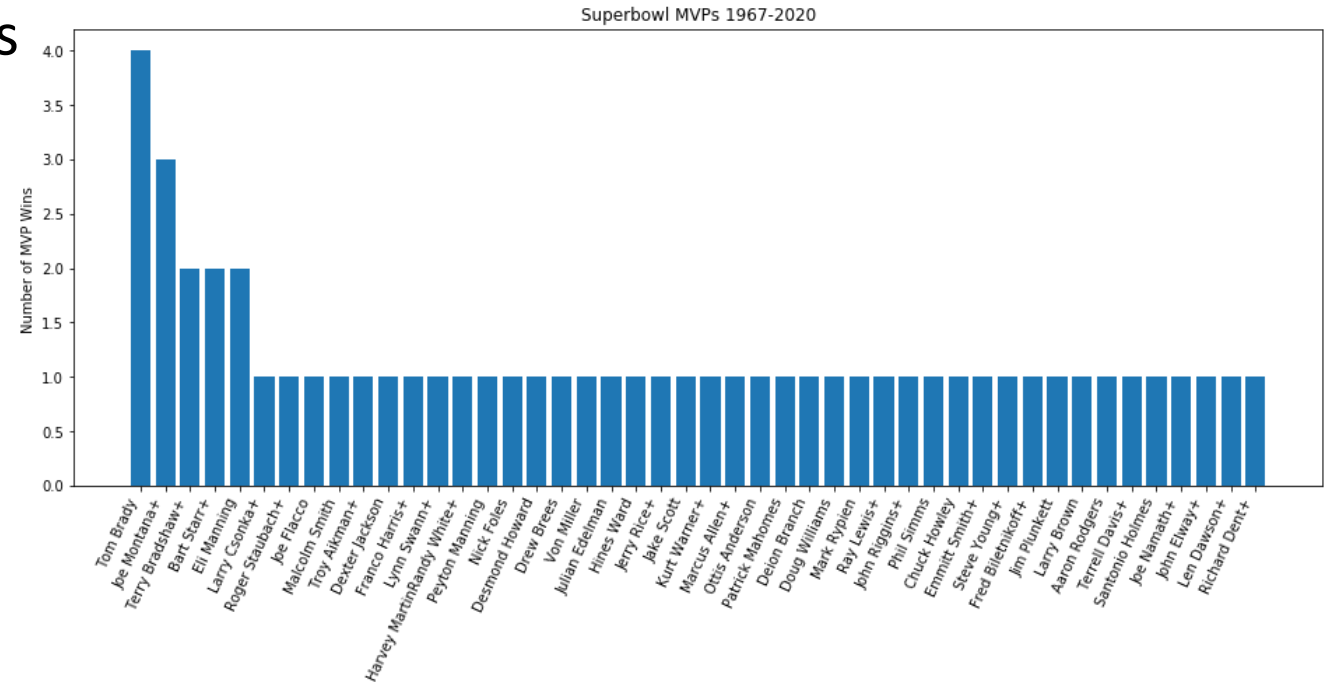
Conclusions

- New England Patriots and Pittsburg Stealers are the teams with more Superbowl's Championships with six each one.

- These 5 teams combined for 26 of the 54 total Super Bowls won.

Top 5 Winningest Teams

Green Bay Packers

Dallas Co

15.4%

19.2%

New England Patriots

23.1%

19.2%

Sar

23.1%

Pittsburgh Steelers

Conclusions

- The initial hypothesis was that Tom Brady has the most MVPs.

- Tom Brady has been the player with most MVPs

Superbowl MVPs 1967-2020

Conclusions

- The margins of Superbowl's has increase over the years

- This data was collected by finding using the difference in scores from each Super Bowl.

- The points scored by the winners over time stayed relatively consistent, but the points scored by the losers has increased.

- As time has progressed, there is a smaller margin of victory, meaning the games have become more competitive.

Superbowl Margins of Victory 1967-2020
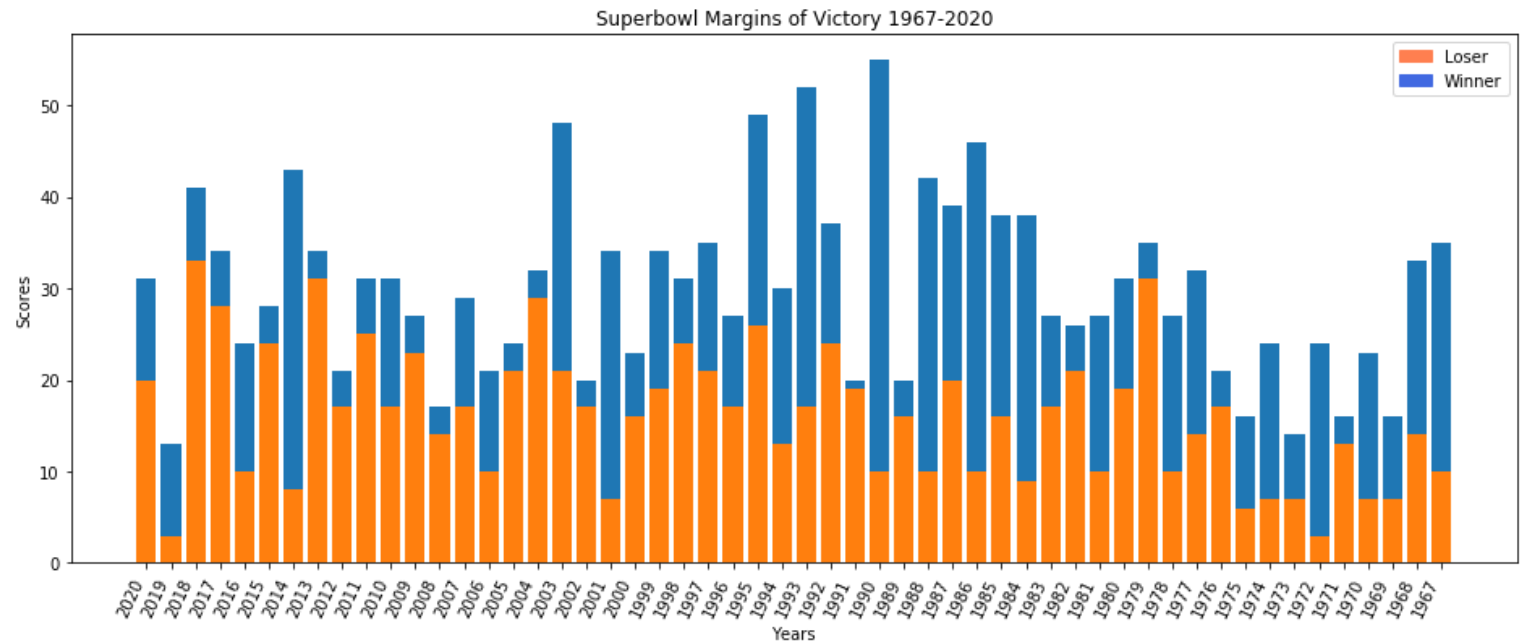
Conclusions

- Mimi is the city with more Superbowl's, and most of them have been on the south of the country.
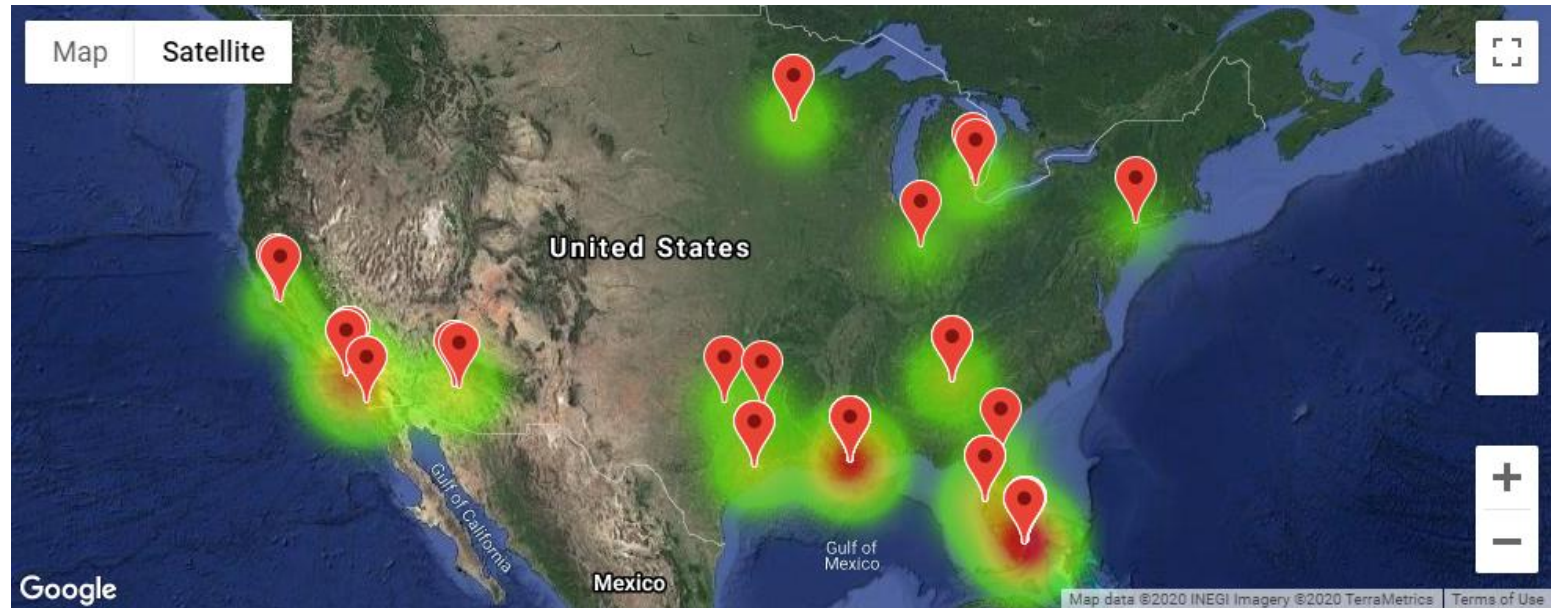
Limitations

The dataset was very limited, it only contains the basic information about Superbowl's. We consider we could make a deeper analysis with more statistics.

53 rows, one for each Superbowl

10 columns of data/statistics

The data painted a pretty good picture of Super Bowl History data but we did not have enough information to accurately predict future information.

Possible tables and/or graphs

- We could have made beans for different time periods and compare how Superbowl's have change throughout the years the years.