

Predicting the winner of the superbowl from the playoff field

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We both would work on it if it got chosen (10/10)

1. Description of the project

Every season the NFL culminates in its grand finale, the super bowl. Each team aspires to claim the coveted Super Bowl title, earning the distinction of being the best football team in the world for that year. Fans eagerly seek to predict the victor, aiming to garner favor among their peers or even to capitalize on the estimated \$16 million in wagers placed on this event. With the growing influence of moneyball and analytics, we aim to explore the possibility of predicting the Super Bowl winner using the art of machine learning. Our objective is to uncover the key factors that contribute to a team's journey to Super Bowl champion status.

2. What features the data set might include

For the data we would be looking at some team stats such as how many more wins than losses, point differential, touchdowns, and takeaways. We will also look at some conditionals that you might not see normally, like whether the starting QB in the playoffs was the team's number one quarterback, or how many fouls the team averages per game. Whether the defense and offense rank in the top 25% of teams. Given the multitude of potential features, our project will involve extensive data cleaning to identify the essential variables required to achieve our desired outcomes of determining Super Bowl champion..

Win loss diff	Margin of victory	Yards per pass	Turn overs	Take aways	Yards per rush	QB is QB1	Red zone offense	Red zone defense	Won superbowl
10	10.6	6.8	27	27	5.2	yes	.603	.449	no

3. How and from where would the data set be gathered and labeled

[2022 Buffalo Bills Rosters, Stats, Schedule, Team Draftees, Injury Reports | Pro-Football-Reference.com](#)

This is just one site that we pulled our data from, there could be others that we check out and see exactly what stats are available. Whether we automate it or not, we can pretty easily grab the info.

[Scraping Pro Football Reference with Python | Steven Morse \(stmorse.github.io\)](#)

This link talks about how you can scrape some of that information