

Our project uses data from Kaggle, sourced from a comprehensive dataset on college football statistics. This dataset provides in-depth team statistics for all Football Bowl Subdivision (FBS) teams, including various aspects of team performance such as offensive, defensive, turnover, and special teams metrics. Specifically, our analysis focuses on third-down scenarios, with data covering offensive third-down attempts, conversions, and percentages, as well as defensive third-down stop rates and opponent conversion statistics.

The dataset includes around 145 team statistics, offering a detailed view of performance across several categories. For example, it includes offensive metrics like total yards, touchdowns, and yards per game, alongside defensive metrics such as yards allowed and third-down defense performance. Additionally, there are rankings for each team in key areas, such as offensive rank, defensive rank, and third-down performance, which we use to analyze the importance of third downs in relation to overall team success.

The data is drawn from the NCAA's stats website, which aggregates and presents a wide range of statistics for college football teams. This allows for a thorough examination of how third-down performance correlates with overall team success in the 2023 college football season. By utilizing this dataset, we aim to explore the critical role that third downs play in determining the outcome of college football games.