After identifying our business problem. Here is our plan of action.

First of all, we need to create a dataset that fulfills our objective. The ones available online provide incomplete information, such as only covering one season, and we want information from multiple seasons. Moreover, we want advanced stats, not just simple ones such as # wins or field goal percentage. Basketball reference will be our primary source. The website contains stats of each team and player since the 1940s.

The next step is to perform data exploration to determine which variables may lead a team to have high chances of winning the title.

Next, most importantly, the development of our machine learning model, which could be regression or classification. The main idea is to use only regular-season data of a specific season to predict the number of post-season games. Our logic here is that the team with the highest expected number of post-season wins will have the highest odds of winning the championship.

And the last step is to analyze our results to provide a recommendation strategy for betting companies or sports bettors.

