College Basketball Analysis

**Description**:

For this project I am going to look at data from college basketball from the years 2003 to 2018 and figure out what is the most important thing to make a winning team. I also want to look at how the game has changes over the years, was the ways teams won 15 years age a lot different than now. By the end of this I will compare my results to what happened this season(2022) and see If the results I got can predict what is going to happen.

**Data:**

I will be using R Studio to analyze all the data and solves all the different question that I want to investigate. I got the game data from excel sheet that has over 18,000 games recorded which should help give me better graphs and a better output. In this data a can see all the regular season and post season games from 2003 to 2018 and see what the tournament seeding were, so this will let me compare the good team’s vs the teams that were not good enough to make it to the tournament.

**Outline**:

* First I need to clean up all the data in the excel sheets so that it will we quick and easy when I use it in R Studio, I want to clean it up in excel so I don’t need to run all the different command in R every time to get it to a point that is useful, this should save me a lot of time later.
* Next I need to get all the different excel spreadsheets into R studio so I can start looking at the data.
* Then I must figure out all the different things I want to look at in the data, this step will give me all the questions that I want to answer in my report.
* Then I need to figure out the code and make all the tables and graphs that can help me solves those questions.
* The last thing I’ll do Is add all the questions and the different outputs I got from the data and put it into a report where I talk about how I got the outputs and what they are showing.

**Reason for this Topic:**

I choose this topic because I am a big sports fan and a job I would really want to have after graduation would be in sports analytics. I also have really enjoyed using R Studio in past classes and will be using the knowledge from those classes to help me understand this data and make it into a good report.