7 Years of NCAA Men's Basketball History and Stats
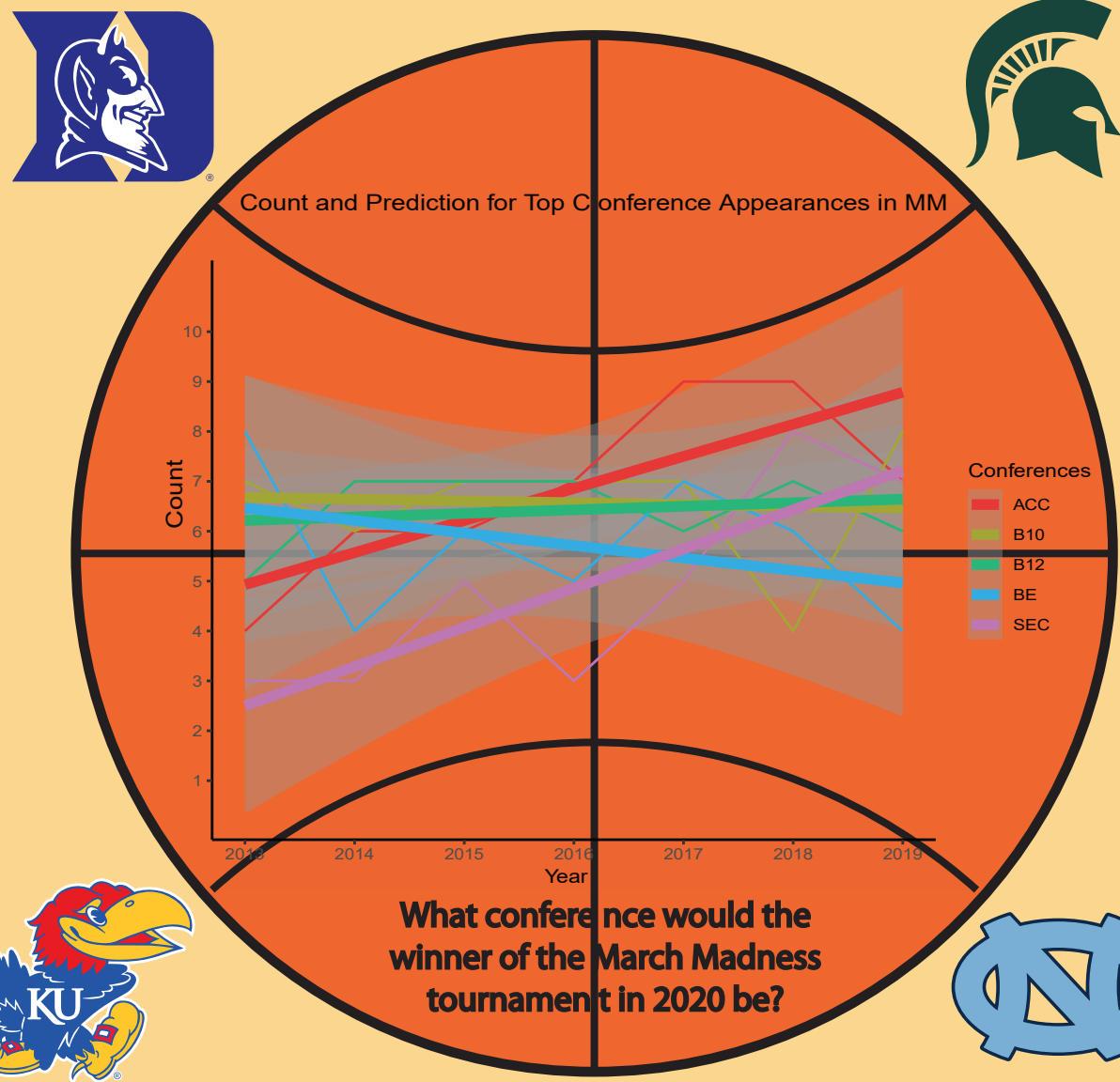
Ken Hubbard

IST 719

Off. and Def. Efficiency Translation to Postseason Finish

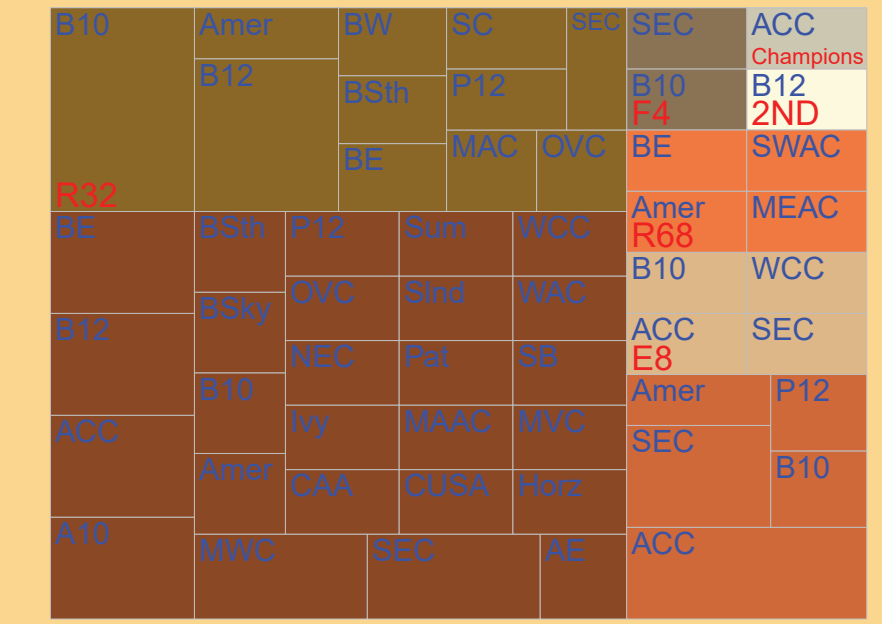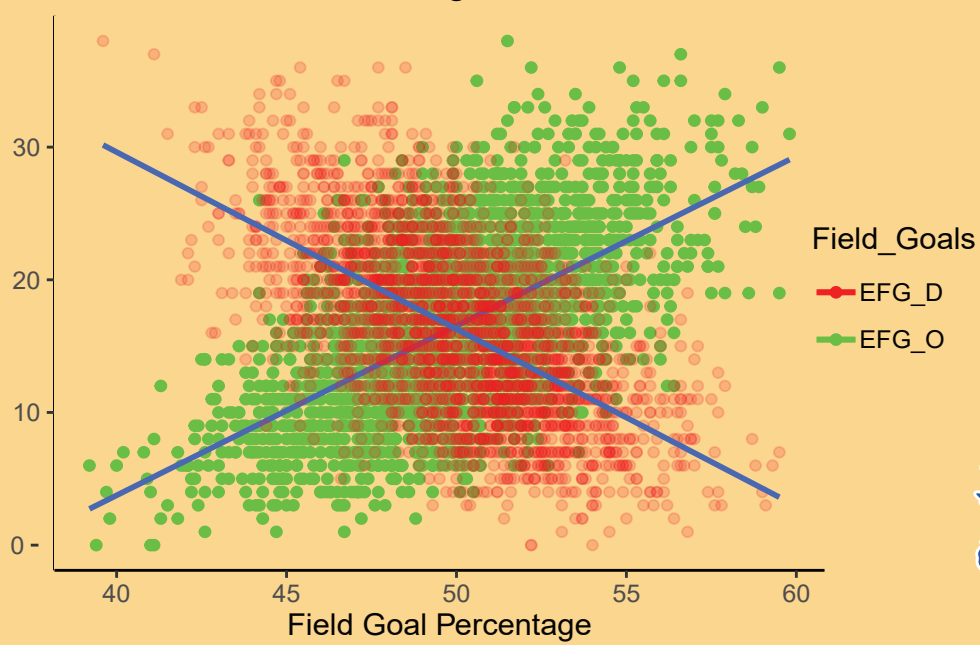## Distribution of Conferences at Postseason Finishes

All statistics in college basketball contributes to the outcome of the game, which in turn contributes to the record for a team leading them into the March Madness tournament. Data over the years, then, provides regressions that helps predict who might end up in the tournament the following year.
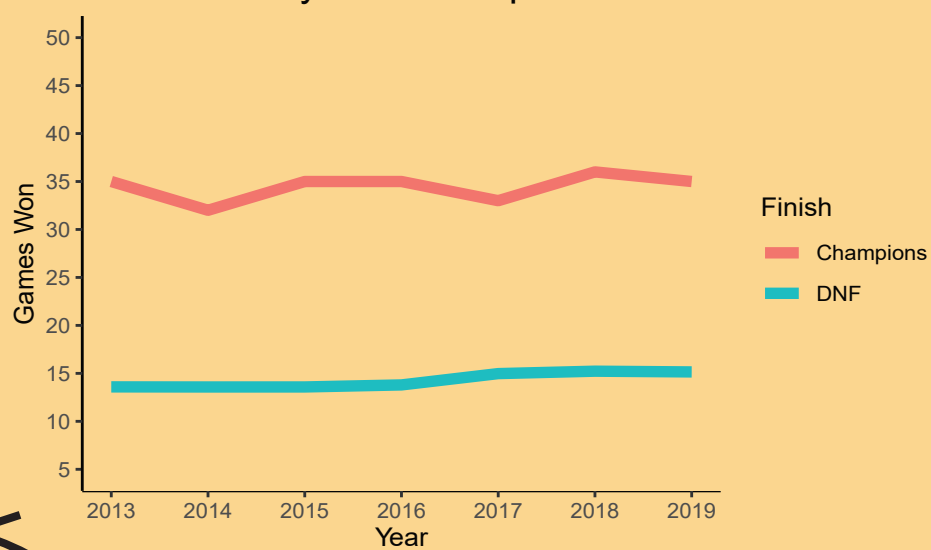
Count and Prediction for Top Conference Appearances in MM

Conferences: ACC, B10, B12, BE, SEC

What conference would the winner of the March Madness tournament in 2020 be?

How Field Goal Percentage Affects Games Won

Field_Goals: EFG_D, EFG_O

Games Won by MM Champs vs. Teams not in MM

Finish: Champions, DNF

The information derived from this dataset is extremely valuable to sports analysts who may have a stake in the NCAA March Madness tournament for a means of monetary gain. This data is also useful for high school prospects that might be interested in joining one of these teams as well as NBA teams that want to recruit players from successful teams.

Teams with most March Madness appearances

March Madness Placement Distribution

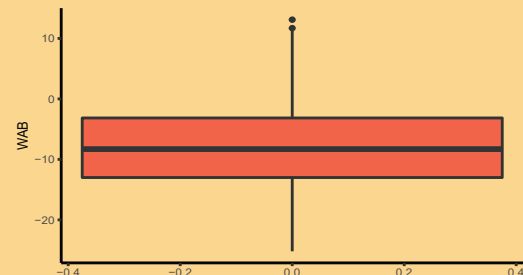Placement: 2ND, Champions, E8, F4, R32, R64, R68, S16

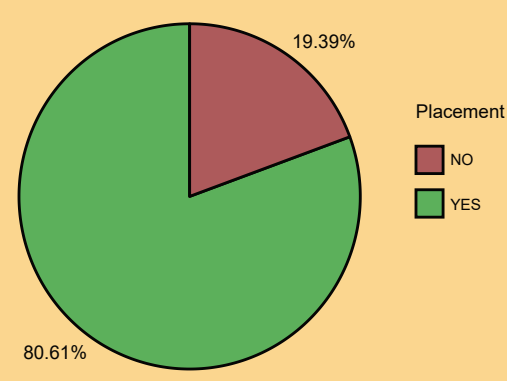1.47% 1.47% 5.88% 2.94% 23.53% 47.06% 5.88% 11.76%
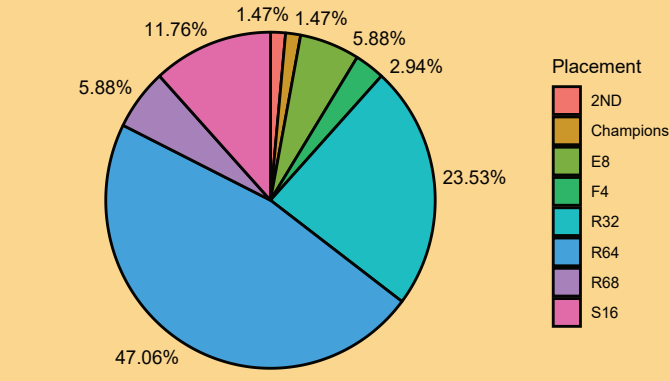
This dataset contains seven years-worth of data from 2013 to 2019 on all the NCAA Division 1 basketball teams in the United States. More specifically, it contains their conference, games played and won, postseason finish as well as seed in the March Madness tournament, various average game statistics, and year these stats were recorded for each team. The data contains 2456 rows and 25 columns after I added a postseason confirmation column for further analysis.

Distribution of Games Won over a MM Team

Teams that Made March Madness

Placement: NO, YES

19.39% 80.61%

RStudio packages:
dplyr   tidyverse   treemapify
ggplot2   scales   ggforce