

March Madness

A cumulative study of season data to predict tournament results.

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Introduction

March Madness is an annual NCAA division 1 basketball tournament. The tournament occurs in the month of March, thereby earning its name. There are 64 teams in the tournament each year, seeded into 4 Regions that each contain 16 teams. We will be taking a look at how far each team makes it into the tournament, based on their regular season data.

Data Summary

- Our data is made up of 365 teams, each with a specific numerical code, and their regular season data. We have winning and losing scores from the years 1985 to 2016, but have additional data that includes the team statistics from the years 2003 to 2016.

Pre-Analysis

- We broke up and averaged the data for each team for each year. We accumulated this data into two new datasets: one containing the information from 1985 to 2003 and one containing the information from 2003 to 2016.

Initial Model

Diagnostics

Final Model

Model Analysis