

Men's College Basketball NCAA Tournament Analysis

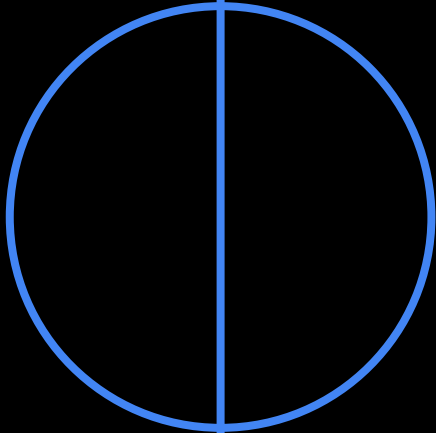
BY DATA DIVAS

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Introduction

As Duke Students we are obligated to love March Madness! We wanted to focus on the ACC as that is Duke's conference. We also focused on the variables we thought to be important for success in the NCAA tournament as we are all hoping for a 6th championship!



Data Dictionary

`TEAM`: The Division I college basketball school

- **`CONF`**: The Athletic Conference in which the school participates in

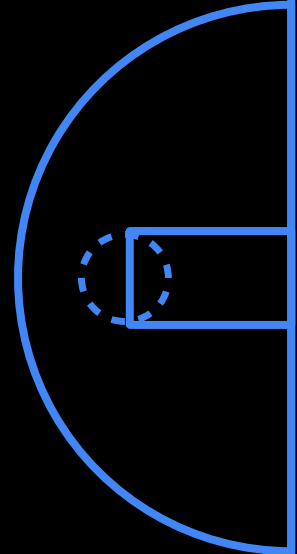
- **`ADJOE`**: Adjusted Offensive Efficiency (Estimate of points scored per 100 possessions)

- **`ADJDE`**: Adjusted Defensive Efficiency (Estimate of points opponent scored per 100 possessions)

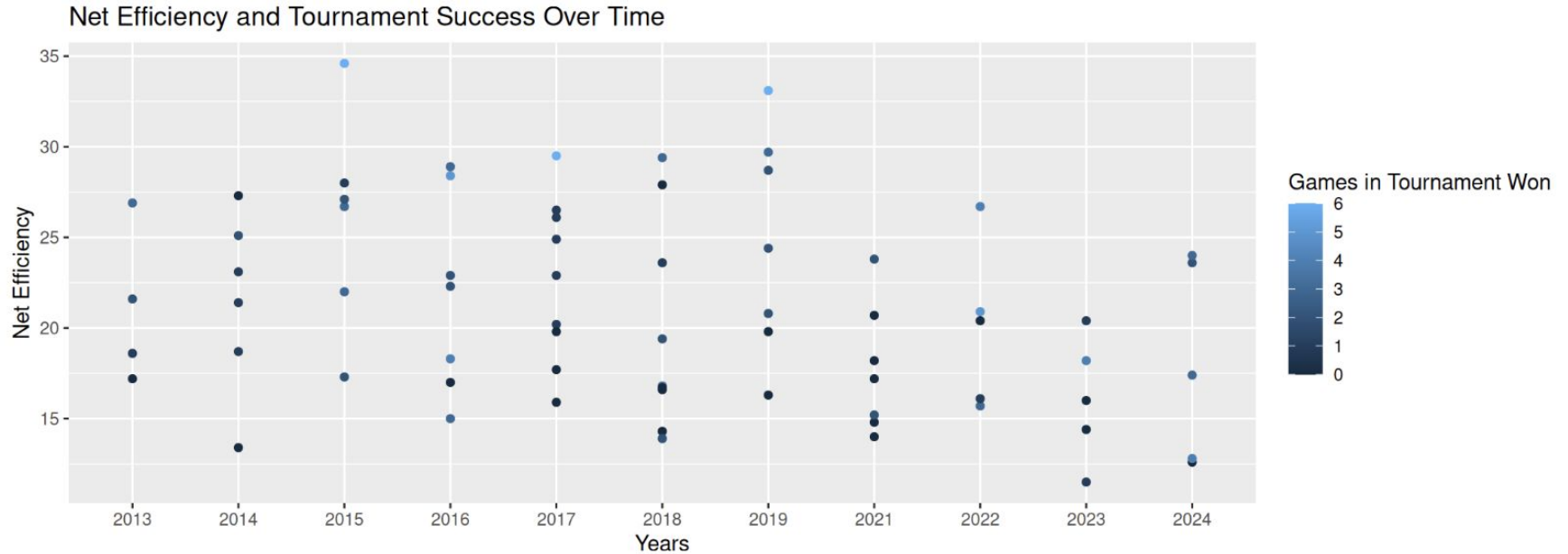
`POSTSEASON`: Round where the given team was eliminated or where their season ended

- **`SEED`**: Seed in the NCAA March Madness Tournament

- **`YEAR`**: Season



Net Efficiency vs Time



Conclusions

We find that higher offensive efficiency and lower defensive efficiency are associated with more successful teams in the men's college NCAA tournament

This trend does not alter over time from 2013-2024

Given the variability of March Madness, we cannot say for certain that there is a direct correlation between all of these variables, just a loose association

Through further analysis, we believe it would be interesting to analyze the net efficiency of all 68 teams in the 2026 NCAA tournament, regardless of conference, and it's correlation to tournament success