

## Full write-up coming soon

This project aims to analyze the two different college basketball game prediction models of Ken Pomeroy and DraftKings. Ken Pomeroy is a statistician who is known for his website, “[KenPom](#)”, which showcases current and archived college basketball statistics. One of the many features of this site is his [FanMatch](#) page which provides a daily schedule of college basketball games, ranked by their predicted excitement level and competitiveness. Along with this info Pomeroy uses a model based on his metrics to compute a predicted score (therefore a margin of victory and total is predicted) for every game, this will be the main data point for this entire project.

Using this data, I will compare it’s accuracy to another game prediction model in a sense, DraftKings betting lines. DraftKings is a gambling company that began as a daily fantasy sports service but now operates as one of the major sportsbooks in North America.

Using the college basketball betting lines available on the DraftKings sportsbook I can compare the game spread and total wager values to the predicted margin of victory and total values from KenPom’s predicted score for each game for each day. By identifying the difference between these two values for both wager types the expected value can be found for each side of a spread or total bet based on KenPom’s prediction. For this project the point difference needed for a wager to be deemed to have significant expected value was ultimately set at more than 3 points for spreads and more than 5 points for totals.

Starting November 7<sup>th</sup>, 2024, I began tracking these games where there was significant expected value in either a spread or total wager along with the game results and hypothetical net profit (assuming a -110 odds for both sides of the wager) daily. The data and preliminary analysis can be viewed at this [link](#).

- Nicholas Lukowsky