

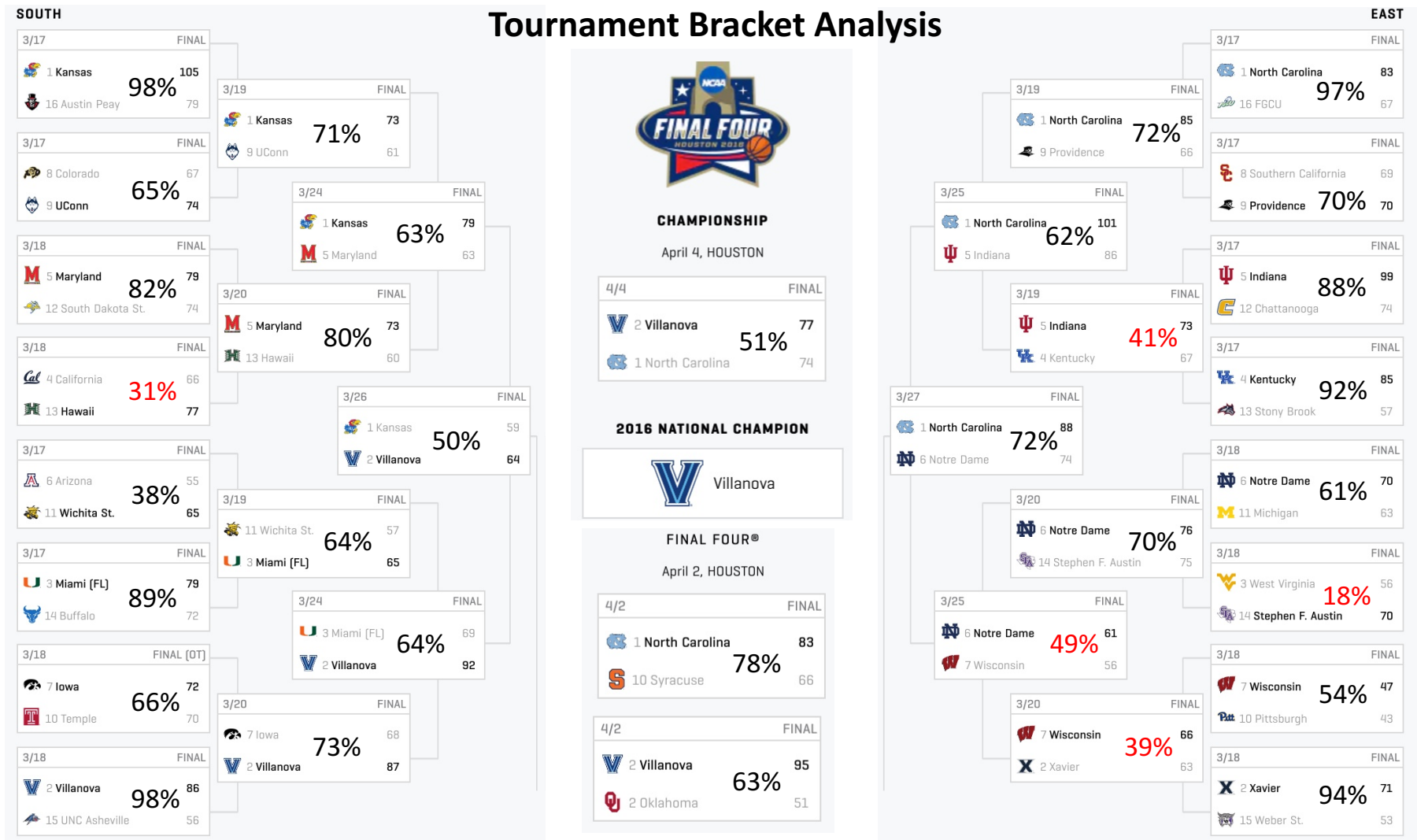
Expert picks - Machine Learning Mania

Dandan Ji

Hypothesis

- Elo score entering the game
- Recent performance - teams average for each of 13 features over the previous 9 games
 - field goal percentage, field goals attempted, three point percentage, three pointers attempted, free throw percentage, free throws attempted, offensive rebounds, defensive rebounds, assists, turnovers, steals, blocks, personal fouls
- Logistical regression
 - 12 seasons of historical data, over 69,000 games

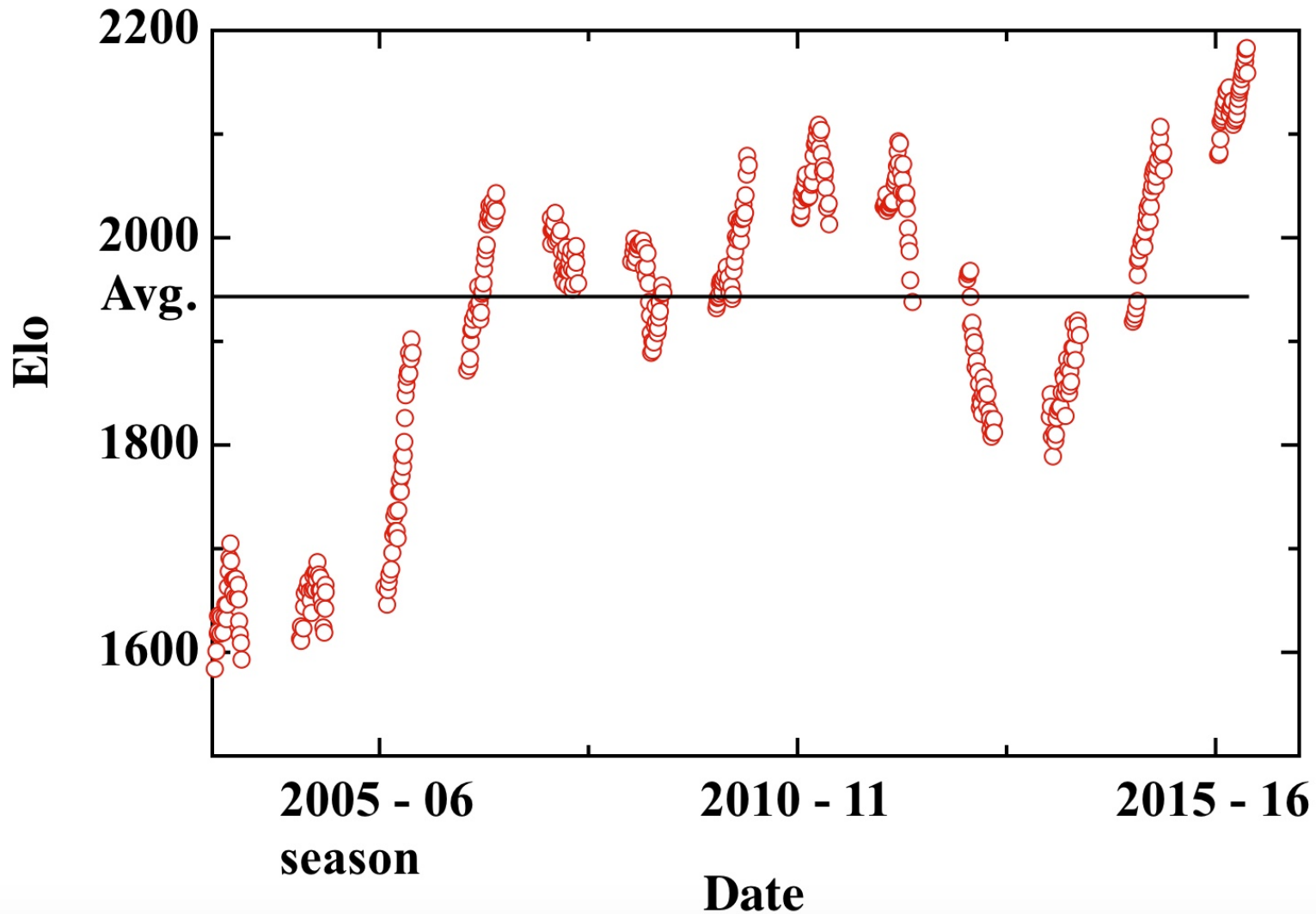
Tournament Bracket Analysis



- 85% of accuracy
- Predicted the correct championship

More History Of The NCAA



Every team's relative strength after every game

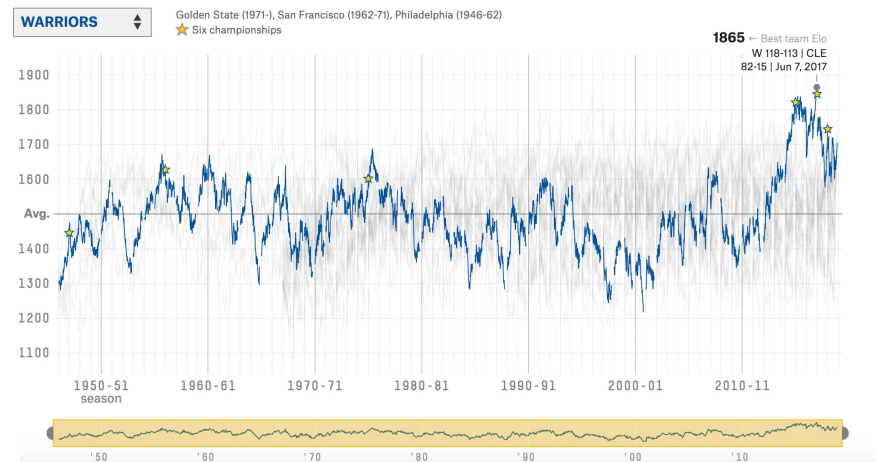


Future work

- Interactive graphic of the history of each team to track the performance
- Game predictions

Sunday, May 19 CONFERENCE FINALS

Game 3 • FINAL		WIN PROB.	SCORE
	Bucks 2-1	37%	112
	Raptors	63%	✓ 118



- Data source: <https://www.basketball-reference.com/teams/>