














NCAA March Madness Predictor

Help you fill the most perfect bracket!



Motivation

- ▶ Help users who want to perform well in bracket challenge
- ▶ Avoid bracket busters
- ▶ Give users who are unfamiliar with the matchup teams a hint of which team is more likely to win

MSiA Iota				Options
Group Results				
RANK	MY ENTRIES	PTS	MAX	
3	 Congzaga espn61721160	810	810	>
RANK	GROUP ENTRIES	PTS	MAX	
1	 Sal Hoopster Sal Hoopster	1260	1260	>
2	 #2 bracket right here Stephengill77	840	840	>
3	 Congzaga espn61721160	810	810	>
4	 Suggs>Everyone (Ben) espn97581832	780	780	>
5	 christinachang 1 christinachang	760	760	>
6	 Sko Boilers brianrice2	730	730	>
6	 Amateur hour Michael Faulkner	730	730	>
8	 Definitely Perfect (Nick) hawkeye2966	660	660	>
9	 Iowa-ha-ha-ha Sarah Elizabeth Mitchell	590	590	>
10	 wewantdonic espn27896879	510	510	>
11	 Handsgoup brianthomaslewis	400	400	>
12	 saraash zzzSara5	370	370	>

Demo

- ▶ <http://ncaa-publi-1hmpabi30kp1k-366372843.us-east-1.elb.amazonaws.com/>

Data

- ▶ Kaggle: March Machine Learning Mania 2021 - NCAAM
- ▶ Data files been used:
 - ▶ Regular Season Detailed Results
 - ▶ Tourney Detailed Results
 - ▶ Tourney Seeds
 - ▶ Teams

Model and Metrics

- ▶ Model: SVM
- ▶ Features: Difference in two teams' 17 categories of regular season average stats, including Score, FGM, FGA, FGM3, FGA3, FTM, FTA, OR, DR, Ast, TO, Stl, Blk, PF, FGP, FG3P, FTP, and also difference in tourney seeds
- ▶ Metric: Accuracy
- ▶ Performance: 82% accuracy

Insight

- ▶ Model helps us identify underdogs



VS



VS



Hope you predict well next season!

► Contact: <https://www.linkedin.com/in/congda-xu/>

