

# Overview oregon-covid-19

**What is this?** A tool to assist with making predictions of matchups during March Madness, specifically the Men's NCAA Basketball tournament

**Why/History:** I don't have a secret for making good picks for my Bracket, but it's fun to play so I gather some statistics each year to make my picks. This tool automates the data gathering which in the past would have taken more time.

**What tools are used?**

- **R / RStudio:** The R Shiny App enables a UI which anyone can use to see these stats (or if they modify the code then stats of their choosing) to bring all the information you might use to make picks all onto one screen.

**Other Resources:**

[https://en.wikipedia.org/wiki/March\\_Madness\\_\(disambiguation\)](https://en.wikipedia.org/wiki/March_Madness_(disambiguation))

# Step 1: Choose Team1 and Team2 using the dropdown lists

## March Madness Shiny!

Choose Team1

alabama



Choose Team2

auburn



## March Madness

Choose Team1

alabama

abilene christian

air force

akron

alabama

alabama a&m

alabama state

alabama-birmingham

# Step 2: Review all the stats to help make your picks

## March Madness Shiny!

Choose Team1

alabama

Choose Team2

auburn

## Statistic Comparison

	school	record	SimpleRatingSystem	StrengthOfSchedule	home	away	conference	FG%	3pg	FTpg	FT%	OREBpg	REBpg	ASTpg	STLpg	BLKpg
1	alabama	18 - 16	9.45	9.01	10 - 6	4 - 8	8 - 10	0.44	7.18	14.00	0.67	11.00	38.00	12.00	5.00	5.00
2	auburn	30 - 10	20.84	10.92	15 - 2	4 - 6	11 - 7	0.45	11.35	14.00	0.71	11.00	34.00	14.00	9.00	5.00

## Head to Head Games

	game_date	school	Final	opponent_final	opponent_school	win_or_loss
1	2020-115	alabama	83.00	64.00	auburn	W
2	2020-212	alabama	91.00	95.00	auburn	L

## Team1 last 10 games

	game_date	school	Final	opponent_school	opponent_final	win_or_loss
1	2020-307	alabama	50.00	missouri	69.00	L
2	2020-303	alabama	79.00	vanderbilt	87.00	L
3	2020-229	alabama	90.00	southcarolina	86.00	W
4	2020-225	alabama	73.00	mississippist	80.00	L
5	2020-222	alabama	103.00	mississippi	78.00	W
6	2020-219	alabama	68.00	texasam	74.00	L

... (scroll down for the rest of the games and for Team2's games)

# Step 3: Repeat for other Matchups

### March Madness Shiny!

Choose Team1  

▼  
purdue

Choose Team2  

▼  
florida

### Statistic Comparison

	school	record	SimpleRatingSystem	StrengthOfSchedule	home	away	conference	FG%	3pg	FTpg	FT%	OREBpg	REBpg	ASTpg	STLpg	BLKpg
1	purdue	26 - 10		21.40	11.99	15 - 0	6 - 6	0.45	10.14	13.00	0.72	12.00	37.00	14.00	6.00	4.00
2	florida	20 - 16	15.42		11.22	9 - 6	5 - 6	0.42	8.08	12.00	0.72	10.00	33.00	12.00	7.00	4.00

### Head to Head Games

	game_date	school	Final	opponent_final	opponent_school	win_or_loss
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### Team1 last 10 games

	game_date	school	Final	opponent_school	opponent_final	win_or_loss
1	2020-307	purdue	68.00	rutgers	71.00	L
2	2020-303	purdue	77.00	iowa	68.00	W
3	2020-227	purdue	57.00	indianau	49.00	W
4	2020-222	purdue	63.00	michigan	71.00	L
5	2020-218	purdue	65.00	wisconsin	69.00	L
6	2020-215	purdue	52.00	ohiostate	68.00	L
7	2020-211	purdue	76.00	pennstate	88.00	L
8	2020-208	purdue	74.00	indianau	62.00	W
9	2020-205	purdue	104.00	iowa	68.00	W
10	2020-201	purdue	61.00	northwestern	58.00	W

### Team2 last 10 games

	game_date	school	Final	opponent_school	opponent_final	win_or_loss
1	2020-307	florida	70.00	kentucky	71.00	L

*To change the font size, zoom in/out of RStudio before running the app*