MARCH MADNESS

What makes the 64 teams that make it to the final tournament different from the rest of the division 1 teams?

You can safely conclude that quality is more important than quantity when looking at shot attempts. The 64 best teams have virtually the same shot attempts, they just convert more.



64 Teams with an average win percentage of 73.4% and a sd of 0.10

average of 75.0 points per game out of 99.8 attempts 238 Teams with an median win percentage of 49% and a sd of 0.14 238 teams scoring an average of 72.2 points per game out of 99.8 attempts

Violin Plot amount of two pointers out of all goals

Do the winning teams score more two pointers or three pointers in comparison?

3 Pointers



The difference between the red and blue dots is relatively small, obviously the 64 best teams tend to do a little bit better when it comes to three pointers but some of those still shoot very low percentages











The correlation between total points scored and the percentage 2

All Field Goa



pointers made. It is clear that two pointers play a bigger role than 3 pointers when it comes to scoring points

What factors apart from points influence/wins?

The biggest difference between the two is the difference is the amount of steels. All the different stats have a higher correlation for all the other teams. These games are probably a lot closer in which one specific turnover or steal makes a bigger difference. The graphs that are distributed most naturally are total rebounds, steal and turnovers.

	W-L%	TRB	STL	BLK	TOV	PF	
2 -	\wedge	Corr:	Corr:	Corr:	Corr:	Corr:	N-
1-0-		0.525***	0.400***	0.290***	-0.106.	0.093	L%
1400 -	-	\wedge	Corr:	Corr:	Corr:	Corr:	井
1000 -	Same and		0.326***	0.382***	0.385***	0.423***	8
300 -	-	all's	\wedge	Corr:	Corr:	Corr:	ST
200 -	Contraction.	Sector .	$/ \subseteq$	0.285***	0.224***	0.396***	-
160 - 120 -	. Aller			\wedge	Corr:	Corr:	BE
80 - 40 -	CHEMA .				0.179**	0.092	~
500 -	Caille:		siller-	Same S	\wedge	Corr:	TO
300 - 800 -	Conditioning of			2405		0.531***	<
700 - 600 -			100		-	\wedge	PF
500 -	0.2 0.4 0.6 0.8	100012001400	200 300 4	40 80 120 160 3	300 400 500 600	500 600 700 80	00

TRB	STL	BLK	TOV	PF	
Corr:	Corr:	Corr:	Corr:	Corr:	W-I
0.507***	0.239.	0.366**	-0.058	0.184	L%
\wedge	Corr:	Corr:	Corr:	Corr:	TR
	0.128	0.550***	0.435***	0.447***	îB
Section .	\wedge	Corr:	Corr:	Corr:	ST
		0.434***	0.381**	0.421***	Ч,
in the		\wedge	Corr:	Corr:	BL
Alles .		\sim	0.396**	0.336**	×
EX.	1.1	, N	$ \land$	Corr:	TO
100		יעי	· ·	0.632***	<
12.55' ;		der .		\frown	PF
102030205050	5000500050	100150200250	350 400 450 50	0.56065000	
	TRB Corr: 0.507***	TRB STL Corr: Corr: 0.507*** 0.239. Corr: 0.128	TRB STL BLK Corr: O.239. O.366** 0.507*** O.239. O.366** Corr: O.128 Corr: 0.550*** O.550*** O.434*** O.434*** O.434*** O.434*** O.507 O.5000250800850 1001502002500	TRB STL BLK TOV Corr: 0.239. 0.366** -0.058 0.507*** Corr: 0.366** -0.058 Corr: 0.128 Corr: 0.435*** 0.433*** Corr: 0.435*** 0.434*** Corr: 0.381** 0.396** Corr: 0.396** 0.396** 0.396** 0.396**	TRB STL BLK TOV PF Corr: 0.239. 0.366** -0.058 0.184 Corr: 0.128 Corr: 0.435*** 0.447*** Corr: 0.128 Corr: 0.435*** 0.447*** Corr: 0.434*** Corr: 0.381** 0.421*** Corr: 0.396** Corr: 0.396** 0.336** Corr: 0.434*** Corr: 0.396** 0.432*** Corr: 0.434*** Corr: 0.421*** Corr: 0.396** Corr: 0.336** Image: Image: Image: Image: Image:

Looking at the correlation between the win-loss percentage and total rebounds, steals, blocks, turnovers and personal fouls for both the 64 best teams as the other teams, it shows that turnovers and personal fouls do not have any influence on this percentage.