

FIFA World Cup Analysis

Intro	History of World Cup	Big Events and rule change from 1970 to 2014	Red and Yellow Rule	Attendance by year	Matches&Goal Analysis	Attendance by city	Did Home Advantage exist?	Match Analysis---Which teams are strong?	Goal Analysis----Other Strong Team?
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F I F A

World Cup

The FIFA WorldCup dataset contains data from 1930 to 2014. Specifically, It collects team-level data, match-level data and player-level data.

We would use this dataset to explore the potential factors that might influence the results, find out the strong teams and try to predict the next winner of WorldCup.



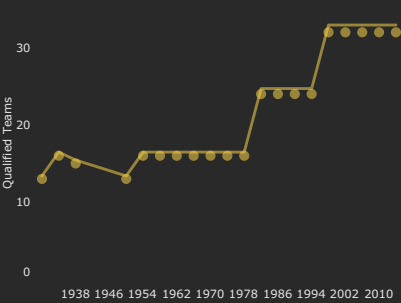
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HISTORY OF THE WORLD CUP

The Fifa World Cup, often simply called the World Cup, is an international association football competition contested by the senior men's national teams of the members of FIFA, the sport's global governing body. The championship has been awarded every four years since the inaugural tournament in 1930, except in 1942 and 1946 when it was not held because of the Second World War. The current champion is France, which won it's second title at the 2018 tournament in Russia.

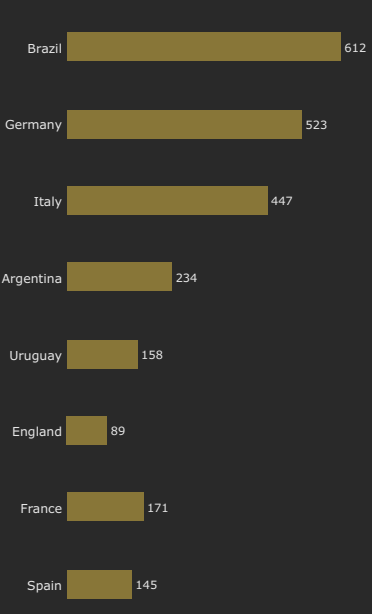
Number of qualified teams 1930 到 2014 和 Null 值



Winners



Goal Scores



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BIG EVENTS IN WORLD CUP

2286

Total Red and Yellow Cards

45165

Average Attendance

836

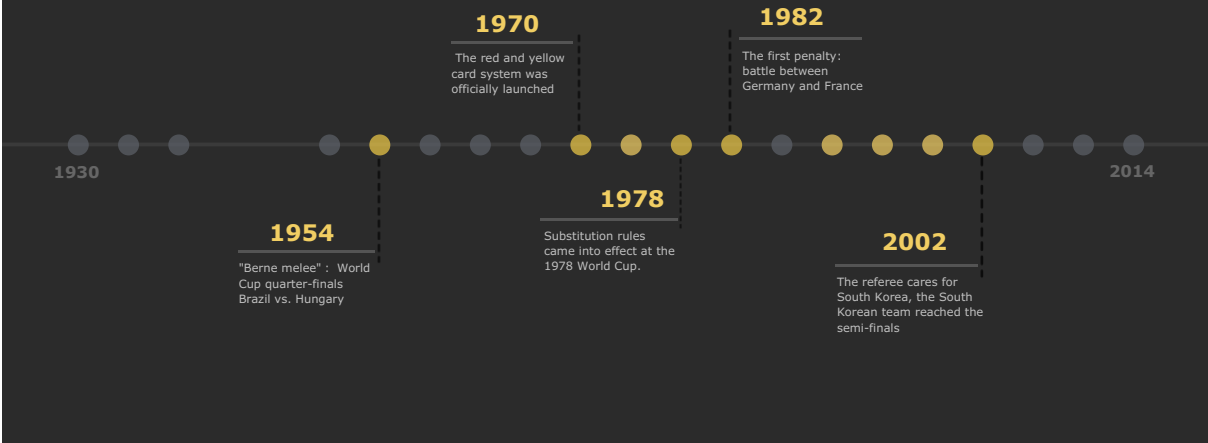
Total matches

2379

Total Goals

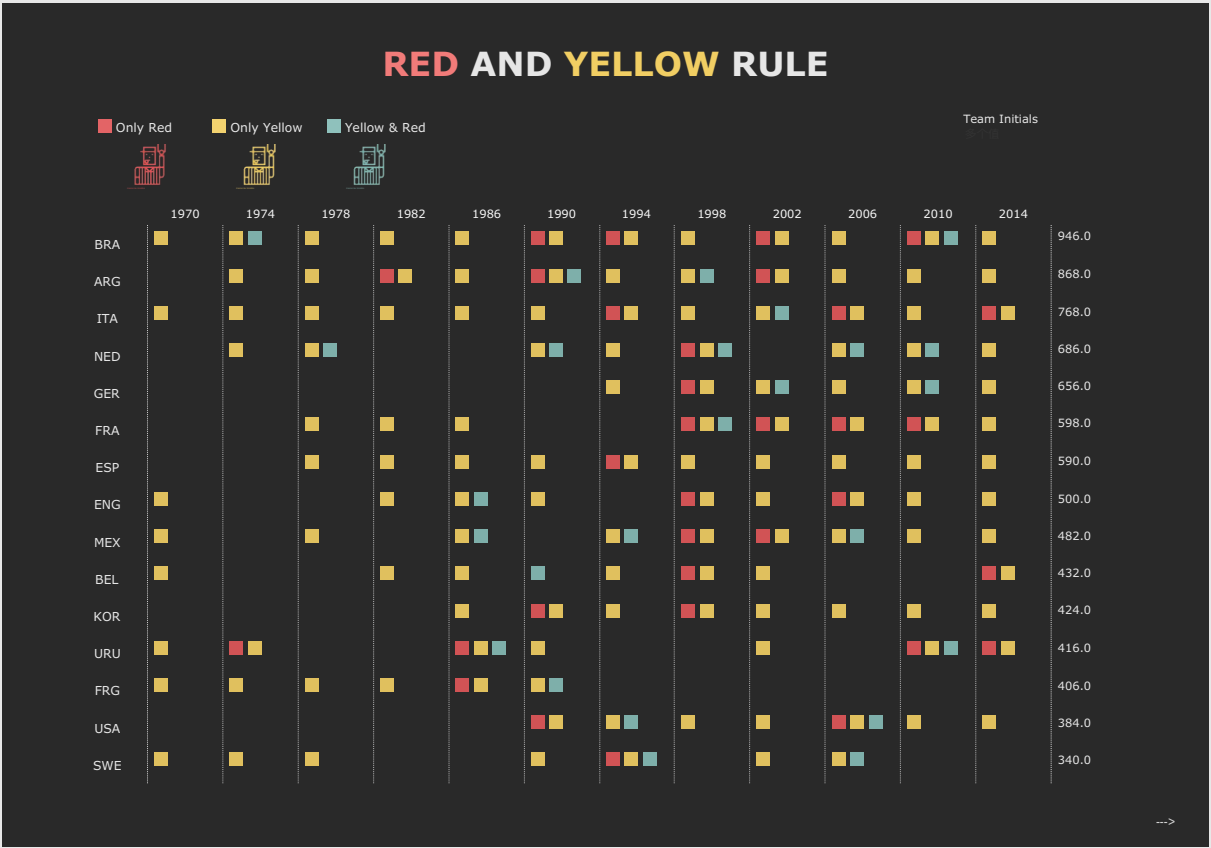
25

Total Penalty Kicks



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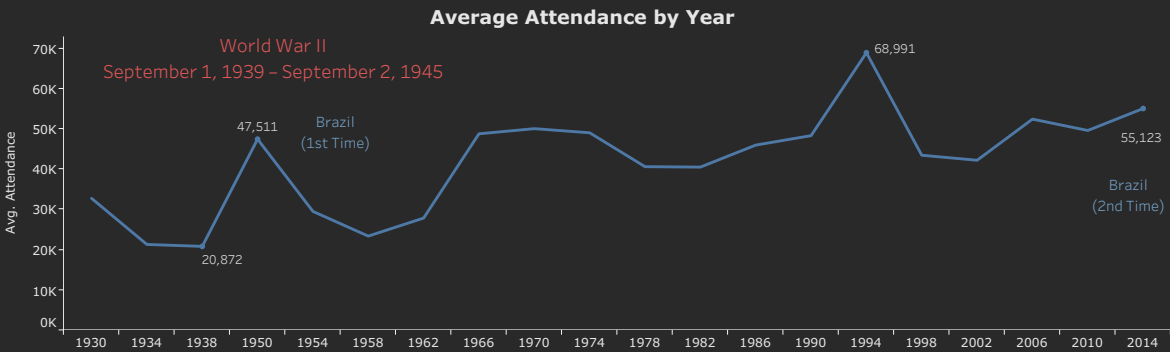
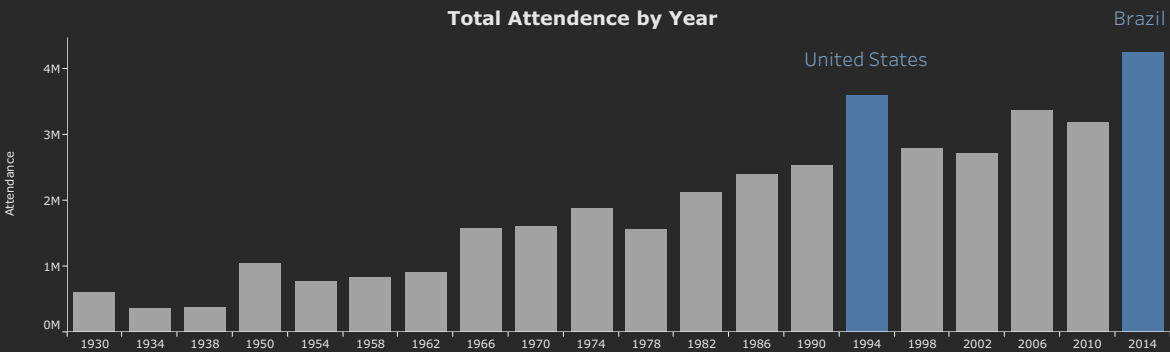
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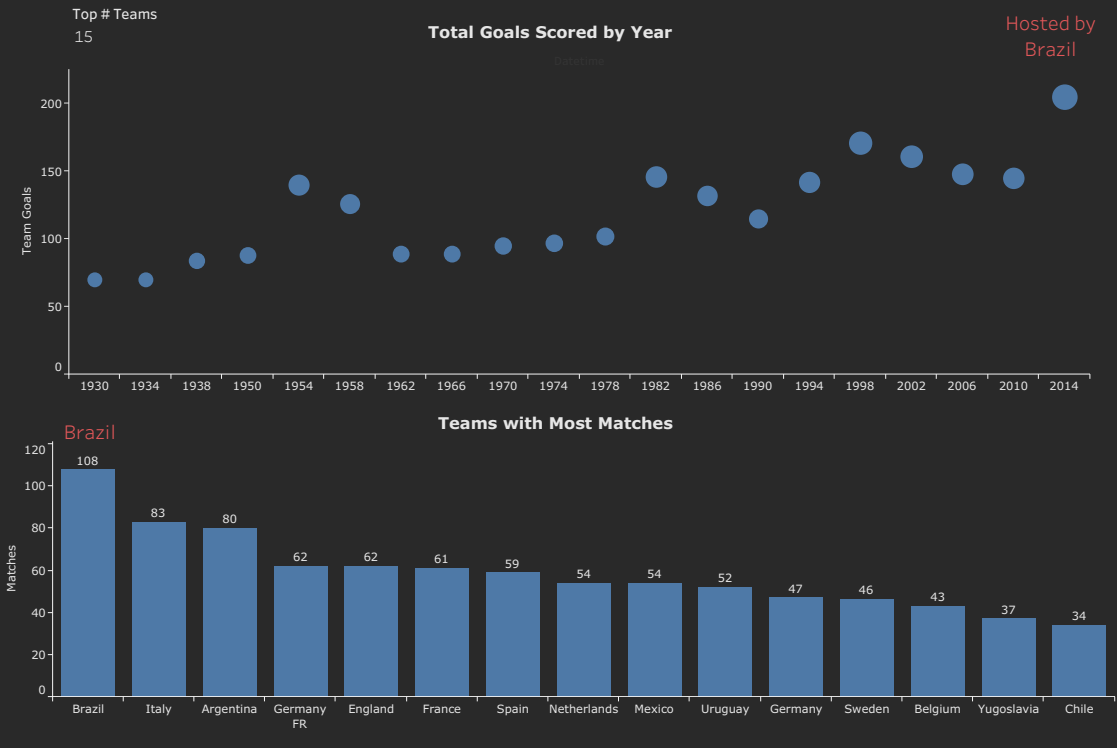
Attendance By Year



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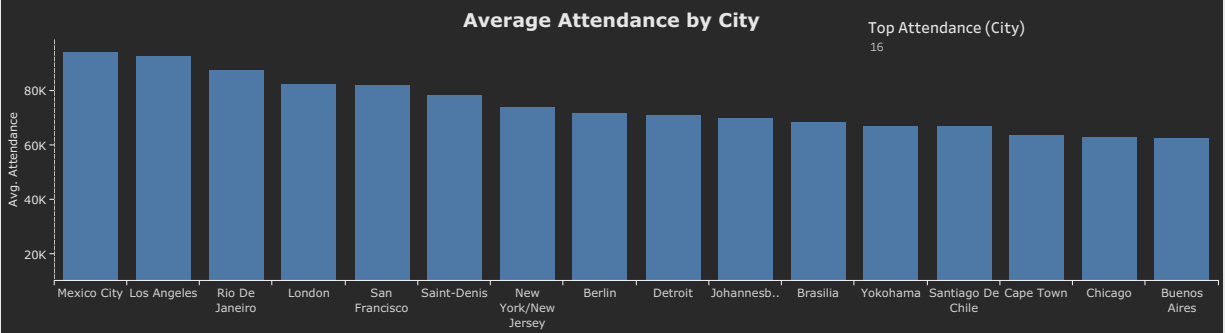
Matches & Goal Analysis



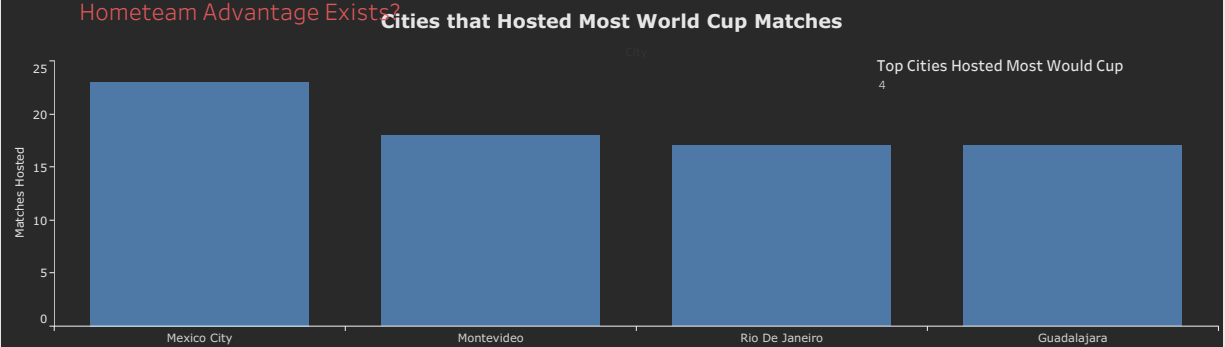
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History of World..	Big Events and rule change from 1970 to 2014	Red and Yellow Rule	Attendance by year	Matches&Goal Analysis	Attendance by city	Did Home Advantage exist?	Match Analysis---Which teams are strong?	Goal Analysis----Other Strong Team?	Are those 10 teams more likely to be home teams?	Strong Te am Comparison
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Attendance By City



Hometeam Advantage Exists?



FIFA World Cup Analysis

Big Events and r..	Red and Yellow Rule	Attendance by year	Matches&Goal Analysis	Attendance by city	Did Home Advantage exist?	Match Analysis---Which teams are strong?	Goal Analysis---Other Strong Team?	Are those 10 teams more likely to be home teams?	Strong Team Comparison	Top 3 Strongest Team?
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DID HOME TEAMS WIN MORE?

1982: The rules of football are basically complete.

1983 到 2014

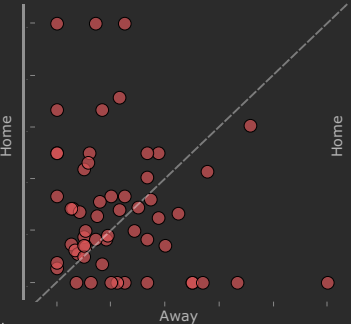
The scatter plot shows the probability of win or loss or draw when a team was regarded as a "Home Team" or a "Away Team". The reference line here represents an equal probability of won or lost or draw in both home and away teams.

Home_Times
10

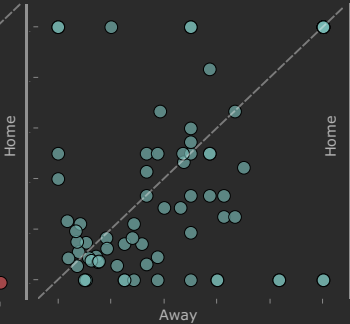
Grouped_Home
Brazil

of Unique Team:
83

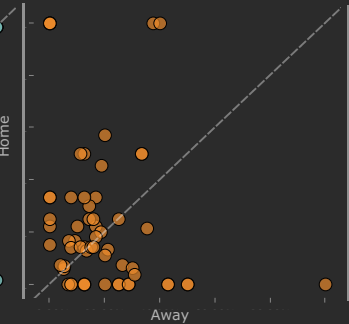
% Match Won (Home vs Away)



% Match Lost (Home vs Away)



% Match Draw (Home vs Away)



Brazil

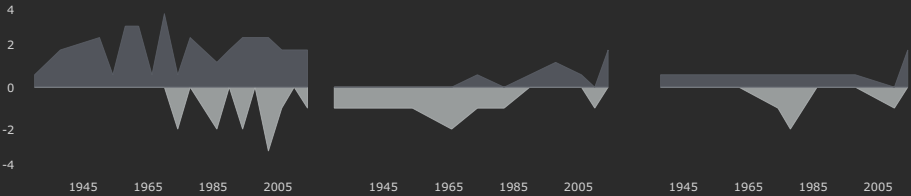
107

Total Matches Played

72
Win

18
Lost

17
Draw



FIFA World Cup Analysis

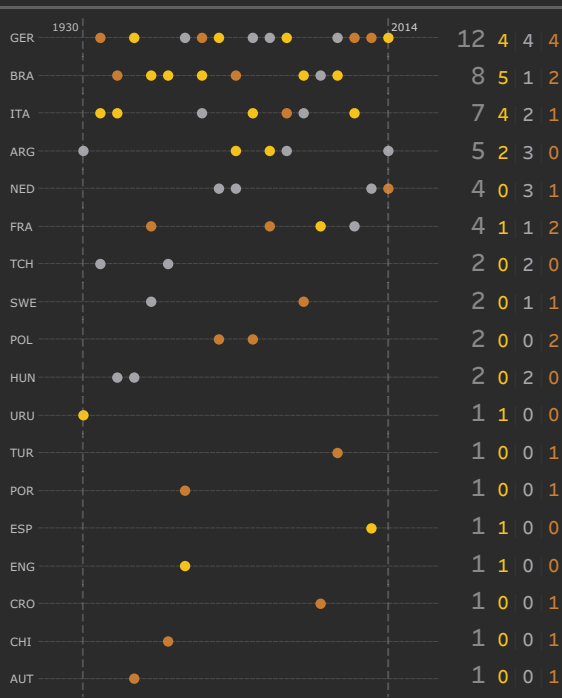
Red and Yello..	Attendance by year	Matches&Goal Analysis	Attendance by city	Did Home Advantage exist?	Match Analysis---Which teams are strong?	Goal Analysis----Other Strong Team?	Are those 10 teams more likely to be home teams?	Strong Team Comparison	Top 3 Strongest Team?	Penalties Analysis--Which ..
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MATCH ANALYSIS----STRONG TEAM?

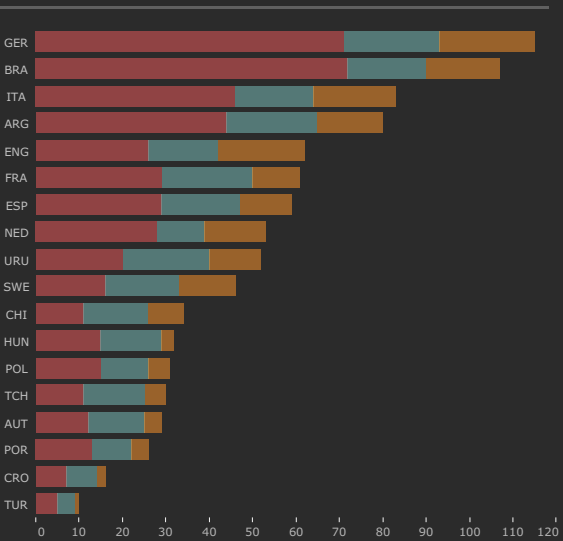
Roughly select 8 strong teams with the most medals won or the most matches played.

Champion
Runner-up
Third Place

Final Results by Country



Match Outcomes by Country



Selected Strong Team:

England	France	Netherlands	Spain
Argentina	Brazil	Germany	Italy

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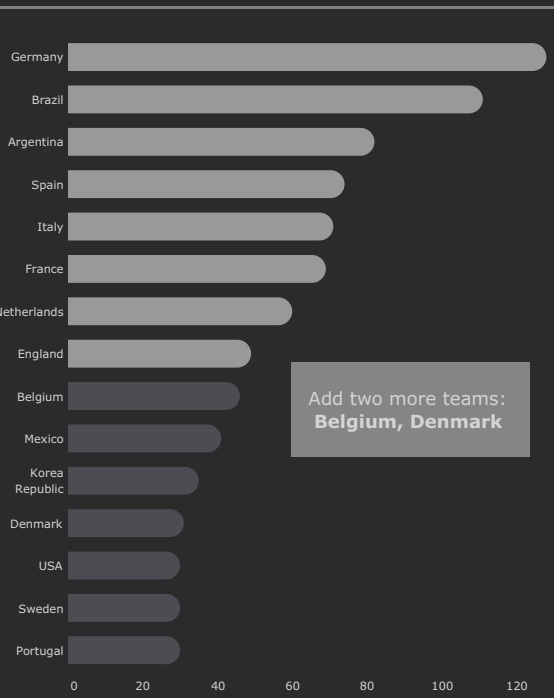
GOALS ANALYSIS----OTHER STRONG TEAM?

Roughly select additional strong teams with the most medals won or the most matches played.

Top Teams by Goals Param
15

Date_Time
1982 到 2014

Total Goals by Country



Add two more teams:
Belgium, Denmark

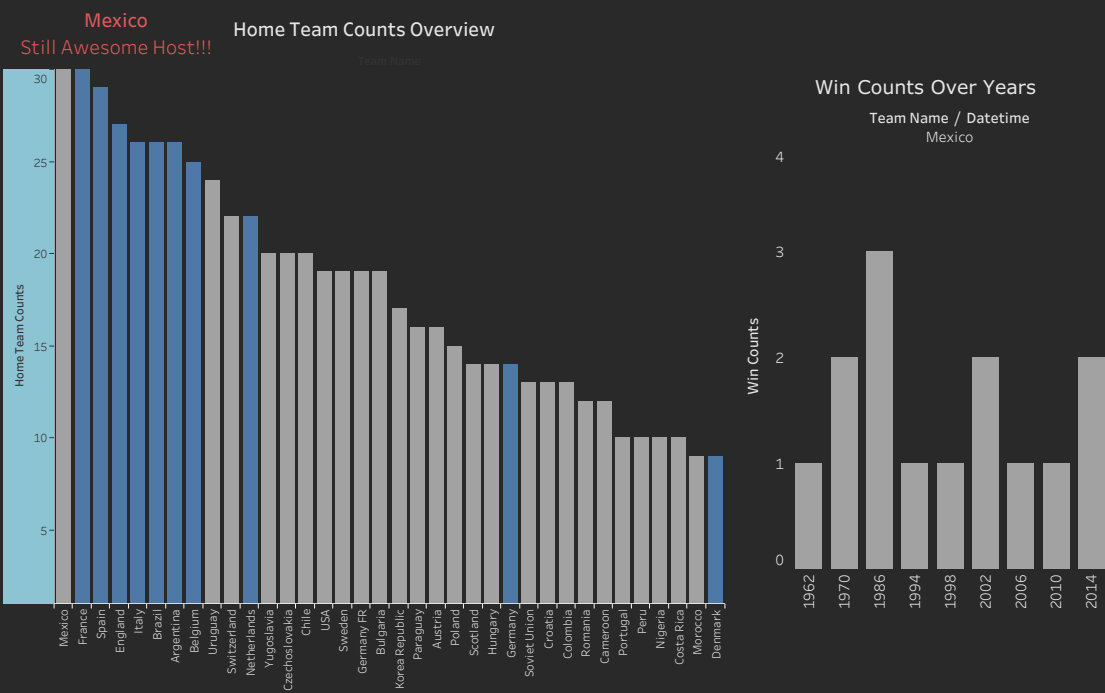
Goals per Match by Country



FIFA World Cup Analysis











Matches & Goal Analysis..	Attendance by city	Did Home Advantage exist?	Match Analysis---Which teams are strong?	Goal Analysis----Other Strong Team?	Are those 10 teams more likely to be home teams?	Strong Team Comparison	Top 3 Strongest Team?	Penalties Analysis---Which country is good at p..	Who will be the next highest score player?	Who will be the next win..
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Are Those 10 Teams More Likely To Be Home Teams?



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Team Matches Analysis									
									
Brazil		Team 1		Germany		Team 2			
Brazil		Loses		Wins		Loses			
72		19		33		8			
Draws		Matches		Draws		Matches			
17		108		6		47			
Goals		Goals per Match		Goals		Goals per Match			
226		2.093		103		2.191			
									

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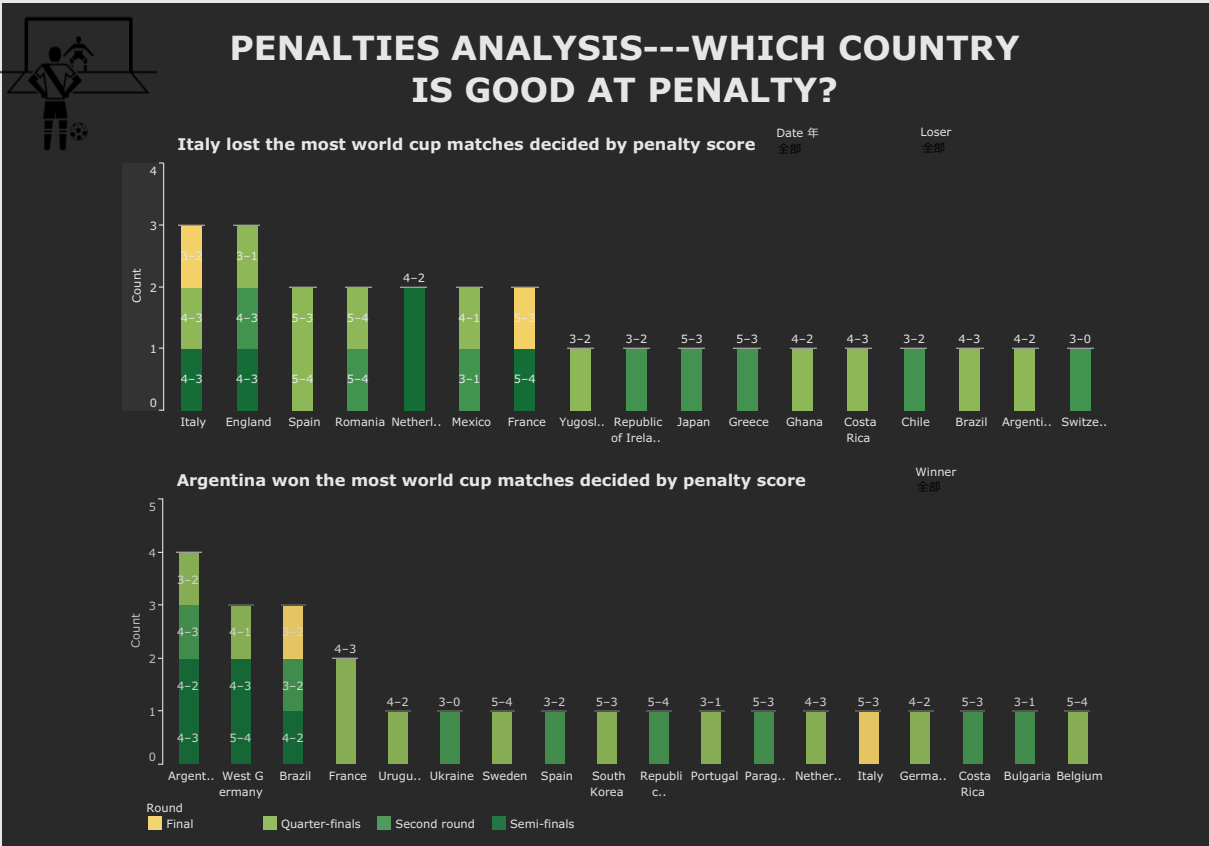
TOP 3 TEAMS

	Wins	Loses	Draws	Goals per Match
Brazil	72	19	17	2.093
Germany	33	8	9	2.191
France	29	21	11	1.770



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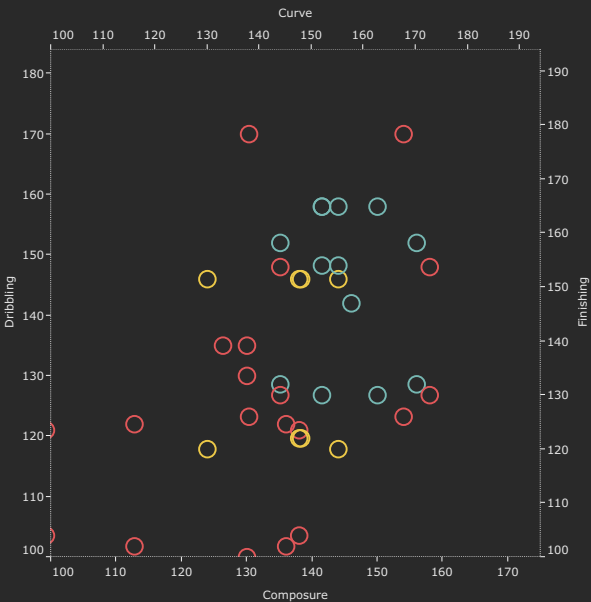
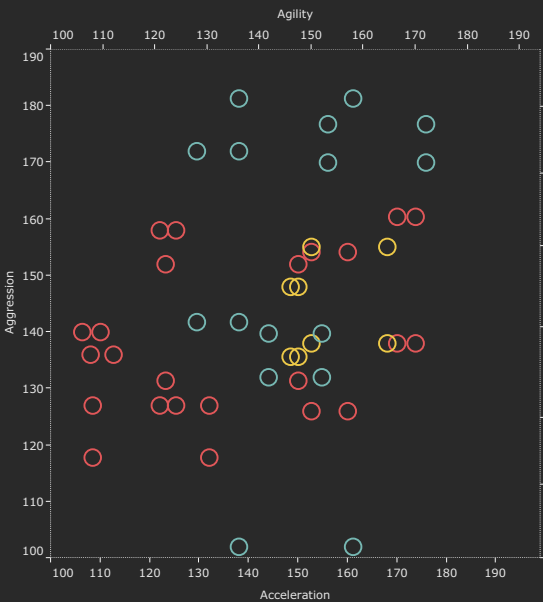
WHICH TEAM HAS THE MOST SKILLED PLAYER?

Nationality1
Brazil France Germany

Search Nationalities...
多个值

Comparison of acceleration, agility vs aggression and balance

Comparison of composure, curve vs dribbling and finishing



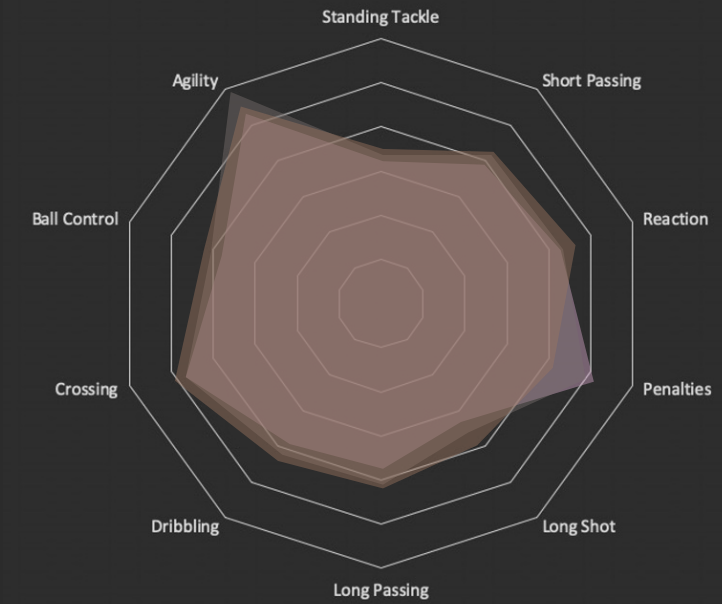
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WHO WILL BE THE NEXT WINNER?

For each 10 key- to-win skills calculating the maximum value for each country team, then visulizing by radar chart which measures the comprehensive strength.

Search two Nationalities...
多个值



Brazil, France, Germany

	Brazil	France	Germany
Agility	84.00	90.00	81.00
Crossing	76.00	72.00	72.00
Reactions	70.31	65.74	64.89
Ball Control	65.38	62.82	58.88
Short Passing	65.33	64.01	60.01
Dribbling	62.06	59.51	55.10
Penalties	62.00	74.00	77.00
Long Passing	59.38	58.13	52.83
Long Shots	55.64	50.35	46.02
Standing Tackle	53.81	51.78	49.72