

WORLD CUP CASE STUDY

Next Page



Cover Page

Analytical
Questions

General Statistics

Attendance
Analysis

Match Condition
Analysis

Home Team
Analysis

Away Team
Analysis

Goal Analysis

Team Analysis

ANALYTICAL QUESTIONS

(1) Is the hosting country more likely to win the cup?



(2) What influences the attendance to increase?



(3) How likely would a match go to extra time?



(4) How likely would a match go to penalties?



(5) What increases the chance of the home team winning the match?



(6) What influences the home goals to increase?



(7) What increases the chance of the away team winning the match?



(8) What influences the away goals to increase?



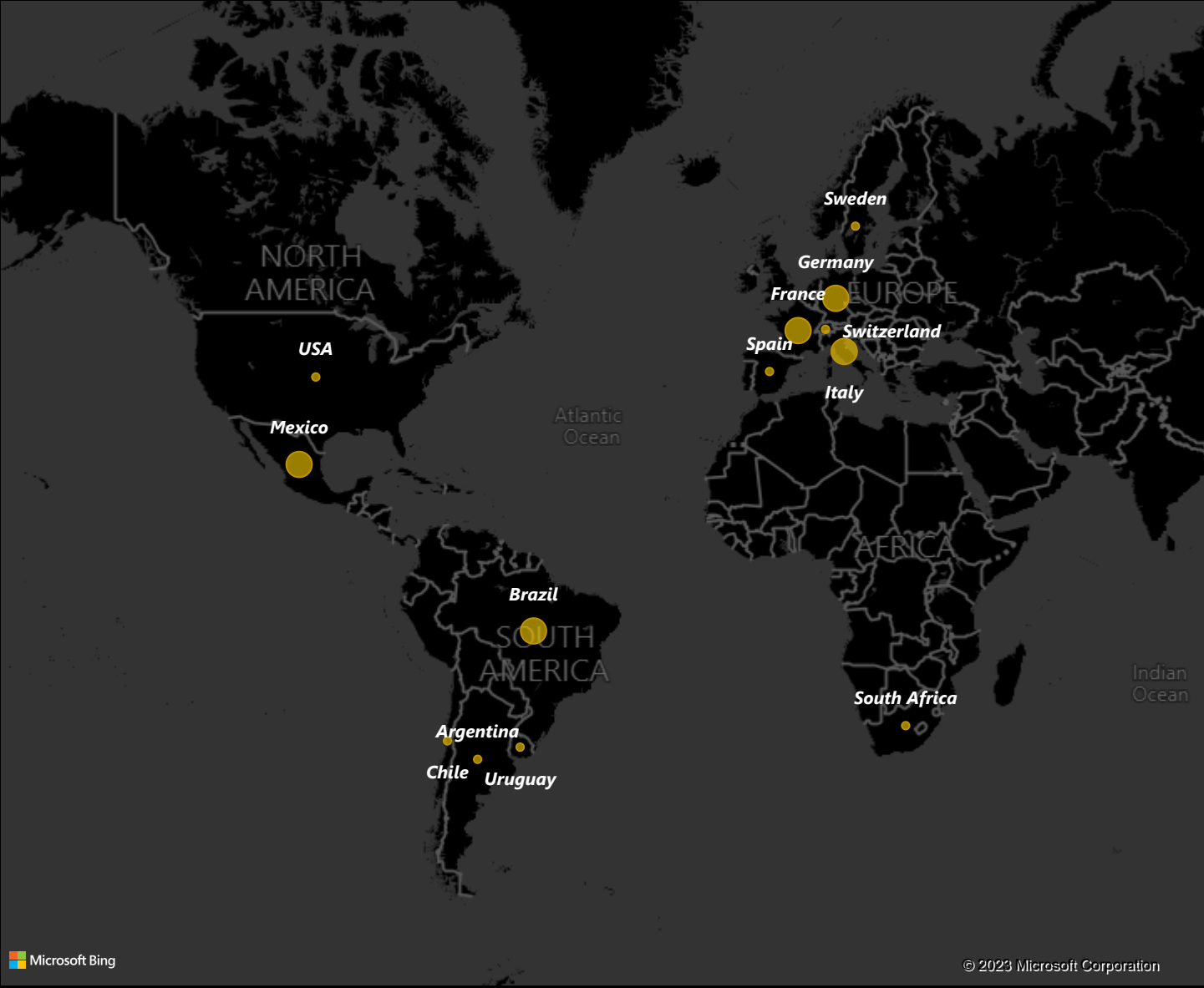
(9) What makes a player likely to score?



(10) Are the top goal scoring teams more likely to be the top fouling teams?



HOSTING COUNTRIES



836

Matches Played

37M

Attendance

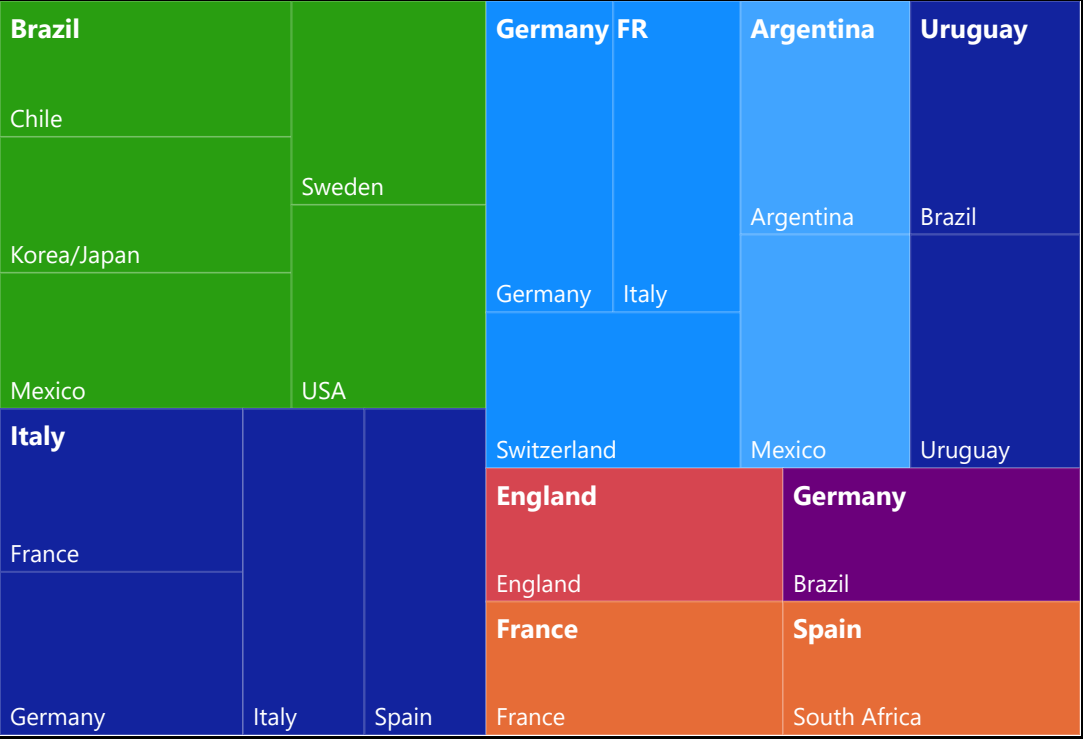
425

Qualified Teams

2379

Goals Scored

HOST COUNTRIES BY WINNERS



Cover Page

Analytical
Questions

General Statistics

Attendance
Analysis

Match Condition
Analysis

Home Team
Analysis

Away Team
Analysis

Goal Analysis

Team Analysis

Key influencers



What influences Attendance to

Increase



?

When...

....the average of
Attendance increases by

Stage is Final

32.35K

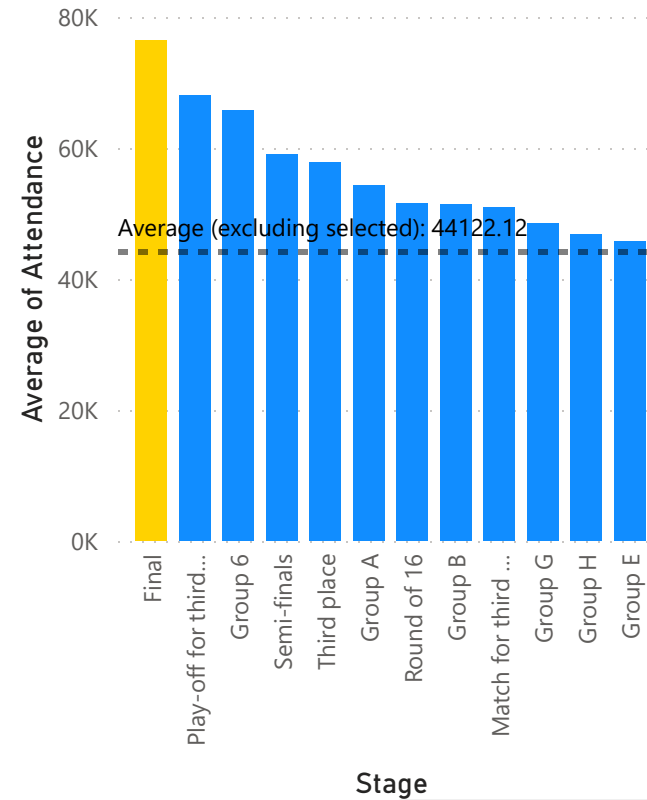
Host Country is USA

25.73K

Qualified Teams is more
than 16

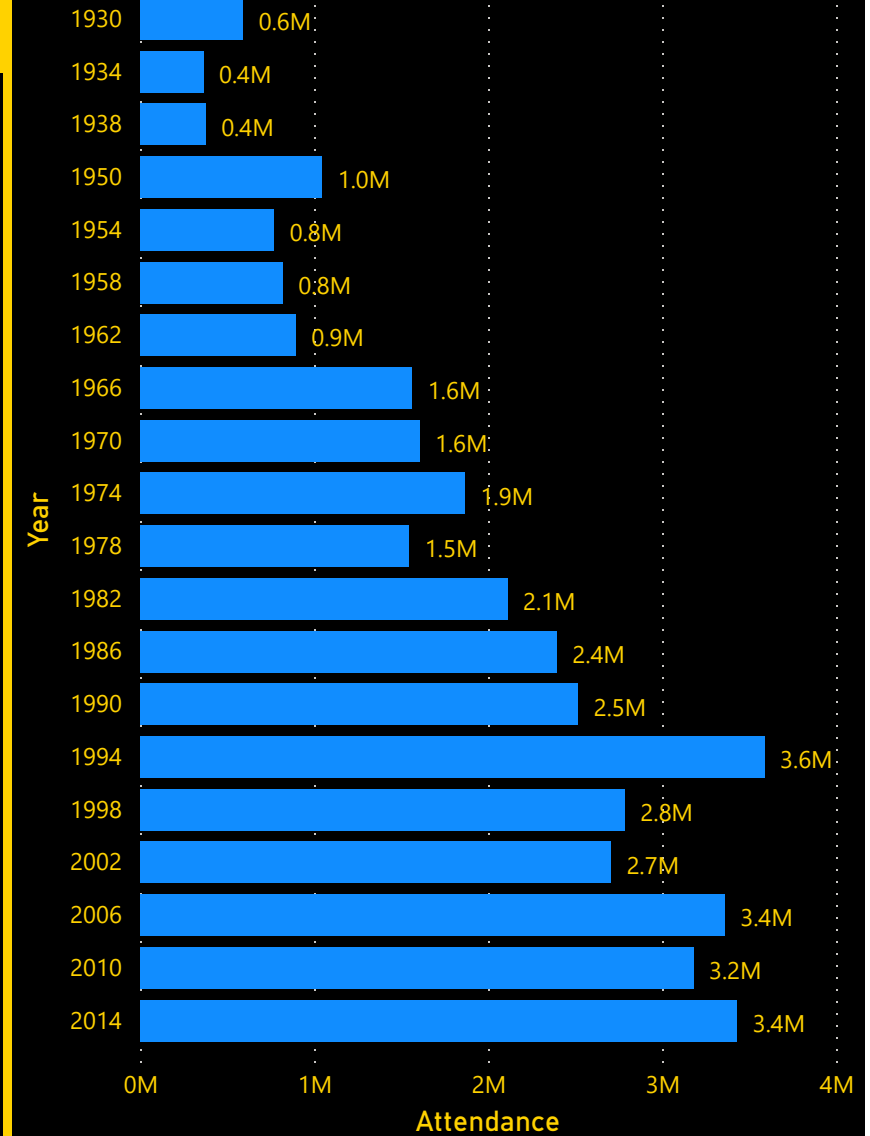
12.24K

← Attendance is more likely to increase when Stage is Final than otherwise (on average).



☐ Only show values that are influencers

ATTENDANCE BY DATE TIME



Cover Page

Analytical
Questions

General Statistics

Attendance
Analysis

Match Condition
Analysis

Home Team
Analysis

Away Team
Analysis

Goal Analysis

Team Analysis

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What influences Match Condition to be Extra Time ?

When...

...the likelihood of Match Condition being Extra Time increases by

Match Winner is Belgium

4.21x

Away Team Name is Belgium

4.06x

Match Winner is England

3.74x

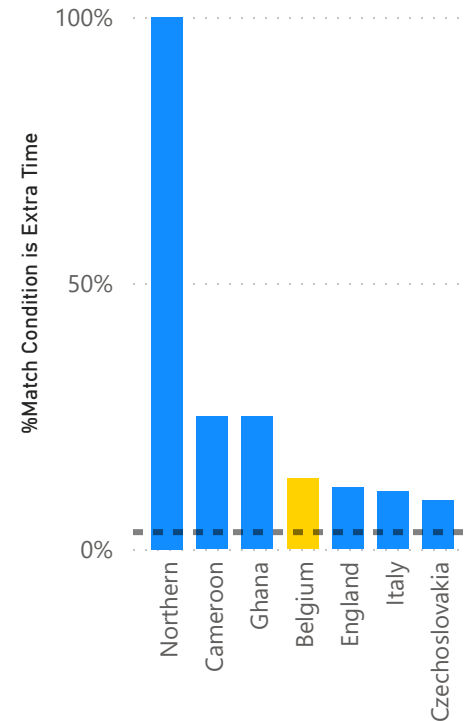
Match Winner is Italy

3.73x

Away Team Goals is more than 1

2.52x

← Match Condition is more likely to be Extra Time when Match Winner is Belgium than otherwise (on average).



☐ Only show values that are influencers

Key influencers



What influences Match Condition to be Penalties ?

When...

...the likelihood of Match Condition being Penalties increases by

Home Team Goals is 1 or less

7.85x

Home Team Name is Republic of Ireland

6.65x

Away Team Name is Argentina

5.90x

Away Team Name is France

4.88x

Match Winner is Germany

4.16x

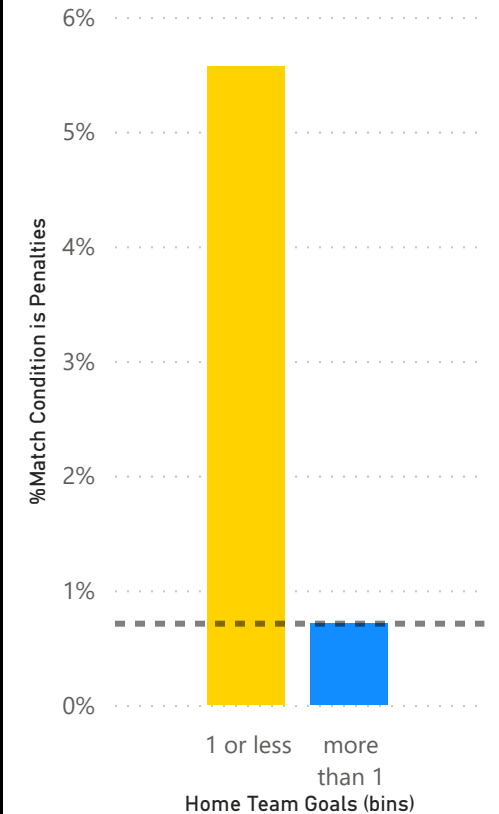
Home Team Name is Spain

3.50x

Match Winner is Argentina

3.12x

← Match Condition is more likely to be Penalties when Home Team Goals is 1 or less than otherwise (on average).



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Cover Page

Analytical
Questions

General Statistics

Attendance
Analysis

Match Condition
Analysis

Home Team
Analysis

Away Team
Analysis

Goal Analysis

Team Analysis

Key influencers



What influences Home VS Away Outcome to be Home Team Wins ?

When...

...the likelihood of Home VS
Away Outcome being Home
Team Wins increases by

Home Team Goals goes up
1.62

Infinity

Away Team Goals goes
down 1.07

Infinity

Player Goals Scored goes
up 1.94

10.35x

Yellow Cards Amount goes
up 2.59

2.42x

Red Cards Amount goes
down 0.72

2.25x

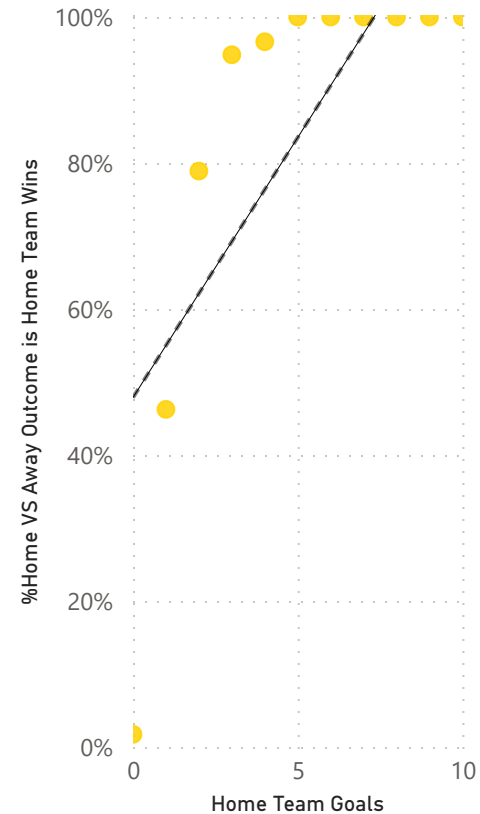
Half-time Away Goals is 0 or
less

1.54x

Home Team Name is Brazil

1.39x

← On average when Home Team Goals
increases, the likelihood of Home VS Away
Outcome being Home Team Wins increases.



Key influencers



What influences Home Team Goals to Increase ?

When...

...the average of Home
Team Goals increases by

Player Goals Scored goes
up 1.94

0.97

Half-time Home Goals goes
up 0.94

0.5

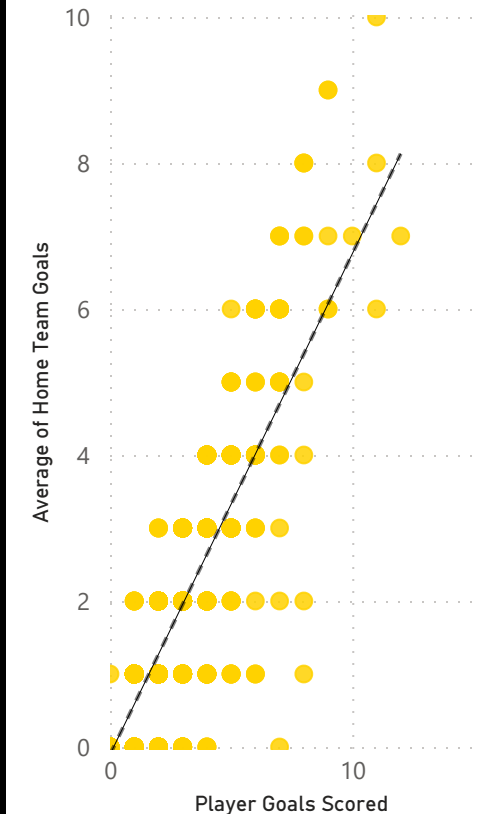
Total Substitutions goes
down 5.01

0.18

Own Goals Scored goes up
0.22

0.17

← On average when Player Goals Scored
increases, Home Team Goals also increases.



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Analytical
Questions

General Statistics

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Analysis

Match Condition
Analysis

Home Team
Analysis

Away Team
Analysis

Goal Analysis

Team Analysis

Key influencers



What influences Home VS Away Outcome to be Away Team Wins ?

When...

...the likelihood of Home VS
Away Outcome being Away
Team Wins increases by

Home Team Goals goes
down 1.62

Infinity

Away Team Goals goes up
1.07

Infinity

Host Country is South Africa

1.93x

Away Team Name is France

1.91x

Host Country is Korea/Japan

1.58x

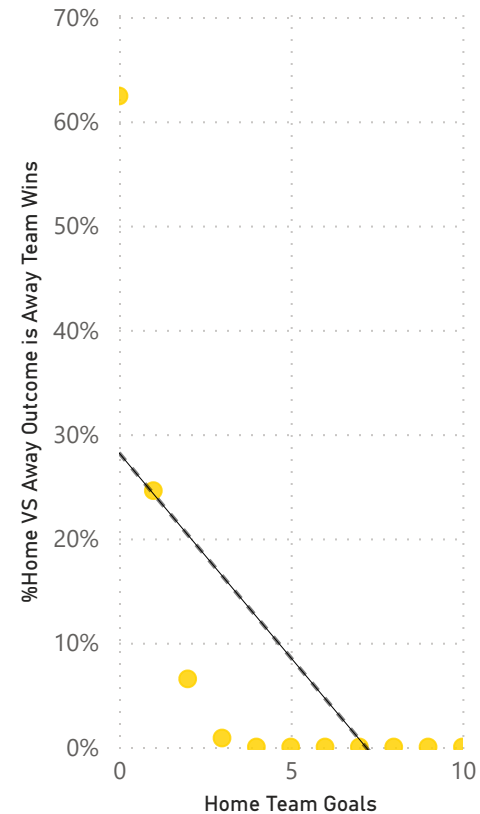
Host Country is USA

1.56x

Red Cards Amount goes up
0.72

1.34x

← On average when Home Team Goals
decreases, the likelihood of Home VS Away
Outcome being Away Team Wins increases.



Key influencers



What influences Away Team Goals to Increase ?

When...

...the average of Away Team
Goals increases by

Half-time Away Goals goes
up 0.67

0.54

Player Goals Scored goes
up 1.94

0.46

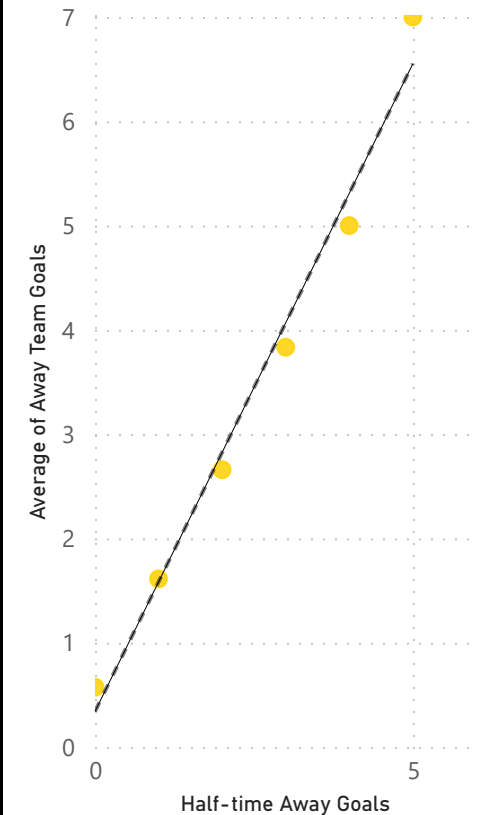
Total Substitutions goes up
5.01

0.14

Yellow Cards Amount goes
up 2.59

0.02

← On average when Half-time Away Goals
increases, Away Team Goals also increases.



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Year

☐ 1930

☐ 1934

☐ 1938

☐ 1950

☐ 1954

☐ 1958

☐ 1962

☐ 1966

☐ 1970

☐ 1974

☐ 1978

☐ 1982

☐ 1986

☐ 1990

☐ 1994

☐ 1998

☐ 2002

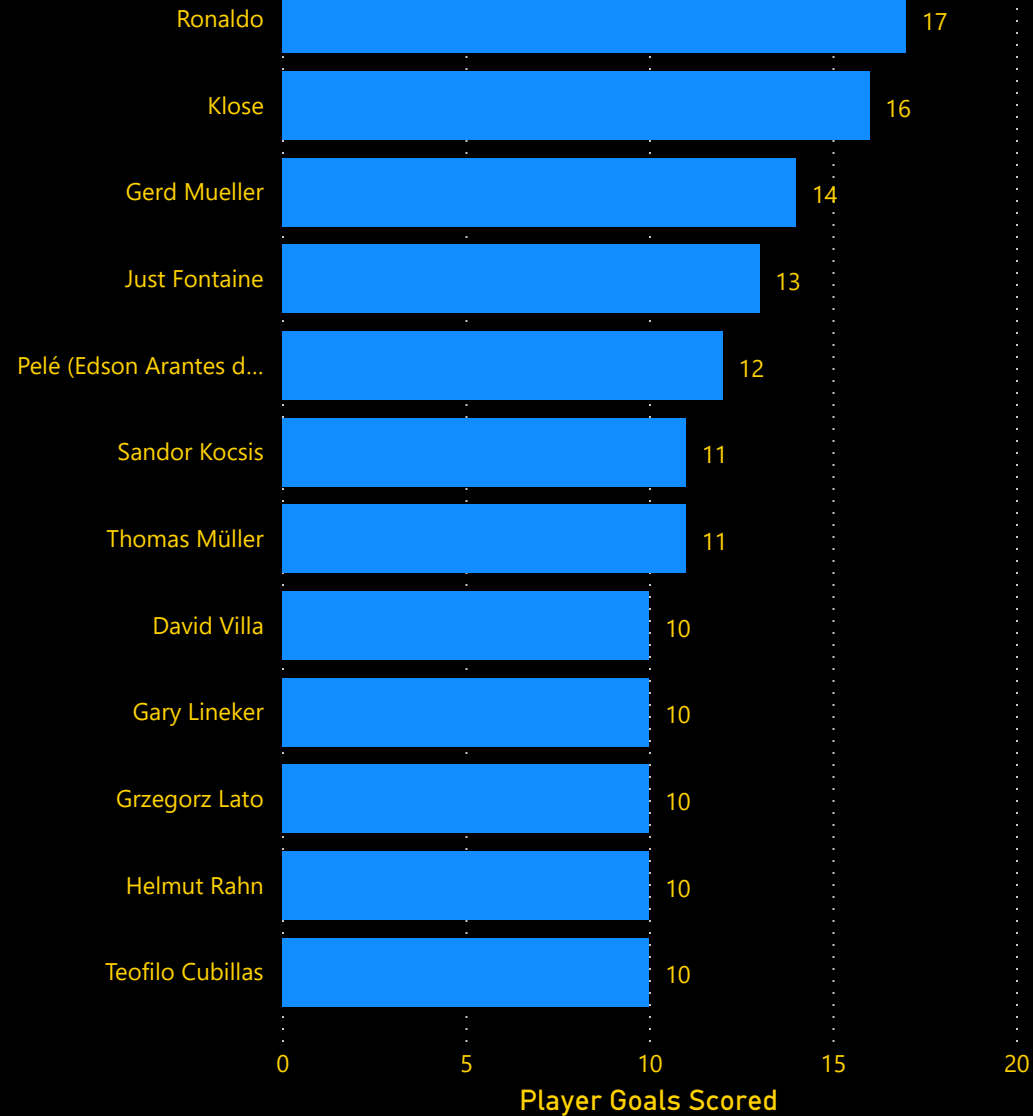
☐ 2006

☐ 2010

☐ 2014

TOP GOAL SCORERS

Player Name



Key influencers

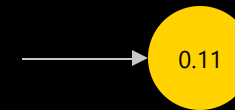


What influences Player Goals Scored to ?

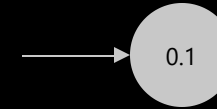
When...

....the average of Player
Goals Scored increases by

☒ Line-up is S



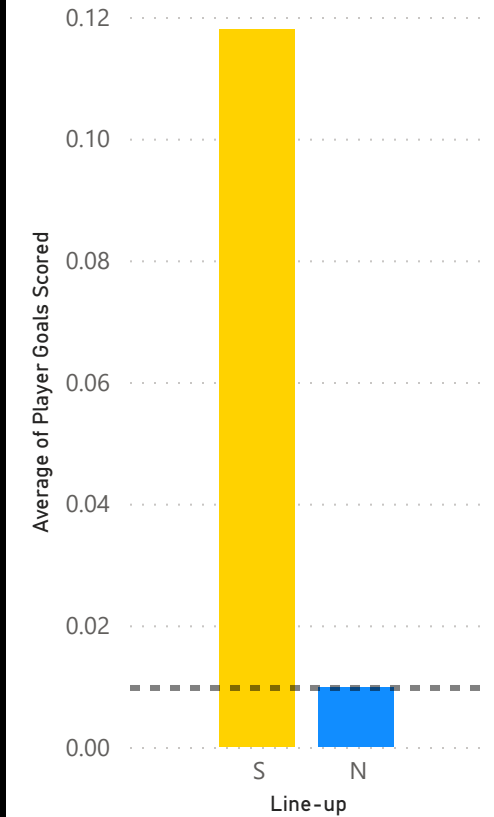
Shirt Number is 6 - 11



Red Cards Amount is 0

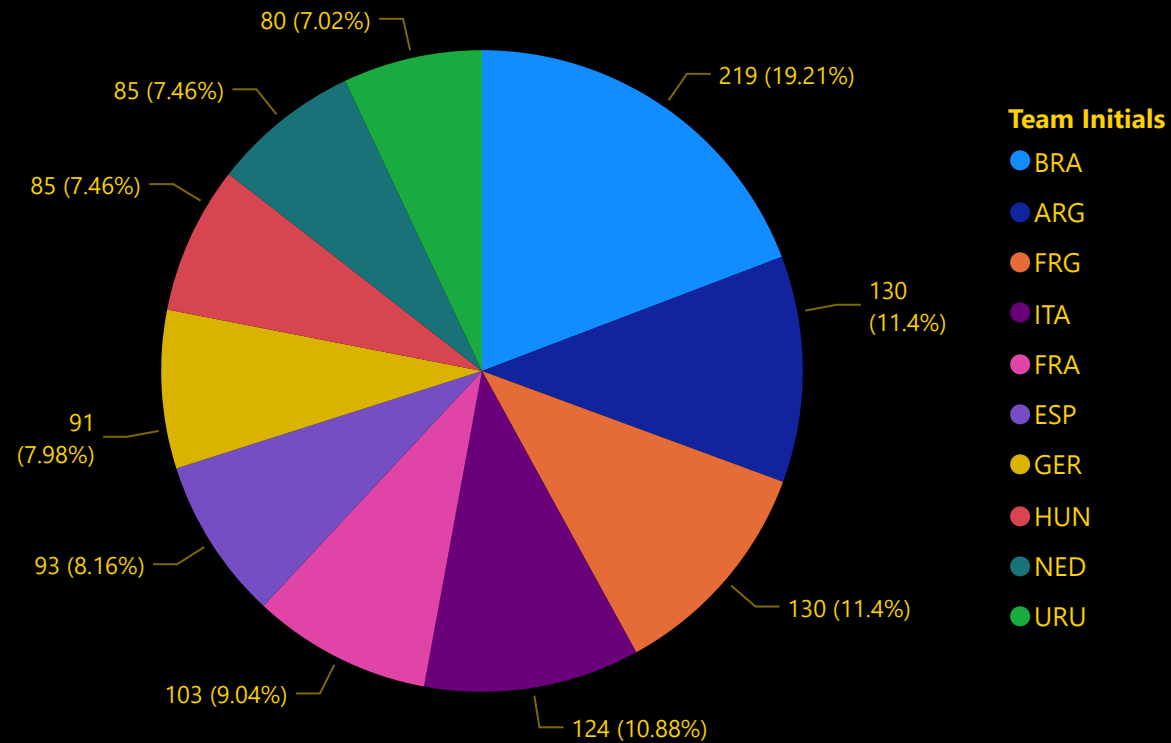


← Player Goals Scored is more likely to
increase when Line-up is S than otherwise
(on average).



☐ Only show values that are influencers

TOP TEAMS BY GOALS SCORED



TOP TEAMS BY AMOUNT OF YELLOW CARDS

