

**EDA  
ON  
FIFA WORLD CUP  
1930-2014  
USING SQL**

## TOP TEAM GOAL SCORER

```
select * from matches

/*q1-top team goal scorer */

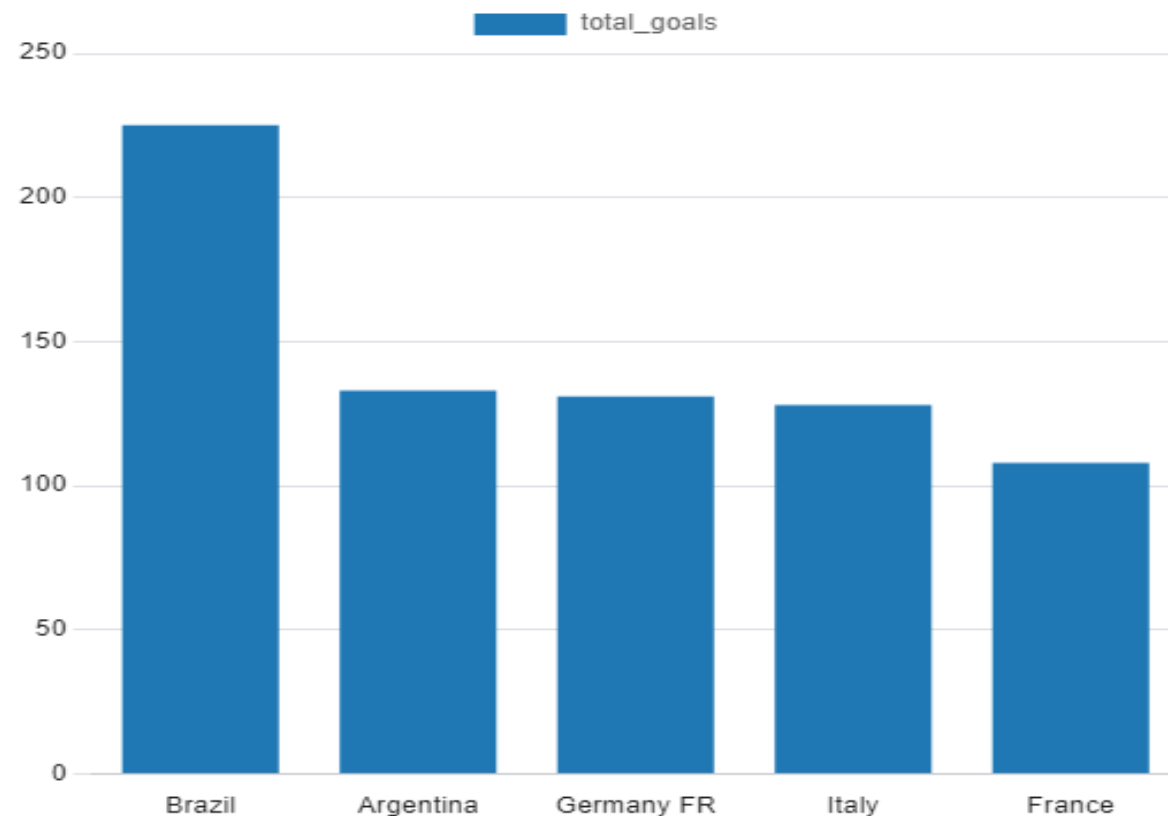
/* create temp table to get sum of home goals*/
create TEMPORARY table H as
select h_team, sum(h_team_goals) as sum_h from matches
group by h_team
order by sum_h desc

select * from h
order by sum_h desc

/* create temp table to get sum of away goals*/
create TEMPORARY table A as
select a_team, sum(a_team_goals) as sum_a from matches
group by a_team
order by sum_a desc

select * from a

/* join both home and away goals to get total goals*/
select h.h_team as team, (h.sum_h + a.sum_a) as total_goals from h
Inner join a
ON h.h_team = a.a_team
order by total_goals desc
limit 5
```



## PERCENTAGE OF TEAM WINS IN ITS HOME

```
/*q2- percent of team wins in its home */
```

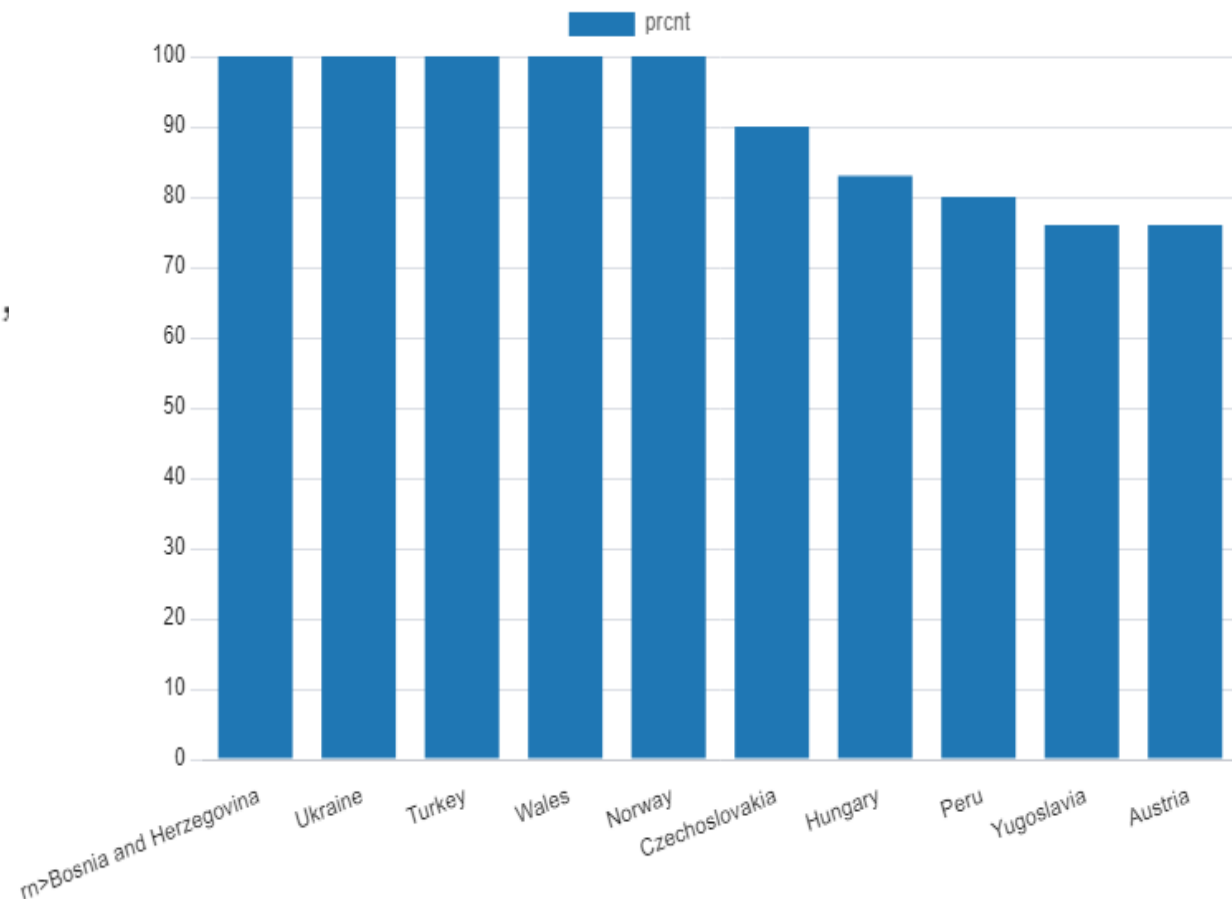
```
/* extracrt get number of home goals only */
```

```
create temporary table h_g as
select m.match_id, m.h_team, m.h_team_goals, m.a_team_goals,
(case
  when(m.h_team_goals > m.a_team_goals) then 1 else 0
end) as num from matches m
```

```
select * from h_g
```

```
/* Calculate for percentage */
```

```
select h_team, sum(num) *100 / count(num) as prcnt from h_g
group by h_team
order by prcnt desc
limit 10
```



## HIGHEST ATTENDANCE MATCH

```
/*q3- highest crowd for a team */
```

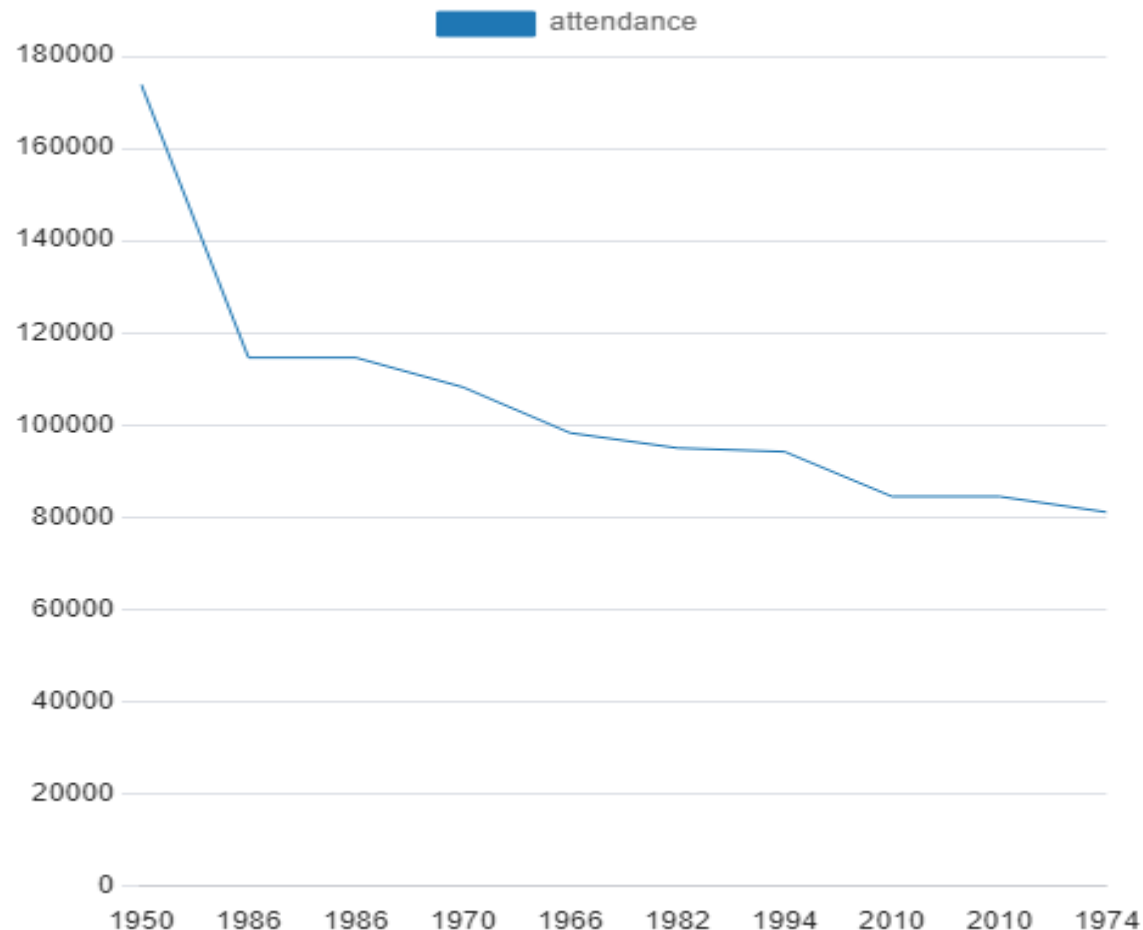
```
/* get max crowd number for every year */
```

```
create temporary table max_attn as
select years, max(attendance) as max_att from matches
group by years
order by max_att
```

```
select * from max_attn
```

```
/* join to get respective data */
```

```
select a.years, a.attendance, a.stadium, a.city, a.stage,
a.h_team as home_team, a.a_team as away_team
from matches as a
inner join max_attn as b
on a.attendance = b.max_att
order by attendance desc
limit 10
```



## GOALS INCREASED YEAR BY YEAR

```
/*q4- goals increased year by year*/
```

```
/* calculate home goals for every year */
```

```
create TEMPORARY table x1 as
select years, sum(h_team_goals) as sum_h from matches
group by years
order by sum_h desc
```

```
select * from x1
```

```
/* calculate away goals for every year */
```

```
create TEMPORARY table x2 as
select years, sum(a_team_goals) as sum_a from matches
group by years
order by sum_a desc
```

```
select * from x2
```

```
/* join to get total goals for every year*/
```

```
select x1.years as years, x1.sum_h, x2.sum_a, (x1.sum_h + x2.sum_a) as total_goals from x1
Inner join x2
ON x1.years= x2.years
order by years
```



# WHICH CAPTAIN WON THE MOST MATCHES

```
/*q5-under which captain team has win the most matches */
```

```
/* check whether match is win, lost or draw */
```

```
create temporary table t1 as
select m.match_id, m.h_team, m.h_team_goals, m.a_team_goals,
(case
  when(m.h_team_goals > m.a_team_goals) then m.h_team
  when(m.h_team_goals < m.a_team_goals) then m.a_team
  else 'draw'
end) as num from matches m
```

```
select * from t1
```

```
/*import data fro players and display*/
```

```
select * from players
```

```
/*join to get winning captains*/
```

```
create temporary table cap as
select t1.num, players.team_initials, t1.match_id, players.player_name, players.position from t1
inner join players
on t1.match_id = players.match_id
where position='C'
```

```
select * from cap
```

```
/* extract the winning teams, captains name, and its count */
```

```
create temporary table aa as
select q1.match_id, q1.h_team, q1.a_team,
(case
  when(q1.h_team = t1.num) then q1.h_team_initials
  when(q1.a_team = t1.num) then q1.a_team_initials
end) as team from matches q1
inner join t1
on q1.match_id = t1.match_id
```

```
select * from aa
```

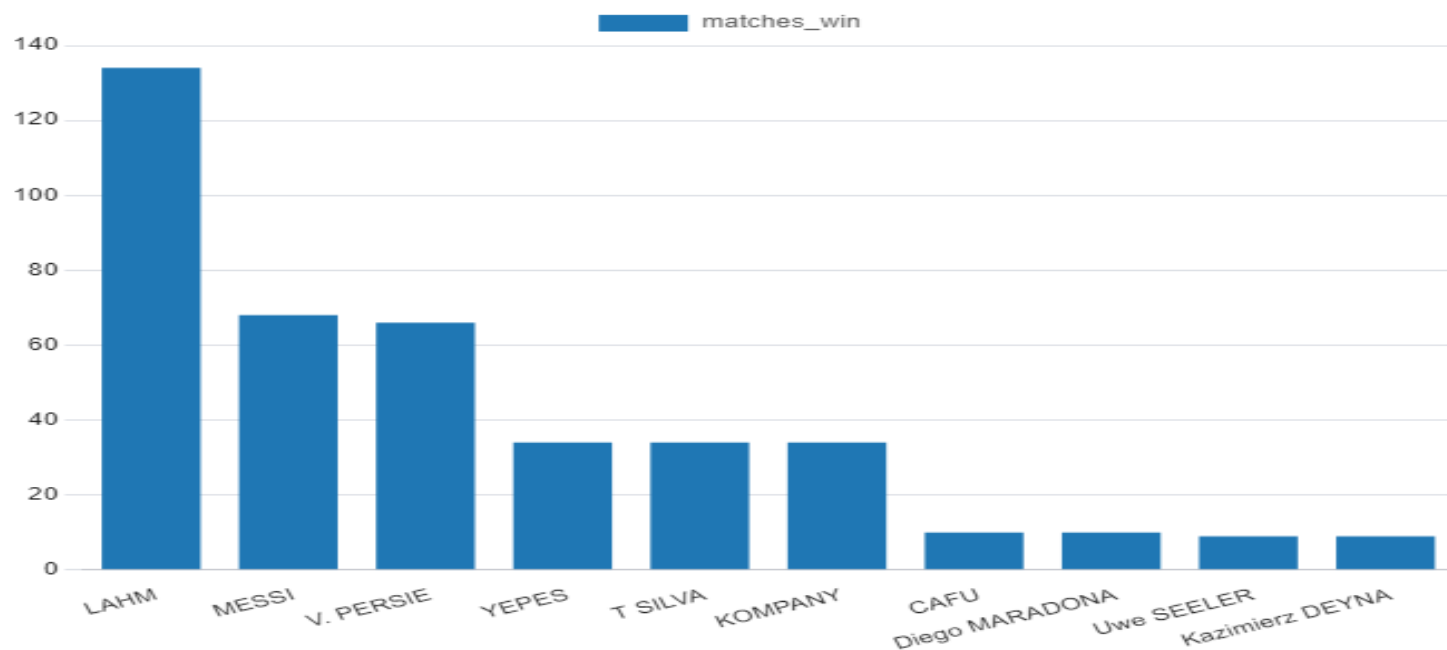
```
create temporary table win_capt as
select cap.match_id, aa.h_team, aa.a_team, aa.team as winner, cap.player_name as captain_name from cap
inner join aa
on cap.match_id=aa.match_id
where aa.team = cap.team_initials
order by match_id
```

```
select * from win_capt
```

```
create temporary table captain as
select wc.match_id, matches.years, wc.h_team, wc.a_team, wc.winner, wc.captain_name as capt from win_capt wc
inner join matches
on wc.match_id = matches.match_id
order by matches.years

select * from captain

select captain.capt as captain, captain.winner as team, count(captain.winner) as matches_win from captain
group by captain.capt, captain.winner
order by matches_win desc
limit 10
```



**Thank  
You**

