

SQL ANALYSIS OF FIFA WOMEN'S FOOTBALL CHAMPIONSHIP FROM 1991-2019

YEARS WITH THEIR GOALS

```
select year, sum(goals) total_goal_year
from [Fifafemale].[dbo].[fifafemale]
group by year
```

year	total_goal_year
1991	97
1995	99
1999	120
2003	106
2007	108
2011	85
2015	140
2019	138

TOP 10 COUNTRIES WITH THEIR TOTAL PENALTY, TOTAL ASSISTS, GOALS AND AVERAGE POSSESSION

```
--total penalty, assist, possession, goal trend between countries
select top 10 squad, sum(penalty_kicks_made) as total_penalty, sum(assists) as total_assist, AVG(possession) as average_possession, sum(goals) as total_goals_per_country
from [Fifafemale].[dbo].[fifafemale]
group by squad
order by total_goals_per_country desc
```

squad	total_penalty	total_assist	average_possession	total_goals_per_country
USA	8	70	51.7400001525879	135
Germany	6	45	52.6400001525879	119
Norway	4	37	51.4200004577637	89
Sweden	3	32	48.1800003051758	69
Brazil	5	28	56.0199996948242	65
China PR	2	15	50.9749994277954	53
England	6	28	52.5749998092651	42
Australia	0	21	51.6599998474121	37
Japan	3	18	55.2199996948242	37
Canada	1	10	49.2599998474121	34

CLASSIFICATION OF PENALTIES, ASSISTS, GOALS AND POSSESSIONS ACCORDING TO YEAR

```
--total penalty, assist, possession, goal trend per season REMOVING NULL VALUES
select year, sum(penalty_kicks_made) as total_penalty, sum(assists) as total_assist, AVG(possession) as average_possession, sum(goals) as total_goals_per_year
from [Fifafemale].[dbo].[fifafemale]
where possession is NOT NULL
group by year
order by year
```

year	total_penalty	total_assist	average_possession	total_goals_per_year
2003	0	6	50.15625	106
2007	6	51	49.3062498569489	108
2011	4	64	49.59375	85
2015	19	86	49.258333047231	140
2019	18	92	48.3791667620341	138

TOTAL NUMBER OF GOALS

```
select sum(goals) as totalgoal from [Fifafemale].[dbo].[fifafemale]
```

totalgoal
893

TOTAL NUMBER OF PENALTY GOALS

```
select sum(penalty_kicks_made)total_penalty  
from [Fifafemale].[dbo].[fifafemale]
```

total_penalty
55

NUMBER OF PARTICIPANT COUNTRIES

```
select count(distinct squad) as total_no_of_countries from [Fifafemale].[dbo].[fifafemale]
```

total_no_of_countries
36

PROBABILITY OF SCORING A PENALTY KICK

```
-- Probability of Successful Penalty Kicks  
SELECT ROUND((SUM(penalty_kicks_made) / SUM(penalty_kicks_attempted)),2) AS Prob_of_Successful_Penalty  
FROM WomensWorldCup
```

Prob_of_Successful_Penalty
1 0.87

```
-- Probability of Failed Penalty Kicks  
SELECT ROUND(((SUM(penalty_kicks_attempted) - SUM(penalty_kicks_made))  
/ SUM(penalty_kicks_attempted)),2) AS Prob_of_Failed_Penalty  
FROM WomensWorldCup
```

Prob_of_Failed_Penalty
1 0.13

