PLAYERS & TEAM PERFORMANCE ANALYSIS

Slide Members

Description

01 project is a comprehensive data analysis initiative aimed at evaluating the on-field performance of football players and teams

02 Detailed analysis of individual player and Teams performance (goals, assists, ratings)

03 To evaluate player and team performance through advanced SQL techniques and uncover actionable insights for improving strategy, selection, and management.

04 It focuses on identifying top performers, team strengths and weaknesses, and overall league dynamics using both descriptive and analytical techniques.

TABLES

1. Players Table

2. Teams Table

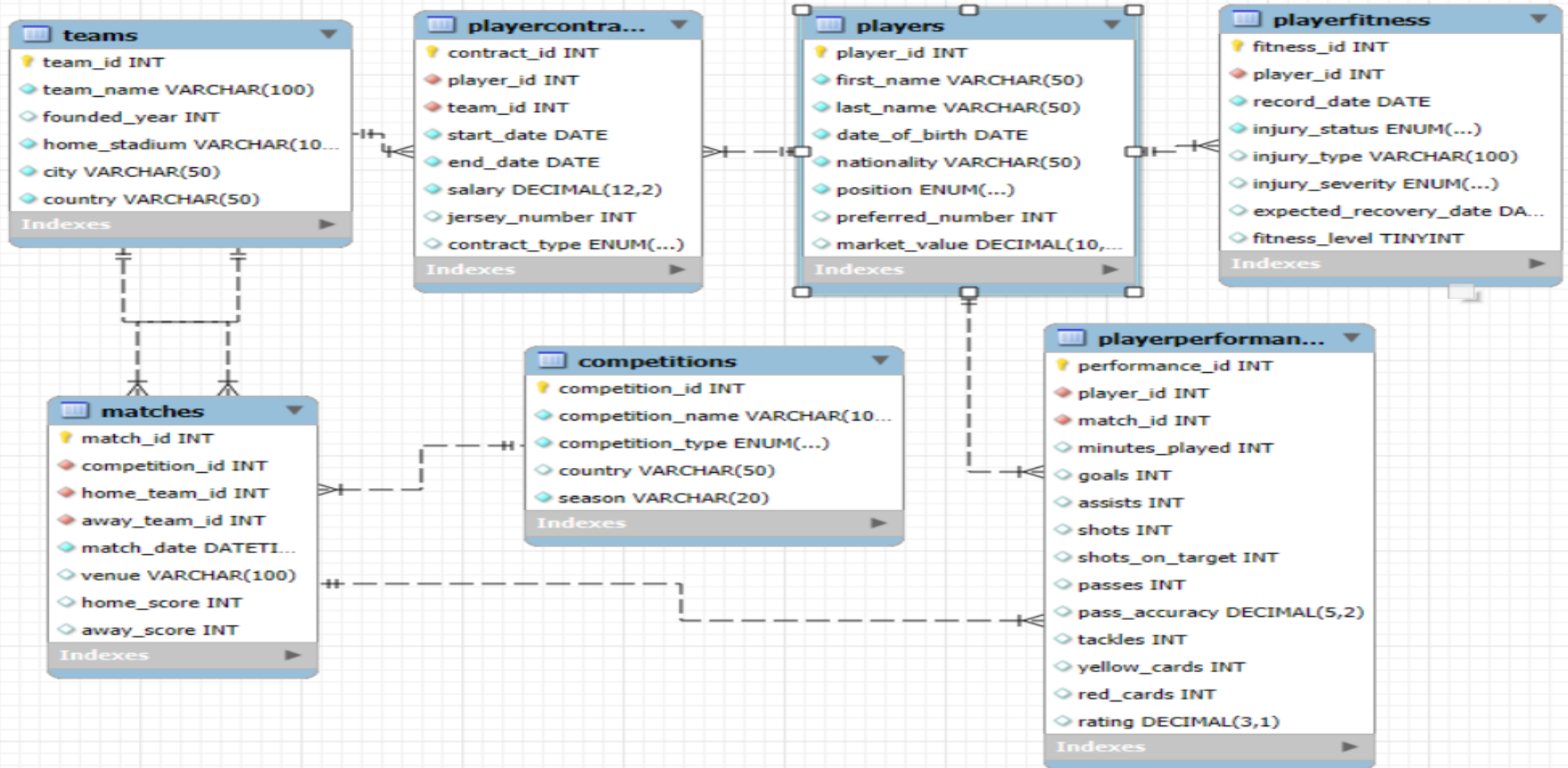3. Matches Table

4. Competitions Table

5. PlayerPerformance Table

6. PlayerContracts Table

7. PlayerFitness Table

ER Diagram

teams
- 🔑 team_id INT
- ◇ team_name VARCHAR(100)
- ◇ founded_year INT
- ◇ home_stadium VARCHAR(10...
- ◇ city VARCHAR(50)
- ◇ country VARCHAR(50)

Indexes

playercontra...
- 🔑 contract_id INT
- ◆ player_id INT
- ◆ team_id INT
- ◇ start_date DATE
- ◇ end_date DATE
- ◇ salary DECIMAL(12,2)
- ◇ jersey_number INT
- ◇ contract_type ENUM(...)

Indexes

players
- 🔑 player_id INT
- ◇ first_name VARCHAR(50)
- ◇ last_name VARCHAR(50)
- ◇ date_of_birth DATE
- ◇ nationality VARCHAR(50)
- ◇ position ENUM(...)
- ◇ preferred_number INT
- ◇ market_value DECIMAL(10,...

Indexes

playerfitness
- 🔑 fitness_id INT
- ◆ player_id INT
- ◇ record_date DATE
- ◇ injury_status ENUM(...)
- ◇ injury_type VARCHAR(100)
- ◇ injury_severity ENUM(...)
- ◇ expected_recovery_date DA...
- ◇ fitness_level TINYINT

Indexes

matches
- 🔑 match_id INT
- ◆ competition_id INT
- ◆ home_team_id INT
- ◆ away_team_id INT
- ◇ match_date DATETI...
- ◇ venue VARCHAR(100)
- ◇ home_score INT
- ◇ away_score INT

Indexes

competitions
- 🔑 competition_id INT
- ◇ competition_name VARCHAR(10...
- ◇ competition_type ENUM(...)
- ◇ country VARCHAR(50)
- ◇ season VARCHAR(20)

Indexes

playerperforman...
- 🔑 performance_id INT
- ◆ player_id INT
- ◆ match_id INT
- ◇ minutes_played INT
- ◇ goals INT
- ◇ assists INT
- ◇ shots INT
- ◇ shots_on_target INT
- ◇ passes INT
- ◇ pass_accuracy DECIMAL(5,2)
- ◇ tackles INT
- ◇ yellow_cards INT
- ◇ red_cards INT
- ◇ rating DECIMAL(3,1)

Indexes

1. Find Top 10 Players based on Rating

```sql
select concat(P.first_name," ",P.last_name) as Name,T.team_name as Team,
round(avg(PP.rating),2) as Rating from Players P
join PlayerPerformance PP on P.player_id = PP.player_id
join PlayerContracts PC on P.player_id = PC.player_id
join Teams T on PC.team_id = T.team_id
group by PP.player_id,T.team_name order by Rating desc limit 10;
```

Name	Team	Rating
Jude Bellingham	Real Madrid	8.75
Kylian Mbappé	Paris Saint-Germain	8.50
Bukayo Saka	Arsenal FC	8.07
Virgil van Dijk	Liverpool FC	8.00
Declan Rice	Arsenal FC	7.97
Federico Valverde	Real Madrid	7.95
Martin Ødegaard	Arsenal FC	7.90
Aurélien Tchouaméni	Real Madrid	7.85
Trent Alexander-Arnold	Liverpool FC	7.80
Alejandro Balde	FC Barcelona	7.80
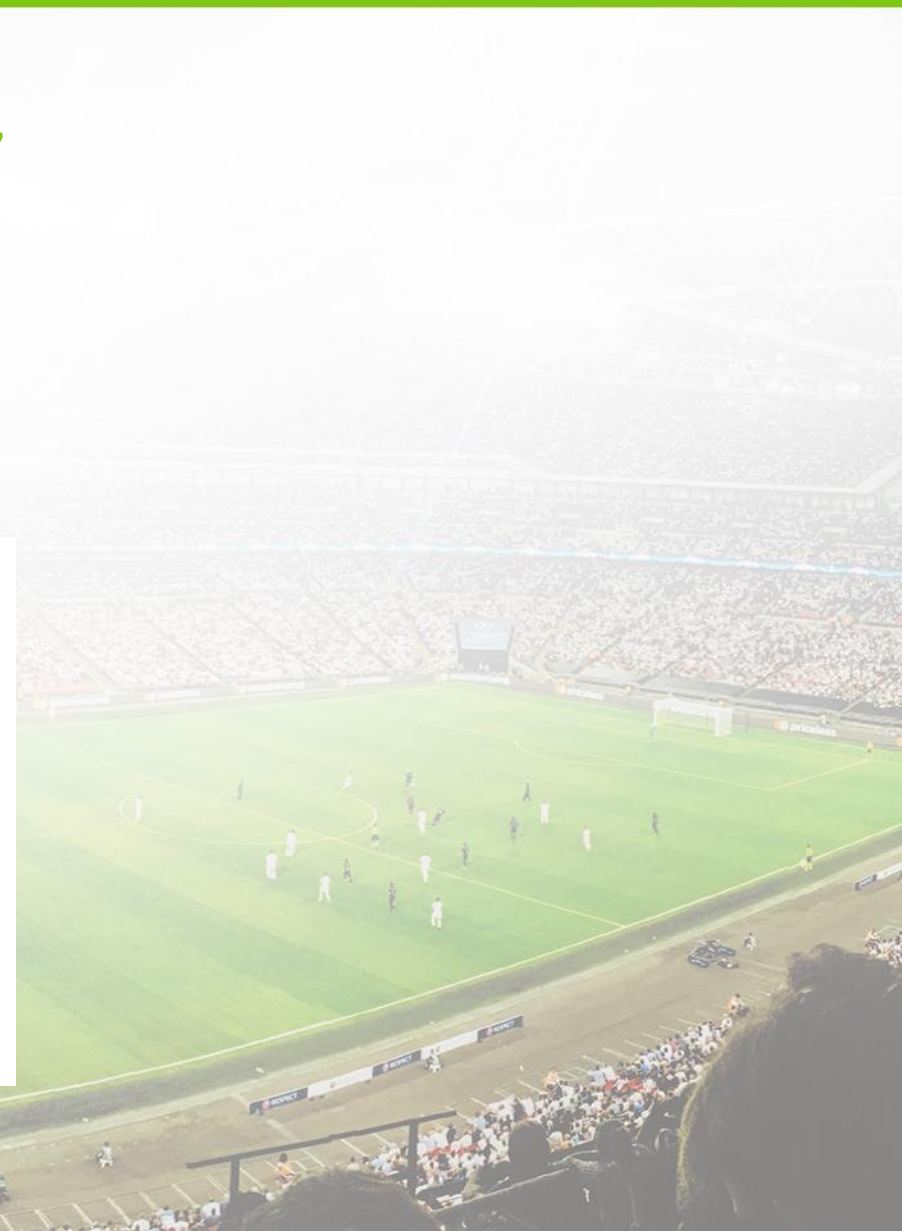
2. Find Top 10 Player based on Goals + Assists

```sql
select concat(P.first_name," ",P.last_name) as Player,T.team_name as Team,
sum(PP.goals) as goals ,sum(PP.assists) as assists,sum(goals) + sum(assists) as Performance
from PlayerPerformance PP join Players P on P.player_id = PP.player_id
join PlayerContracts PC on P.player_id = PC.player_id
join Teams T on PC.team_id = T.team_id
group by P.player_id , T.team_name order by Performance desc , goals desc limit 10;
```

Player	Team	goals	assists	Performance
Bukayo Saka	Arsenal FC	3	1	4
Jude Bellingham	Real Madrid	2	1	3
Warren Zaïre-Emery	Paris Saint-Germain	2	0	2
Kylian Mbappé	Paris Saint-Germain	2	0	2
Gabriel Jesus	Arsenal FC	2	0	2
Declan Rice	Arsenal FC	1	1	2
Mohamed Salah	Liverpool FC	1	1	2
Vinícius Júnior	Real Madrid	1	1	2
Vitinha Ferreira	Paris Saint-Germain	0	2	2
Achraf Hakimi	Paris Saint-Germain	0	2	2

3. Find Most Valued Player Based on playing position

⚽

```
select Id,rank_pos , player , position, market_value
from ( select player_id as Id,CONCAT(first_name, ' ', last_name) AS player , position , market_value ,
dense_rank() over (partition by position order by market_value desc) as rank_pos from Players )
as ranked
where rank_pos = 1order by market_value desc;
```

	Id	rank_pos	player	position	market_value
▶	39	1	Jude Bellingham	Midfielder	180.00
	107	1	Will Bellingham	Midfielder	180.00
	75	1	Kylian Mbappé	Forward	180.00
	27	1	Alejandro Balde	Defender	75.00
	48	1	Matthijs de Ligt	Defender	75.00
	34	1	Thibaut Courtois	Goalkeeper	45.00
	67	1	Gianluigi Donnarumma	Goalkeeper	45.00
	89	1	Mike Maignan	Goalkeeper	45.00

4. Find Team Effectiveness (conversion_rate)

select t.team_name , sum(pp.goals) as goals_scored , sum(pp.shots) as total_shots ,
round(sum(pp.goals)/sum(pp.shots)*100, 1) as conversion_rate
from PlayerPerformance pp join PlayerContracts pc on pp.player_id = pc.player_id
join Teams t on pc.team_id = t.team_id
group by t.team_id order by conversion_rate desc;

	team_name	goals_scored	total_shots	conversion_rate
▶	Real Madrid	5	31	16.1
	Arsenal FC	7	47	14.9
	Juventus	3	27	11.1
	Paris Saint-Germain	4	38	10.5
	Liverpool FC	2	39	5.1
	Manchester United	1	21	4.8
	AC Milan	1	30	3.3
	Borussia Dortmund	1	32	3.1
	Bayern Munich	1	33	3.0
	FC Barcelona	0	16	0.0
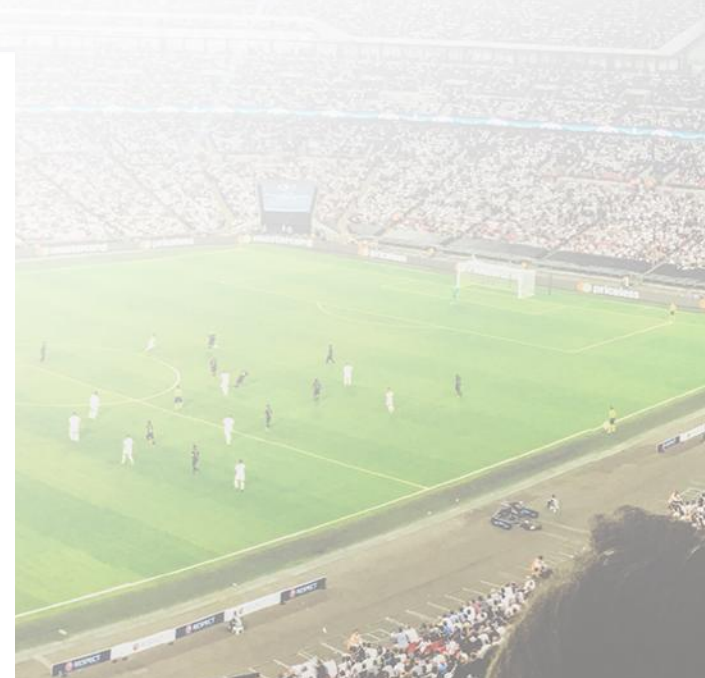
5. Create Injury report of Teams

```sql
select t.team_name , concat(p.first_name, ' ', p.last_name) as player,   pf.injury_type , pf.injury_severity ,
datediff( pf.expected_recovery_date,curdate()) as days_until_recovery
from PlayerFitness pf
join Players p on pf.player_id = p.player_id
join PlayerContracts pc on p.player_id = pc.player_id
join Teams t on pc.team_id = t.team_id
where pf.injury_status != 'Fit'order by days_until_recovery;
```

team_name	player	injury_type	injury_severity	days_until_recovery
Arsenal FC	Bukayo Saka	Ankle Sprain	Minor	4
Real Madrid	Vinícius Júnior	Calf Strain	Moderate	14
Manchester United	Raphaël Varane	Groin Strain	Moderate	20
Arsenal FC	Gabriel Magalhães	Hamstring Strain	Minor	31
AC Milan	Fikayo Tomori	ACL Tear	Severe	86
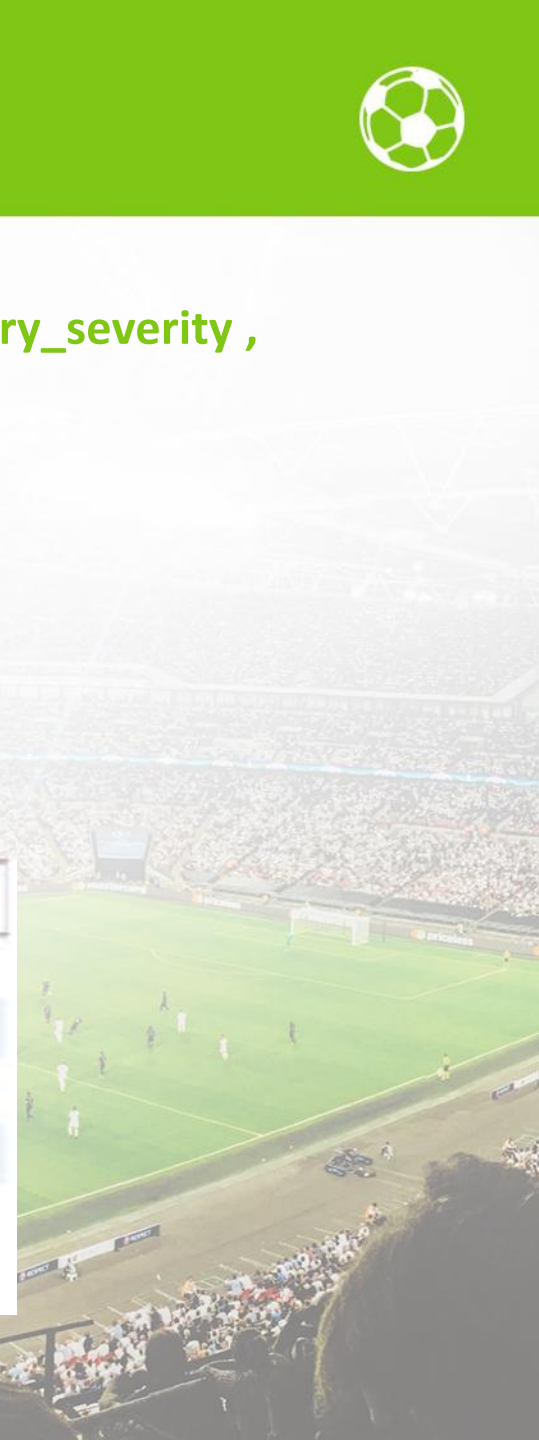
6. Find Salary Vs Performance Analysis

```sql
select concat(p.first_name, ' ', p.last_name) as player , t.team_name , pc.salary as weekly_salary ,
round(avg(pp.rating), 1) as avg_rating , round(pc.salary / avg(pp.rating), 0) as cost_per_rating_point
from PlayerContracts pc join Players p on pc.player_id = p.player_id
join PlayerPerformance pp on p.player_id = pp.player_id
join Teams t on pc.team_id = t.team_id
group by p.player_id, t.team_name, pc.salary
having count(pp.match_id) > 0 order by cost_per_rating_point desc;
```

| player	team_name	weekly_salary	avg_rating	cost_per_rating_point
Kylian Mbappé	Paris Saint-Germain	600000.00	8.5	70588
Harry Kane	Bayern Munich	450000.00	7.1	63380
Robert Lewandowski	FC Barcelona	400000.00	7.0	57143
Mohamed Salah	Liverpool FC	350000.00	7.6	46053
Frenkie de Jong	FC Barcelona	350000.00	7.7	45455
Thibaut Courtois	Real Madrid	300000.00	7.1	42254
Raphaël Varane	Manchester United	300000.00	7.2	41958
Vinícius Júnior	Real Madrid	320000.00	7.7	41558
Jude Bellingham	Real Madrid	350000.00	8.8	40000
Joshua Kimmich	Bayern Munich	280000.00	7.5	37584
Manuel Neuer	Bayern Munich	250000.00	6.8	37037
Casemiro Cardoso	Manchester United	250000.00	7.5	33557
Marquinhos Correa	Paris Saint-Germain	250000.00	7.5	33557
Marc-André ter Ste...	FC Barcelona	250000.00	7.5	33333
Bruno Fernandes	Manchester United	220000.00	7.0	31655
Virgil van Dijk	Liverpool FC	250000.00	8.0	31250

7. Find Top 10 Defenders

select concat(p.first_name, ' ', p.last_name) as player , t.team_name , sum(pp.tackles) as tackles ,

round(avg(pp.pass_accuracy), 1) as pass_accuracy

from PlayerPerformance pp join Players p on pp.player_id = p.player_id

join PlayerContracts pc on p.player_id = pc.player_id

join Teams t on pc.team_id = t.team_id

where p.position = 'Defender' group by p.player_id order by tackles descl imit 10;

	player	team_name	tackles	pass_accuracy
▶	Gabriel Magalhães	Arsenal FC	14	89.3
	Lisandro Martínez	Manchester United	11	87.8
	Ben White	Arsenal FC	10	89.4
	Gleison Bremer	Juventus	10	90.4
	Kim Min-jae	Bayern Munich	10	90.0
	William Saliba	Arsenal FC	9	93.2
	Fikayo Tomori	AC Milan	9	90.0
	Antonio Rüdiger	Real Madrid	9	90.0
	Federico Gatti	Juventus	8	87.5
	Milan Škriniar	Paris Saint-Germain	8	89.7
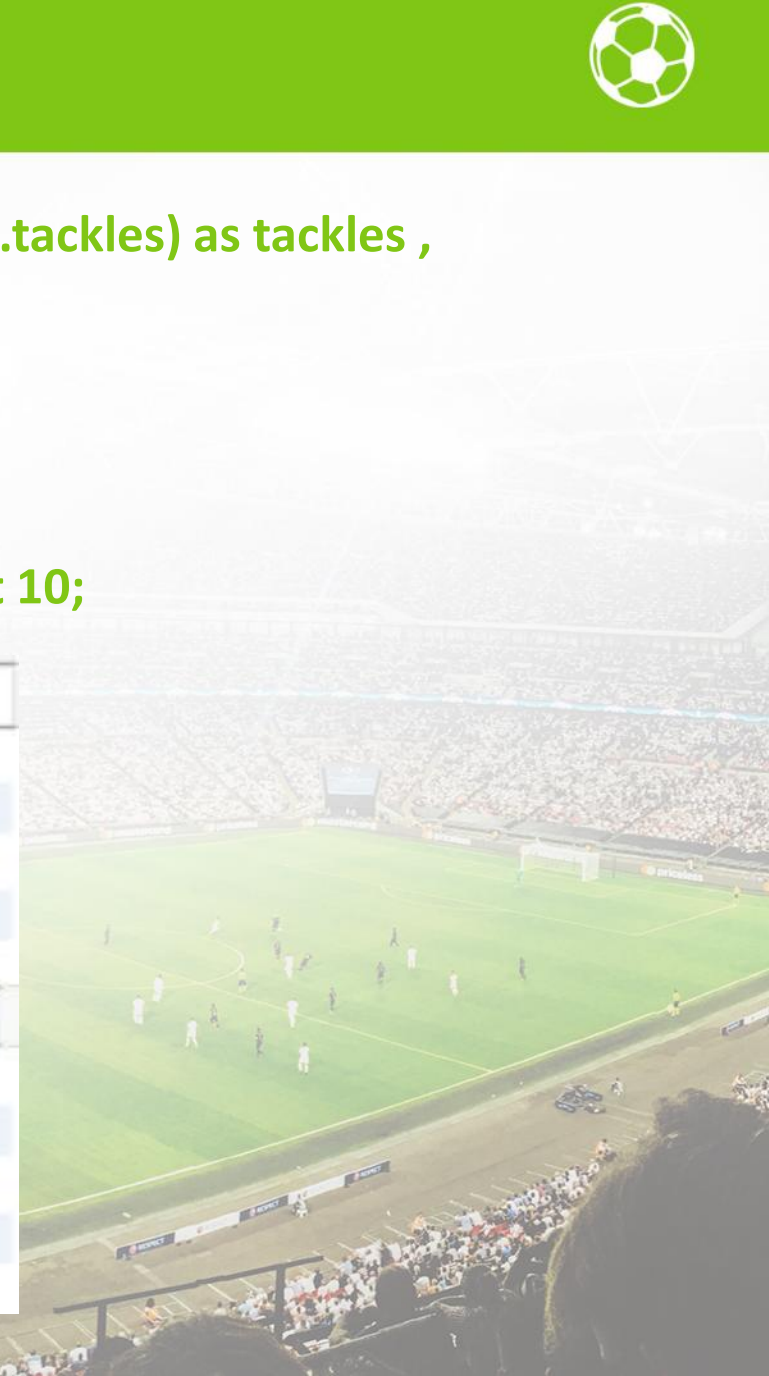
8. Create Match Summary

```sql
select m.match_date , ht.team_name as home_team , at.team_name as away_team , m.home_score ,
m.away_score,
case when m.home_score > m.away_score then ht.team_name
when m.away_score > m.home_score then at.team_name
else 'Draw'end as winnerfrom Matches m
join Teams ht on m.home_team_id = ht.team_id
join Teams at on m.away_team_id = at.team_id;
```

match_date	home_team	away_team	home_score	away_score	winner
2023-09-03 00:00:00	Arsenal FC	Manchester United	3	1	Arsenal FC
2023-10-01 00:00:00	Manchester United	Liverpool FC	0	0	Draw
2023-11-05 00:00:00	Liverpool FC	Arsenal FC	2	2	Draw
2023-10-25 00:00:00	FC Barcelona	Real Madrid	2	2	Draw
2023-11-07 00:00:00	Real Madrid	Bayern Munich	3	1	Real Madrid
2023-11-28 00:00:00	Bayern Munich	FC Barcelona	0	0	Draw
2023-10-15 00:00:00	Paris Saint-Germain	AC Milan	1	1	Draw
2023-10-15 00:00:00	Juventus	Borussia Dortmund	2	0	Juventus
2023-11-12 00:00:00	AC Milan	Juventus	0	1	Juventus
2023-11-12 00:00:00	Borussia Dortmund	Paris Saint-Germain	1	3	Paris Saint-Germain

9. Find Player with most yellow and red cards

Select t.team_name , concat(p.first_name, ' ', p.last_name) as player , sum(pp.yellow_cards) as yellows, sum(pp.red_cards) as reds

from PlayerPerformance pp join Players p on pp.player_id = p.player_id

join PlayerContracts pc on p.player_id = pc.player_id

join Teams t on pc.team_id = t.team_id

group by p.player_id having (yellows + reds) > 0 order by (yellows + reds) desc;

team_name	player	yellows	reds
Arsenal FC	Ben White	2	0
Arsenal FC	Kai Havertz	2	0
Borussia Dortmund	Nico Schlotterbeck	2	0
Borussia Dortmund	Ramy Bensebaini	2	0
Juventus	Federico Gatti	2	0
Manchester United	Lisandro Martínez	2	0
Manchester United	Casemiro Cardoso	2	0
Paris Saint-Germain	Milan Škriniar	2	0
Real Madrid	Dani Carvajal	2	0
AC Milan	Fikayo Tomori	1	0
AC Milan	Theo Hernández	1	0
AC Milan	Rafael Leão	1	0
Arsenal FC	Gabriel Magalhães	1	0

10. Goalkeeper Analysis

select concat(p.first_name, ' ', p.last_name) as goalkeeper , t.team_name ,
count(distinct m.match_id) as matches , round(avg(pp.rating), 1) as avg_rating ,
sum(m.home_score + m.away_score) as goals_conceded
from PlayerPerformance pp join Players p on pp.player_id = p.player_id
join Matches m on pp.match_id = m.match_id
join PlayerContracts pc on p.player_id = pc.player_id
join Teams t on pc.team_id = t.team_id
where p.position = 'Goalkeeper' group by p.player_id order by avg_rating desc , goals_conceded desc;

goalkeeper	team_name	matches	avg_rating	goals_conceded
Marc-André ter Stegen	FC Barcelona	1	7.5	0
Aaron Ramsdale	Arsenal FC	3	7.3	12
Thibaut Courtois	Real Madrid	2	7.1	8
Gianluigi Donnarumma	Paris Saint-Germain	2	7.1	6
Alisson Becker	Liverpool FC	2	7.1	4
Wojciech Szczęsny	Juventus	2	7.1	3
Mike Maignan	AC Milan	2	7.1	3
Manuel Neuer	Bayern Munich	2	6.8	4
Gregor Kobel	Borussia Dortmund	2	6.7	6
André Onana	Manchester United	2	6.4	4

11. Create Team Result Report

```sql
select team_name , sum(case when result = 'Win' then 1 else 0 end) as wins ,
sum(case when result = 'Draw' then 1 else 0 end) as draws , sum(case when result = 'Loss' then 1 else 0 end) as losses
from ( select ht.team_name , case when m.home_score > m.away_score then 'Win'
when m.home_score < m.away_score then 'Loss' else 'Draw' end as result
from Matches m join Teams ht ON m.home_team_id = ht.team_id
union all
select at.team_name , case when m.away_score > m.home_score then 'Win'
when m.away_score < m.home_score then 'Loss' else 'Draw' end as result
from Matches m join Teams at on m.away_team_id = at.team_id) as team_results
group by team_name order by wins desc;
```

	team_name	wins	draws	losses
▶	Juventus	2	0	0
	Arsenal FC	1	1	0
	Real Madrid	1	1	0
	Paris Saint-Germain	1	1	0
	Manchester United	0	1	1
	Liverpool FC	0	2	0
	FC Barcelona	0	2	0
	Bayern Munich	0	1	1
	AC Milan	0	1	1
	Borussia Dortmund	0	0	2
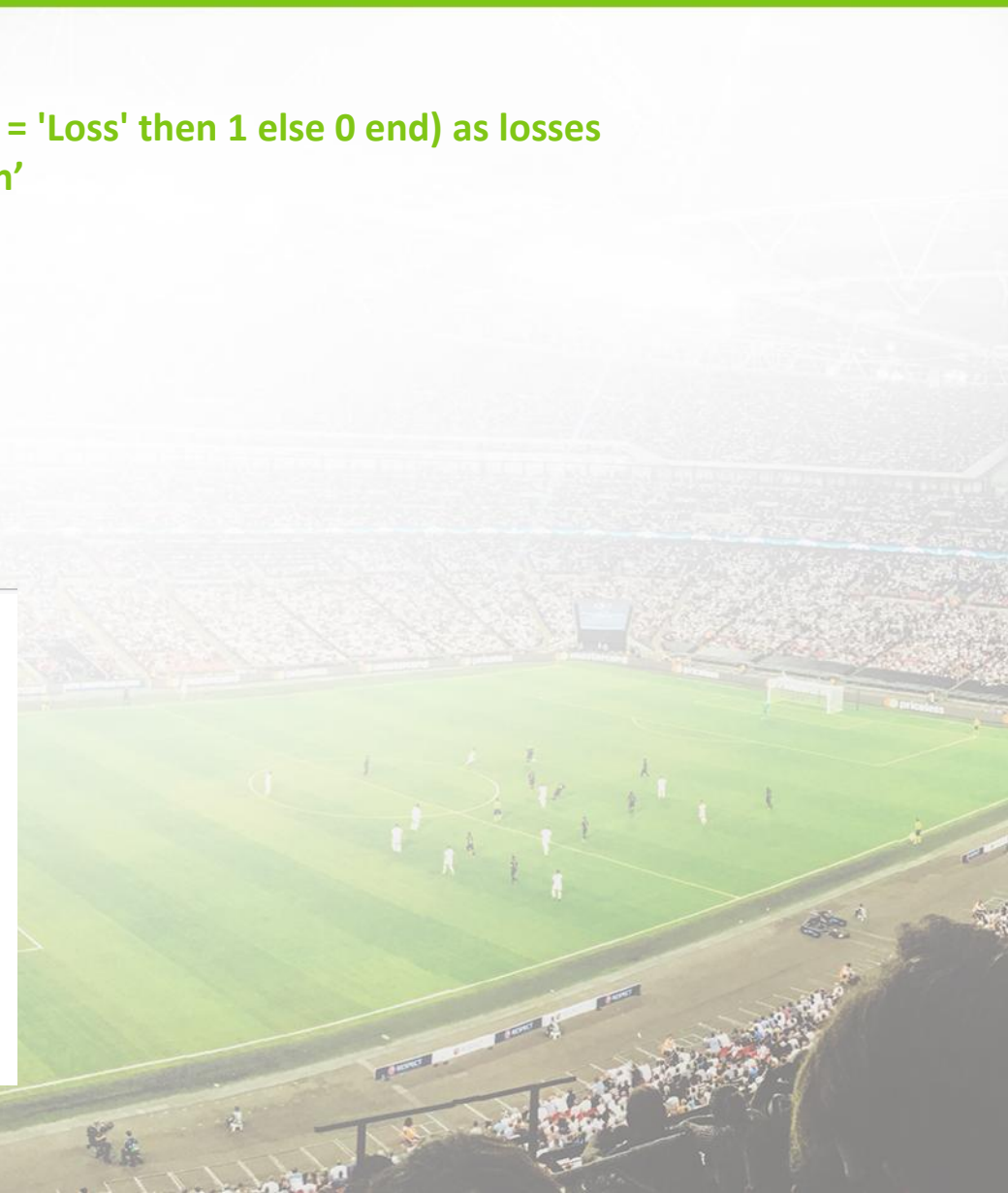
12. Team Squad Analysis

```sql
select t.team_name , count(distinct p.player_id) as squad_size,
Group_concat(distinct p.position separator ', ') as positions_covered,
avg(p.market_value) as avg_market_value
from Players p join PlayerContracts pc on p.player_id = pc.player_id
join Teams t on pc.team_id = t.team_id
group by t.team_id order by squad_size desc;
```

team_name	squad_size	positions_covered	avg_market_value
Arsenal FC	11	Goalkeeper, Defender, Midfielder, Forward	70.000000
Manchester United	11	Goalkeeper, Defender, Midfielder, Forward	51.818182
FC Barcelona	11	Goalkeeper, Defender, Midfielder, Forward	65.000000
Real Madrid	11	Goalkeeper, Defender, Midfielder, Forward	73.636364
Bayern Munich	11	Goalkeeper, Defender, Midfielder, Forward	69.545455
Juventus	11	Goalkeeper, Defender, Midfielder, Forward	32.545455
Paris Saint-Germain	11	Goalkeeper, Defender, Midfielder, Forward	62.727273
Liverpool FC	11	Goalkeeper, Defender, Midfielder, Forward	56.363636
AC Milan	11	Goalkeeper, Defender, Midfielder, Forward	39.090909
Borussia Dortmund	11	Goalkeeper, Defender, Midfielder, Forward	42.727273
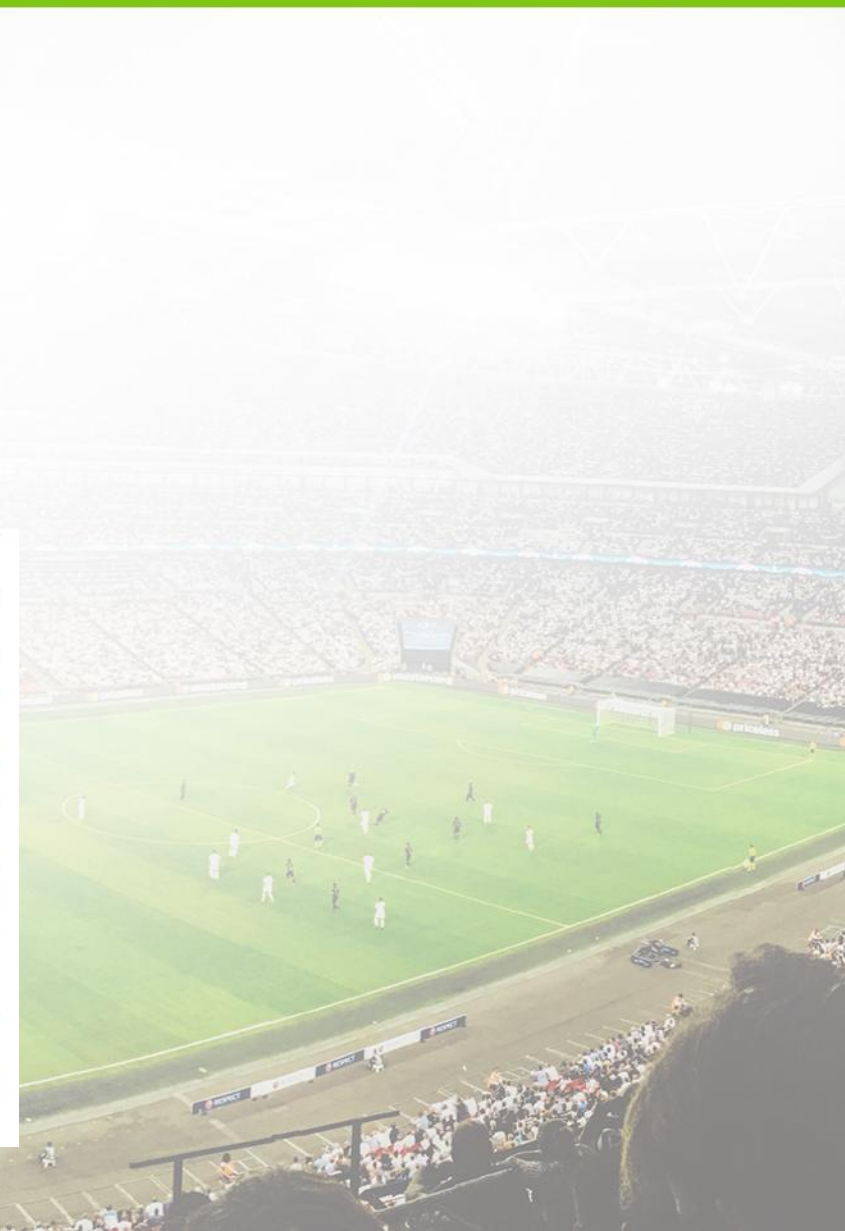
13. Find Top Young Talent

select concat(p.first_name, ' ', p.last_name) as player, t.team_name ,
timestampdiff(year, p.date_of_birth, curdate()) as ag , round(avg(pp.rating), 1) as avg_rating ,
sum(pp.goals + pp.assists) as goal_contributions
from Players p join PlayerPerformance pp on p.player_id = pp.player_id
join PlayerContracts pc on p.player_id = pc.player_id
join Teams t on pc.team_id = t.team_id
where p.date_of_birth > date_sub(curdate(), interval 25 year)
group by p.player_id having count(pp.match_id) > 0 order by avg_rating desc , goal_contributions desc limit 10;

player	team_name	age	avg_rating	goal_contributions
Jude Bellingham	Real Madrid	22	8.8	3
Bukayo Saka	Arsenal FC	23	8.1	4
Warren Zaïre-Emery	Paris Saint-Germain	19	7.8	2
Alejandro Balde	FC Barcelona	21	7.8	1
Manuel Ugarte	Paris Saint-Germain	24	7.8	0
William Saliba	Arsenal FC	24	7.7	0
Rodrygo Goes	Real Madrid	24	7.6	1
Pedri González	FC Barcelona	22	7.5	0
Gonçalo Ramos	Paris Saint-Germain	24	7.4	1
Karim Adeyemi	Borussia Dortmund	23	7.4	1

14. Find Team gaining most from home advantage

SELECT player , home_avg , away_avg , home_avg - away_avg AS home_advantage

from (select concat(p.first_name, ' ', p.last_name) as player ,

round(avg(case when m.home_team_id = pc.team_id then pp.rating end), 1) as home_avg ,

round(avg(case when m.away_team_id = pc.team_id then pp.rating end), 1) as away_avg

from PlayerPerformance pp join Players p on pp.player_id = p.player_id

join Matches m on pp.match_id = m.match_id

join PlayerContracts pc on p.player_id = pc.player_id

group by p.player_idhaving count(distinct case when m.home_team_id = pc.team_id then pp.match_id end) > 0 and count(distinct case when m.away_team_id = pc.team_id then pp.match_id end) > 0) as home_away order by home_advantage desc limit 10;

player	home_avg	away_avg	home_advantage
Federico Chiesa	8.1	6.9	1.2
Mohamed Salah	8.2	7.0	1.2
André Onana	7.0	5.8	1.2
Bukayo Saka	8.8	7.9	0.9
Gleison Bremer	8.0	7.2	0.8
Andrew Robertson	7.8	7.0	0.8
Declan Rice	8.5	7.7	0.8
Jude Bellingham	9.1	8.4	0.7
Karim Adeyemi	7.7	7.0	0.7
Diogo Dalot	7.1	6.5	0.6

15. Find active years for all Teams

select team_name , founded_year , timestampdiff(year, concat(founded_year, '-01-01') ,
curdate()) as years_active
from Teams order by years_active desc;

team_name	founded_year	years_active
Manchester United	1878	147
Arsenal FC	1886	139
Liverpool FC	1892	133
Juventus	1897	128
FC Barcelona	1899	126
AC Milan	1899	126
Bayern Munich	1900	125
Real Madrid	1902	123
Borussia Dortmund	1909	116
Paris Saint-Germain	1970	55
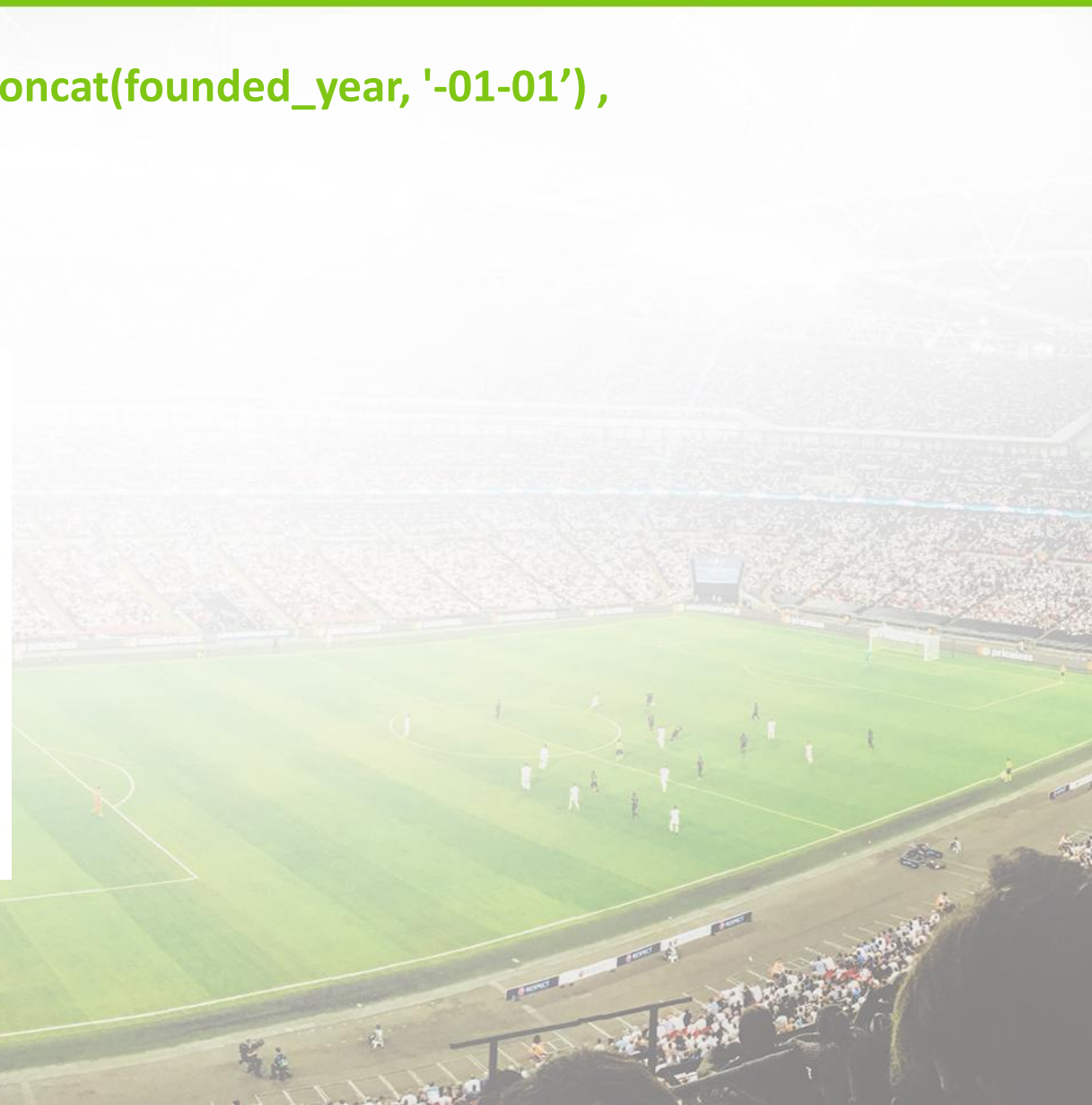
16. Find average Teams (all Players) rating

select t.team_name, ROUND(avg(pp.rating), 1) as avg_rating
from PlayerPerformance pp join PlayerContracts pc on pp.player_id = pc.player_id
join Teams t on pc.team_id = t.team_id
group by t.team_name order by avg_rating desc;

	team_name	avg_rating
▶	Real Madrid	7.6
	Arsenal FC	7.5
	Paris Saint-Germain	7.5
	Liverpool FC	7.4
	FC Barcelona	7.3
	Juventus	7.2
	AC Milan	7.1
	Bayern Munich	7.1
	Borussia Dortmund	7.0
	Manchester United	6.9
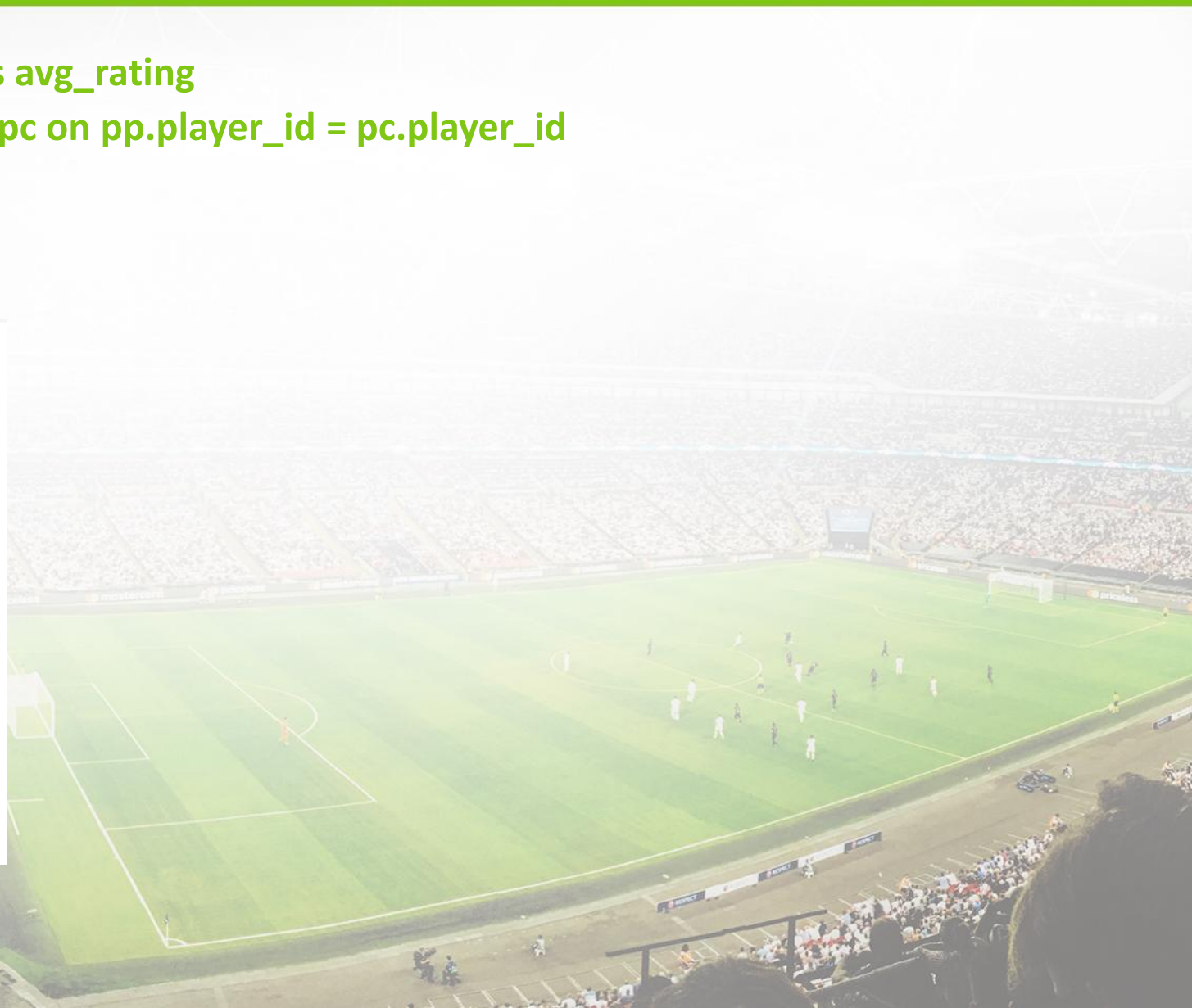
17. Find No of Players in Team of same nationality

```sql
select nationality, count(*) as player_count
from Players
group by nationality
order by player_count desc;
```

team_name	avg_rating
Real Madrid	7.6
Arsenal FC	7.5
Paris Saint-Germain	7.5
Liverpool FC	7.4
FC Barcelona	7.3
Juventus	7.2
AC Milan	7.1
Bayern Munich	7.1
Borussia Dortmund	7.0
Manchester United	6.9
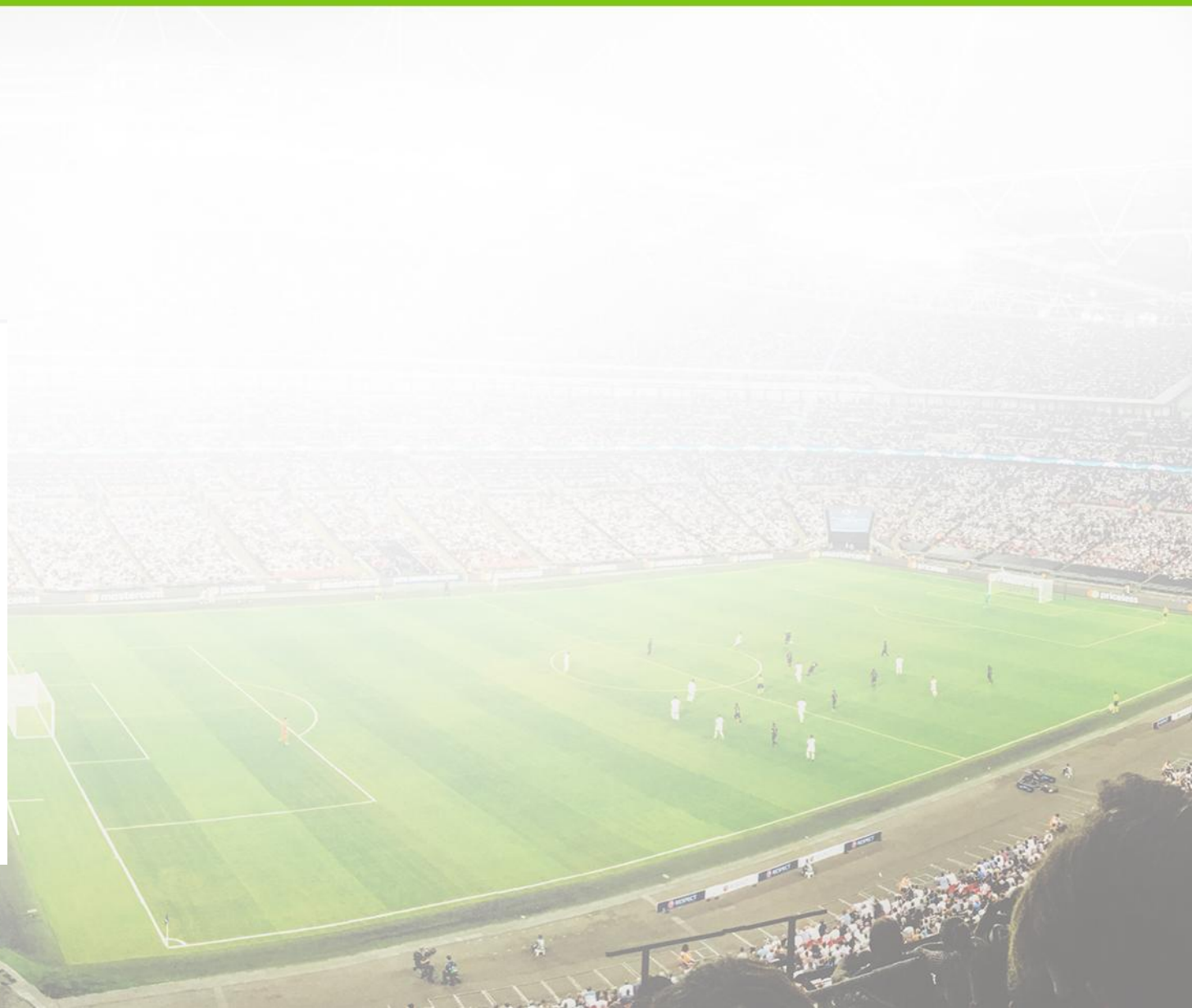
18. Find Cleansheets for Goalkeeper

```
select concat(p.first_name, ' ', p.last_name) as goalkeeper , t.team_name , count(*) as clean_sheets
from PlayerPerformance pp
join Players p on pp.player_id = p.player_id
join Matches m on pp.match_id = m.match_id
join PlayerContracts pc on p.player_id = pc.player_id
join Teams t on pc.team_id = t.team_id
where p.position = 'Goalkeeper' and ((m.home_team_id = t.team_id and m.away_score = 0)
or (m.away_team_id = t.team_id and m.home_score = 0))
group by goalkeeper order by clean_sheets desc;
```

	goalkeeper	team_name	clean_sheets
▶	Wojciech Szczęsny	Juventus	2
	Manuel Neuer	Bayern Munich	1
	Marc-André ter Stegen	FC Barcelona	1
	Alisson Becker	Liverpool FC	1
	André Onana	Manchester United	1

19. Find Teams which conceded most goal

select t.team_name ,

sum(case when m.home_team_id = t.team_id then m.away_score else m.home_score end) as goals_conceded

from Matches m join Teams t on t.team_id in (m.home_team_id, m.away_team_id)

group by t.team_name order by goals_conceded desc;

team_name	goals_conceded
Borussia Dortmund	5
Arsenal FC	3
Manchester United	3
Real Madrid	3
Bayern Munich	3
Liverpool FC	2
FC Barcelona	2
Paris Saint-Germain	2
AC Milan	2
Juventus	0

20. Find Players highest pass accuracy

```sql
select concat(first_name, ' ', last_name) as player , round(avg(pass_accuracy), 1) as avg_pass_accuracy
from PlayerPerformance pp join Players p on pp.player_id = p.player_id
where passes > 20 group by player order by avg_pass_accuracy desc limit 10;
```

player	avg_pass_accuracy
Marc-André ter Stegen	95.0
Mike Maignan	94.6
Thibaut Courtois	94.6
Virgil van Dijk	94.3
Frenkie de Jong	94.0
Pedri González	93.4
Marquinhos Correa	93.3
William Saliba	93.2
Joshua Kimmich	93.1
Martin Ødegaard	93.1

21. Find high scoring Matches

```sql
select m.match_date, ht.team_name as home_team , at.team_name as away_team ,
m.home_score + m.away_score as total_goals
from Matches m join Teams ht on m.home_team_id = ht.team_id
join Teams at on m.away_team_id = at.team_id
order by total_goals desc limit 5;
```

	match_date	home_team	away_team	total_goals
▶	2023-09-03 00:00:00	Arsenal FC	Manchester United	4
	2023-11-05 00:00:00	Liverpool FC	Arsenal FC	4
	2023-10-25 00:00:00	FC Barcelona	Real Madrid	4
	2023-11-07 00:00:00	Real Madrid	Bayern Munich	4
	2023-11-12 00:00:00	Borussia Dortmund	Paris Saint-Germain	4
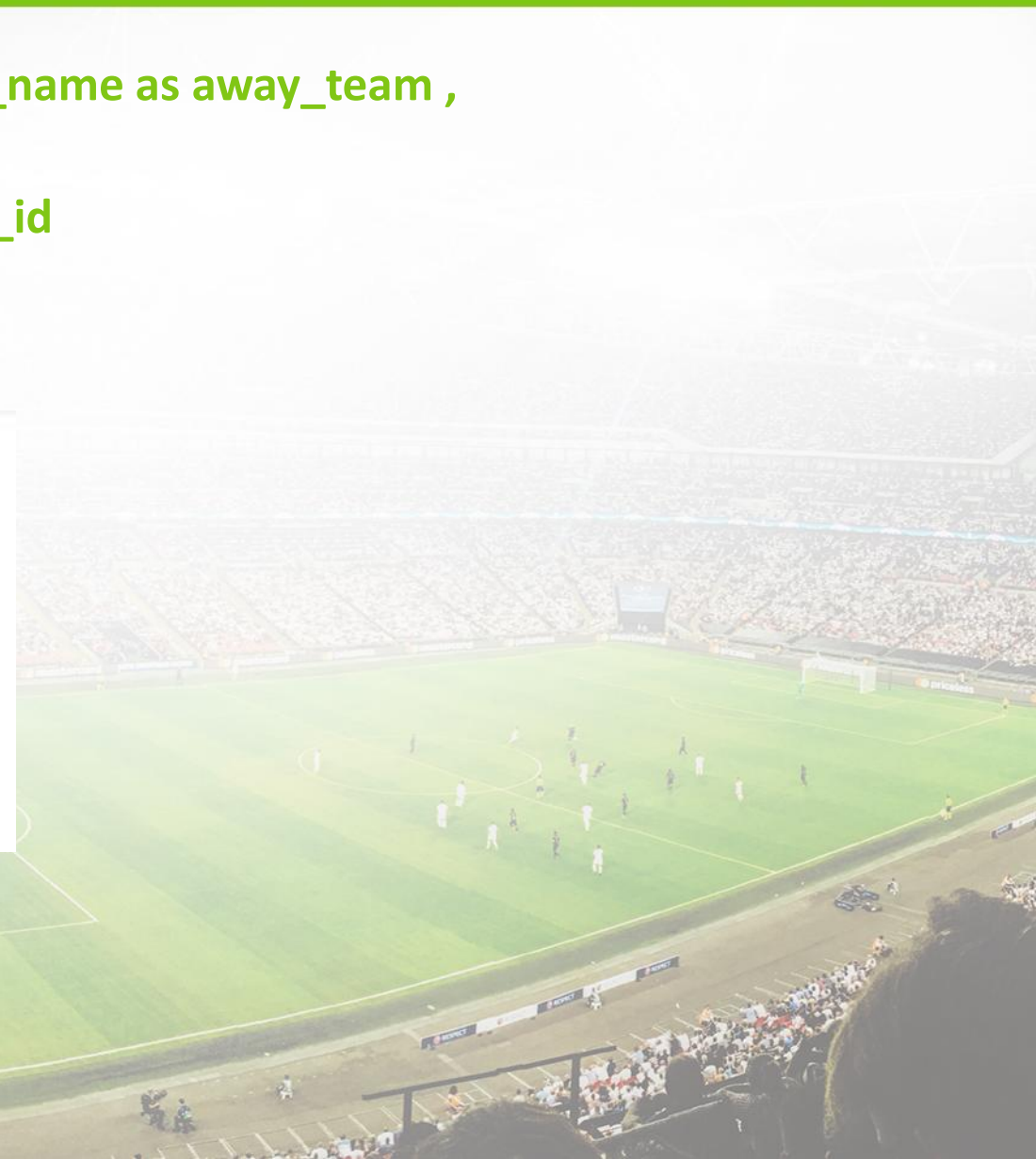
22. Find average goals per Match

SELECT ROUND(AVG(home_score + away_score), 1) AS avg_goals_per_matchFROM Matches

avg_goals_per_match
2.5
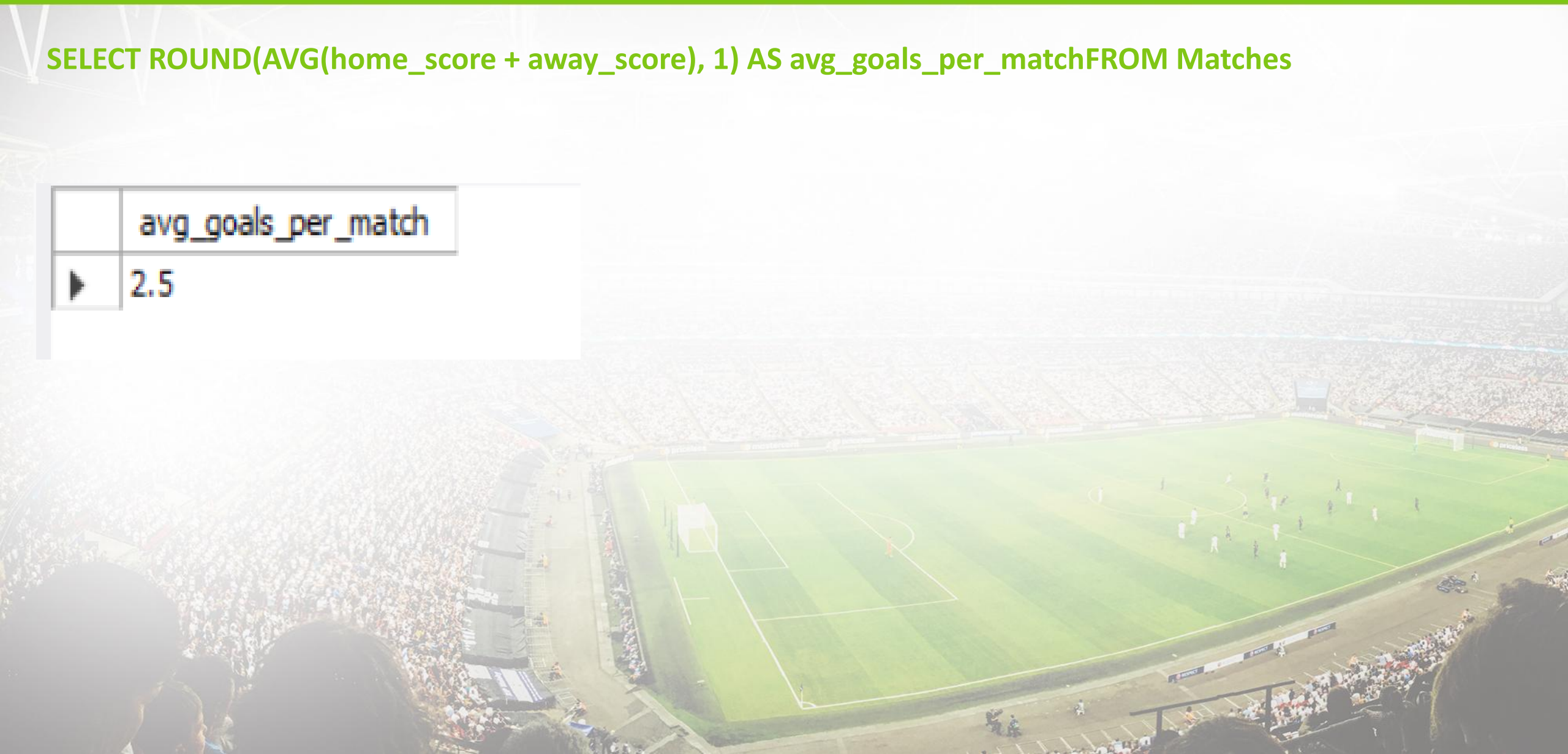
23. Find Teams Conceding most Yellow cards

select t.team_name, SUM(pp.yellow_cards) AS yellow_cards

from PlayerPerformance pp join PlayerContracts pc on pp.player_id = pc.player_id

join Teams t on pc.team_id = t.team_id

group by t.team_name order by yellow_cards desc;

team_name	yellow_cards
Arsenal FC	8
Manchester United	6
Bayern Munich	4
Borussia Dortmund	4
Juventus	4
Liverpool FC	4
Real Madrid	4
AC Milan	3
Paris Saint-Germain	2
FC Barcelona	1

24. Find Average Team Player Age

select t.team_name, round(avg(timestampdiff(year, p.date_of_birth, CURDATE())), 1) as avg_age

from Players p join PlayerContracts pc on p.player_id = pc.player_id

join Teams t on pc.team_id = t.team_id group by t.team_name order by avg_age;

	team_name	avg_age
▶	Arsenal FC	26.0
	FC Barcelona	26.1
	Paris Saint-Germain	26.2
	Manchester United	27.5
	AC Milan	27.7
	Borussia Dortmund	28.1
	Liverpool FC	28.1
	Bayern Munich	28.5
	Juventus	28.5
	Real Madrid	28.9
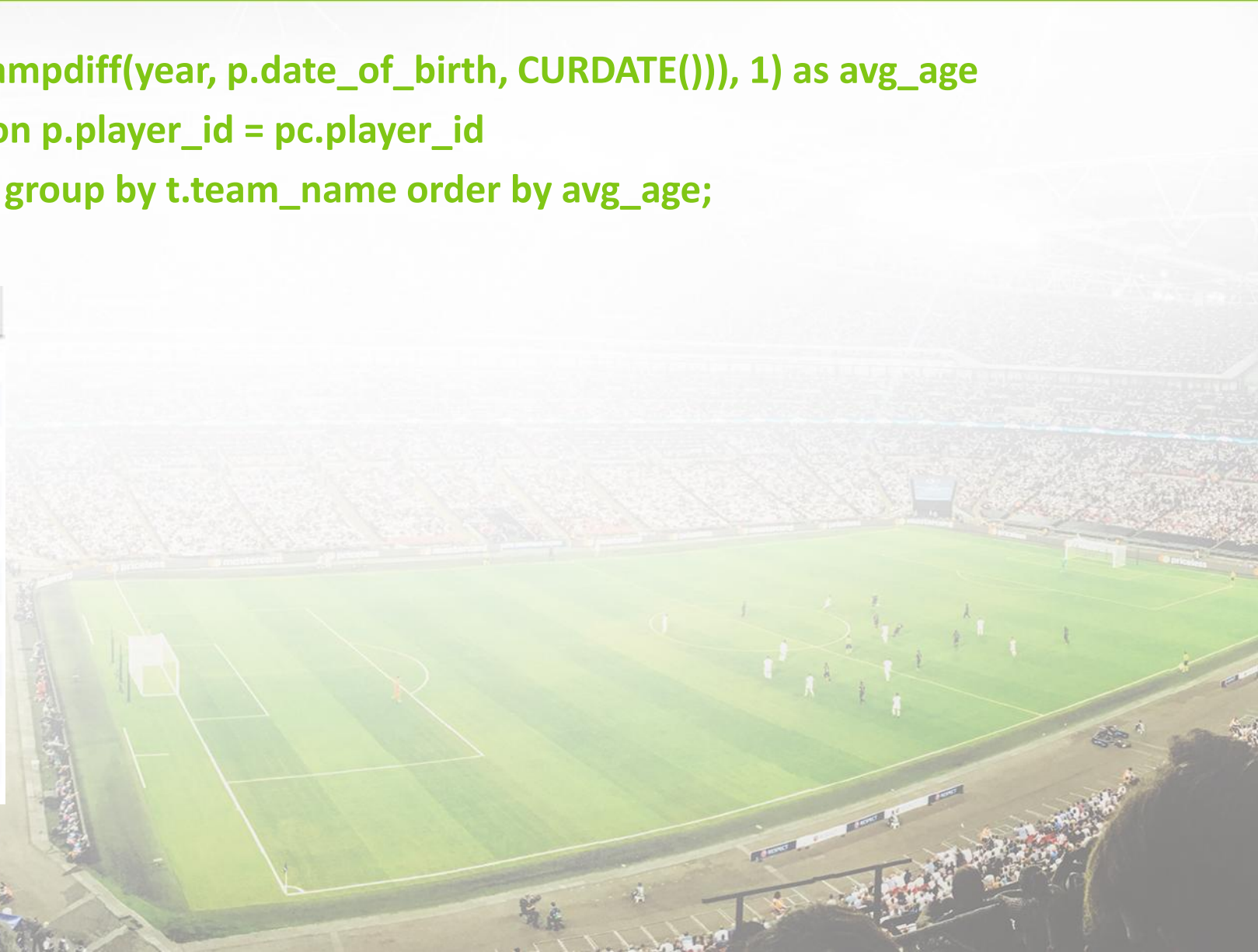
25. Find Players who scored in their last match

select concat(p.first_name, ' ', p.last_name) as player , max(m.match_date) as last_match_date

from PlayerPerformance pp join Players p on pp.player_id = p.player_id

join Matches m on pp.match_id = m.match_id

where pp.goals > 0 group by player;

|	player	last_match_date
►	Declan Rice	2023-09-03 00:00:00
	Bukayo Saka	2023-11-05 00:00:00
	Gabriel Jesus	2023-10-25 00:00:00
	Marcus Rashford	2023-09-03 00:00:00
	Virgil van Dijk	2023-11-05 00:00:00
	Mohamed Salah	2023-11-05 00:00:00
	Gabriel Martinelli	2023-11-05 00:00:00
	Vinícius Júnior	2023-10-25 00:00:00
	Joselu Mato	2023-10-25 00:00:00
	Jude Bellingham	2023-11-07 00:00:00
	Rodrygo Goes	2023-11-07 00:00:00
	Harry Kane	2023-11-07 00:00:00
	Warren Zaïre-E...	2023-11-12 00:00:00
	Christian Pulišić	2023-10-15 00:00:00
	Gleison Bremer	2023-10-15 00:00:00
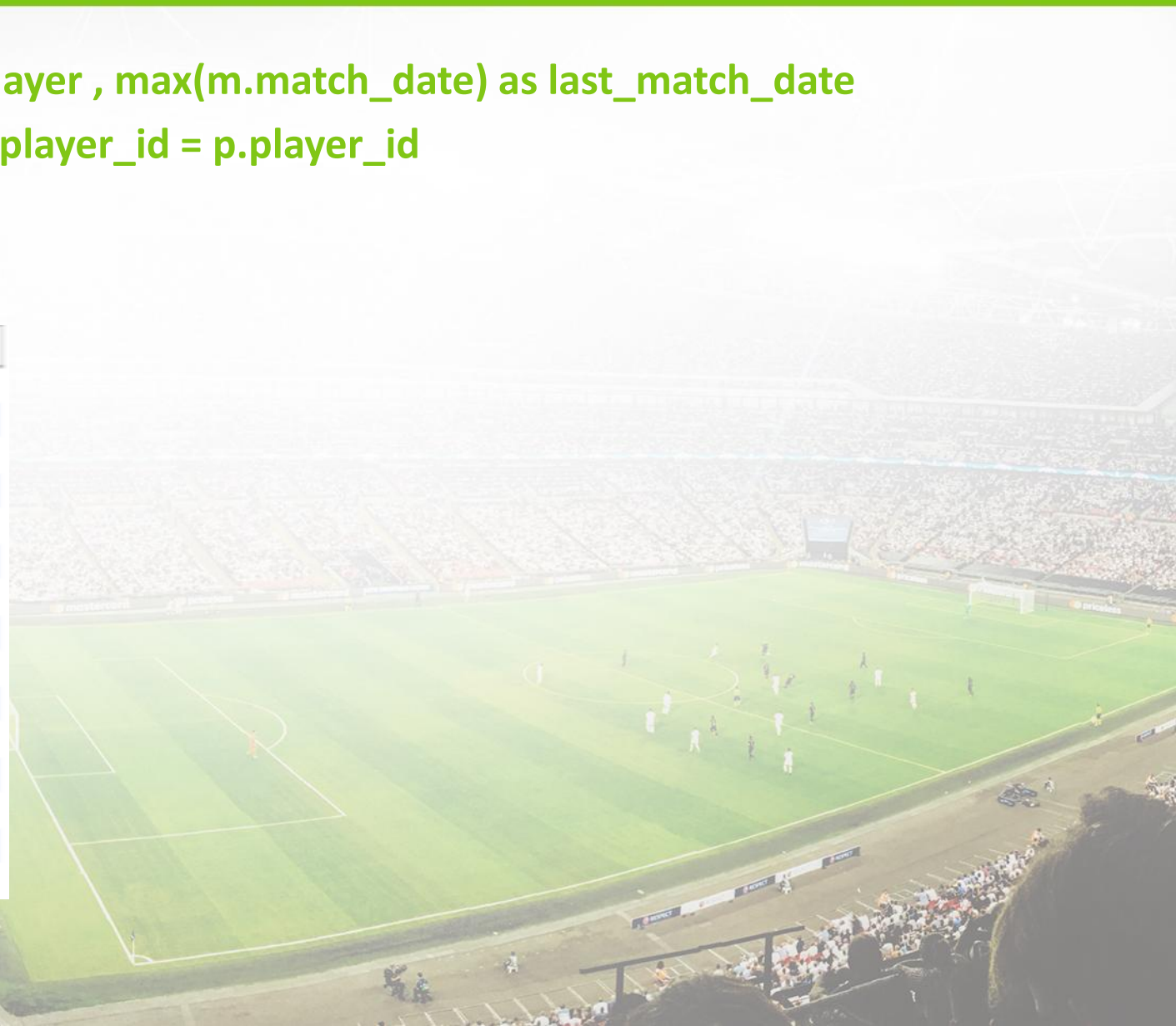
26. Find Players with Most Man of the Match (High Ratings)

select concat(first_name, ' ', last_name) as player , count(*) as high_rating_games

from PlayerPerformance pp

join Players p on pp.player_id = p.player_id

where rating >= 8.5 group by player order by high_rating_games desc limit 10;

| player	high_rating_games
Declan Rice	1
Bukayo Saka	1
Jude Bellingham	1
Kylian Mbappé	1
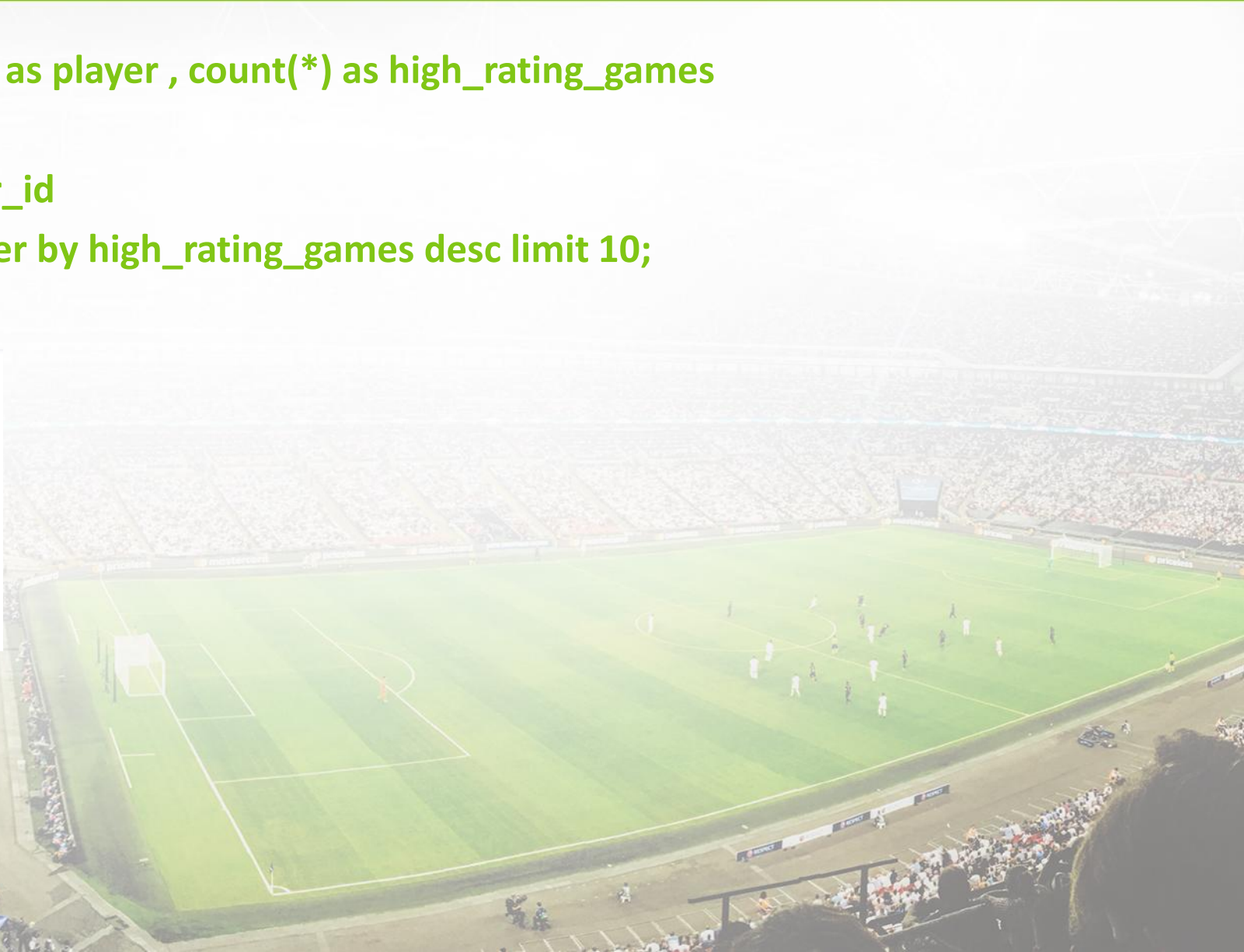
```
select concat(first_name, ' ', last_name) as player
from Players p
where not exists (select 1 from PlayerPerformance pp where pp.player_id = p.player_id and goals > 0);
```

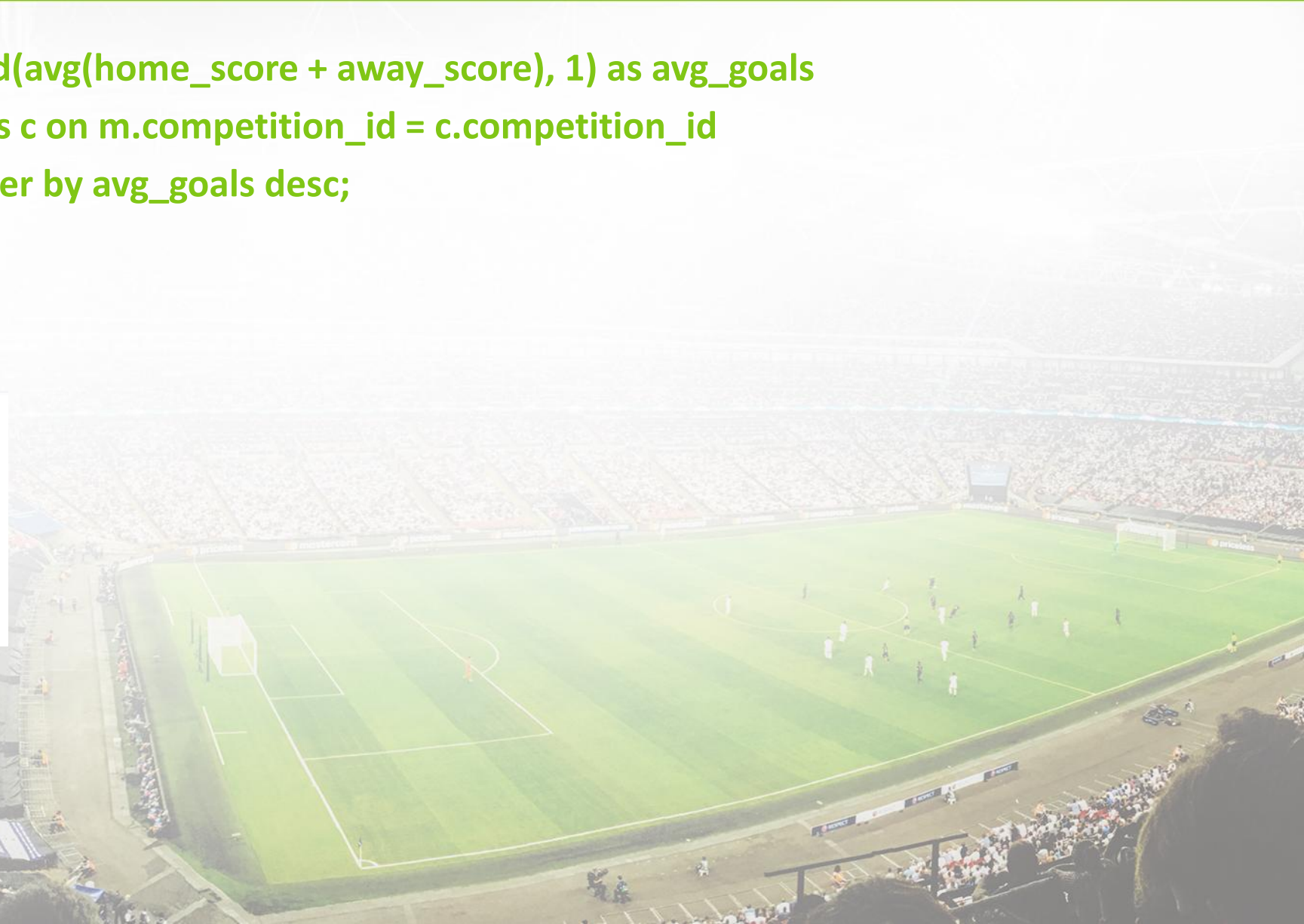| player |
| --- |
| Aaron Ramsdale |
| Ben White |
| William Saliba |
| Gabriel Magalhães |
| Oleksandr Zinchenko |
| Martin Ødegaard |
| Kai Havertz |
| André Onana |
| Diogo Dalot |
| Raphaël Varane |
| Lisandro Martínez |
| Luke Shaw |
| Casemiro Cardoso |
| Bruno Fernandes |
| Mason Mount |
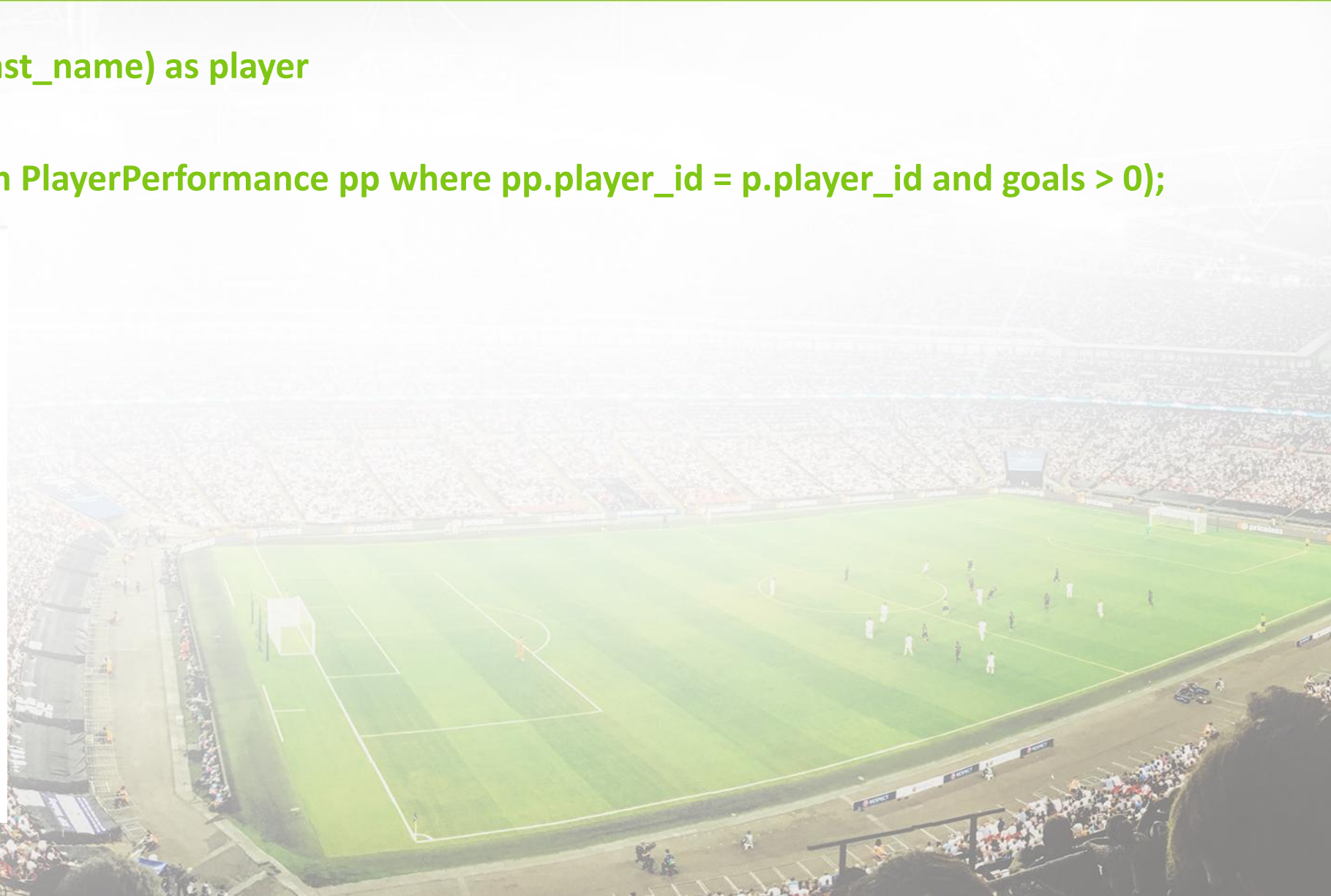
28. Find average goals per competition

select c.competition_name , round(avg(home_score + away_score), 1) as avg_goals

from Matches m join Competitions c on m.competition_id = c.competition_id

group by c.competition_name order by avg_goals desc;

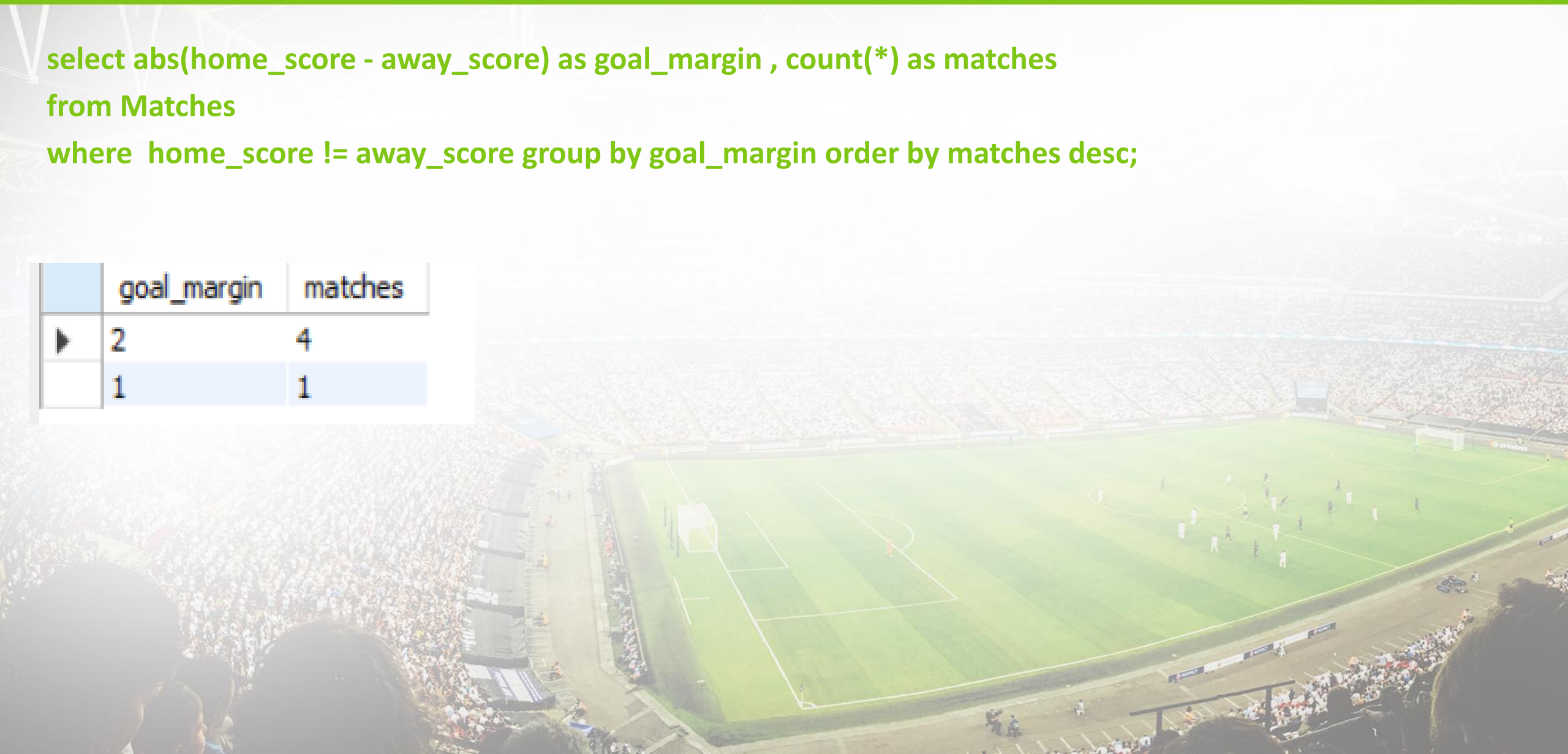| competition_name	avg_goals
Premier League	2.7
UEFA Champions League	2.7
Serie A	2.3

29. Find wins by Goal Margins

```sql
select abs(home_score - away_score) as goal_margin , count(*) as matches
from Matches
where  home_score != away_score group by goal_margin order by matches desc;
```

	goal_margin	matches
▶	2	4
	1	1

30. Find Players involved in most goals

select concat(p.first_name, ' ', p.last_name) as player , t.team_name , sum(pp.goals) as goals,
sum(pp.assists) as assists , sum(pp.goals) + sum(pp.assists) as total_involvement ,
round((sum(pp.goals) + sum(pp.assists)) / count(distinct pp.match_id), 1) as per_match
from PlayerPerformance pp join Players p on pp.player_id = p.player_id
join PlayerContracts pc on p.player_id = pc.player_id
join Teams t on pc.team_id = t.team_id
group by player having count(distinct pp.match_id) > 0 order by total_involvement desc limit 10;

player	team_name	goals	assists	total_involvement	per_match
Bukayo Saka	Arsenal FC	3	1	4	1.3
Jude Bellingham	Real Madrid	2	1	3	1.5
Achraf Hakimi	Paris Saint-Germain	0	2	2	1.0
Declan Rice	Arsenal FC	1	1	2	0.7
Federico Valverde	Real Madrid	0	2	2	1.0
Gabriel Jesus	Arsenal FC	2	0	2	0.7
Kylian Mbappé	Paris Saint-Germain	2	0	2	1.0
Martin Ødegaard	Arsenal FC	0	2	2	0.7
Mohamed Salah	Liverpool FC	1	1	2	1.0
Oleksandr Zinchenko	Arsenal FC	0	2	2	0.7

THANK YOU