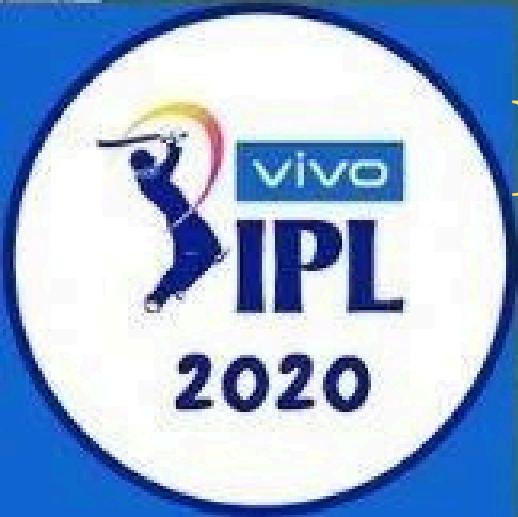




# Project on IPL Dataset

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Data Analysis



# AGENDA

Overview

Dateset

Problem Statement Query With Output

Conclusion



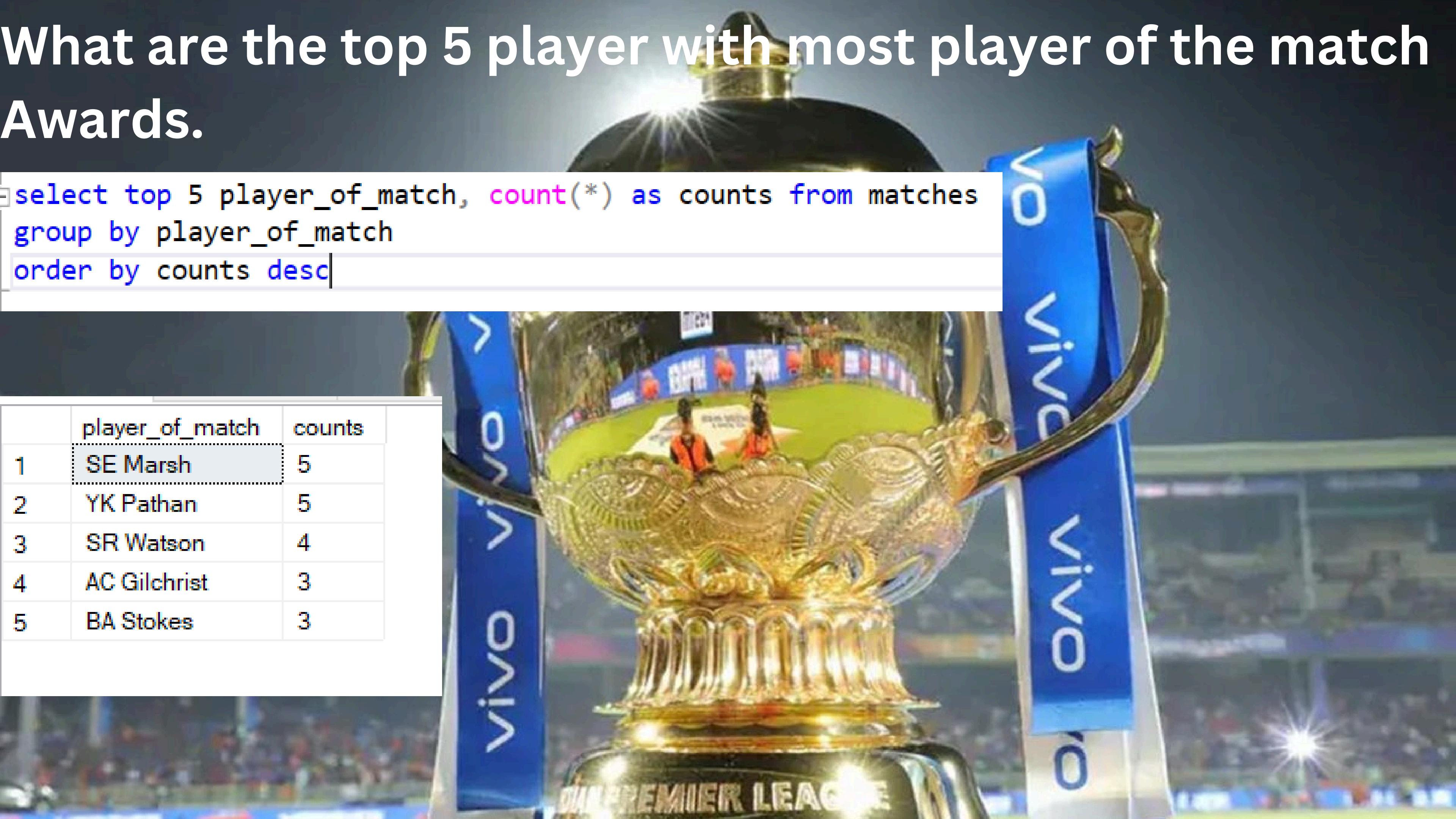
# IPL ANALYSIS PROJECT



# What are the top 5 player with most player of the match Awards.

```
select top 5 player_of_match, count(*) as counts from matches  
group by player_of_match  
order by counts desc
```

	player_of_match	counts
1	SE Marsh	5
2	YK Pathan	5
3	SR Watson	4
4	AC Gilchrist	3
5	BA Stokes	3



# how many matches were won by each team in each season.

```
select season, winner, count(*) as won_match from matches  
group by season, winner  
order by season desc, won_match |
```

	season	winner	won_match
1	2017-01-01	Royal Challengers Bangalore	3
2	2017-01-01	Gujarat Lions	4
3	2017-01-01	Delhi Daredevils	6
4	2017-01-01	Kings XI Punjab	7
5	2017-01-01	Sunrisers Hyderabad	8
6	2017-01-01	Kolkata Knight Riders	9
7	2017-01-01	Rising Pune Supergiant	10
8	2017-01-01	Mumbai Indians	12
9	2009-01-01	Rajasthan Royals	1
10	2009-01-01	Royal Challengers Bangalore	1
11	2009-01-01	Kolkata Knight Riders	1
12	2009-01-01	Mumbai Indians	1
13	2009-01-01	Kings XI Punjab	1
14	2009-01-01	Chennai Super Kings	1
15	2009-01-01	Delhi Daredevils	2
16	2009-01-01	Deccan Chargers	3



# what is the average strike rate of batsman in the database

```
select top 5 batsman , (sum(total_runs)/count(ball))*100 as strike_rate  
from delivery  
group by batsman  
order by strike_rate desc
```

	batsman	strike_rate
1	RJ Quiney	300
2	DL Chahar	200
3	TG Southee	200
4	SL Malinga	200
5	Umar Gul	200



# what is the number of matches won by each team batting first versus batting second

```
select batting_first, count(*) as win_by_run from (select case
when win_by_runs > 0 then team1 else team2 end batting_first
from matches
where winner != 'tie') as batting_first_team
group by batting_first
order by win_by_run desc
```

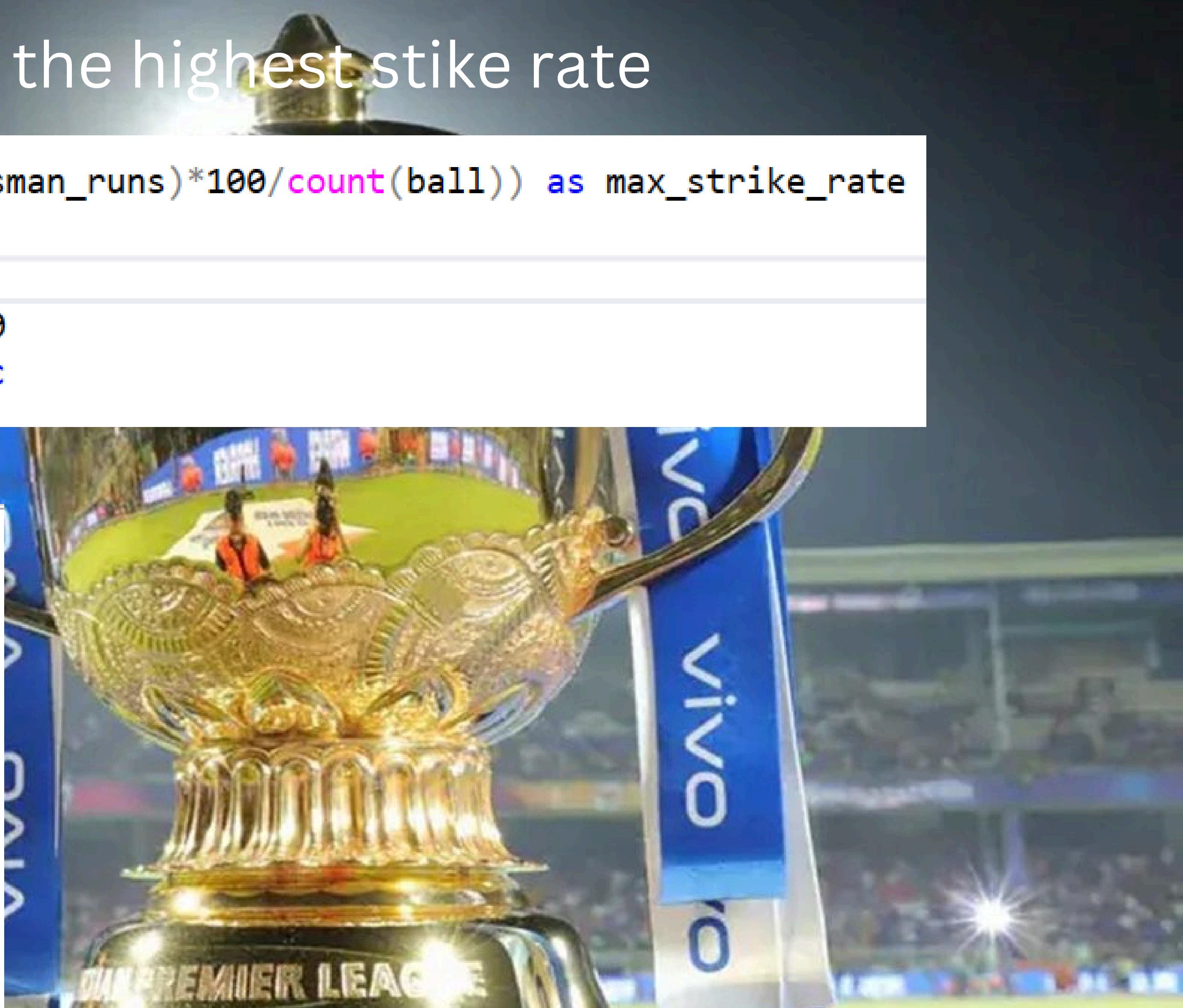
	batting_first	win_by_run
1	Mumbai Indians	20
2	Kings XI Punjab	18
3	Kolkata Knight Riders	17
4	Delhi Daredevils	16
5	Rajasthan Royals	13
6	Rising Pune Supergiant	10
7	Chennai Super Kings	9
8	Royal Challengers Bangalore	8
9	Sunrisers Hyderabad	8
10	Deccan Chargers	5
11	Gujarat Lions	4



# which batsman has the highest strike rate

```
select top 1 batsman,(sum(batsman_runs)*100/count(ball)) as max_strike_rate  
from delivery  
group by batsman  
having sum(batsman_runs)>= 200  
order by max_strike_rate desc
```

	batting_first	win_by_run
1	Mumbai Indians	20
2	Kings XI Punjab	18
3	Kolkata Knight Riders	17
4	Delhi Daredevils	16
5	Rajasthan Royals	13
6	Rising Pune Supergiant	10
7	Chennai Super Kings	9
8	Royal Challengers Bangalore	8
9	Sunrisers Hyderabad	8
10	Deccan Chargers	5
11	Gujarat Lions	4



how many time has each batsman been dismissed by the bowler malinga.

```
select batsman,count(*) as Dismised_by_malinga from delivery  
where bowler = 's1 malinga'  
group by batsman  
order by Dismised_by_malinga desc|
```

	batsman	Dismised_by_malinga
1	AM Rahane	20
2	HM Amla	18
3	S Dhawan	15
4	SPD Smith	14
5	BB McCullum	14
6	WP Saha	13
7	Ishan Kishan	10
8	IR Jaggi	9
9	P Negi	9
10	CA Lynn	9
11	SK Raina	9
12	G Gambhir	8
13	GJ Maxwell	8
14	AC Gilchrist	8
15	MS Dhoni	8
16	MC Henriques	8



how many extra (widl and no\_ball) were bowled by each team in each match

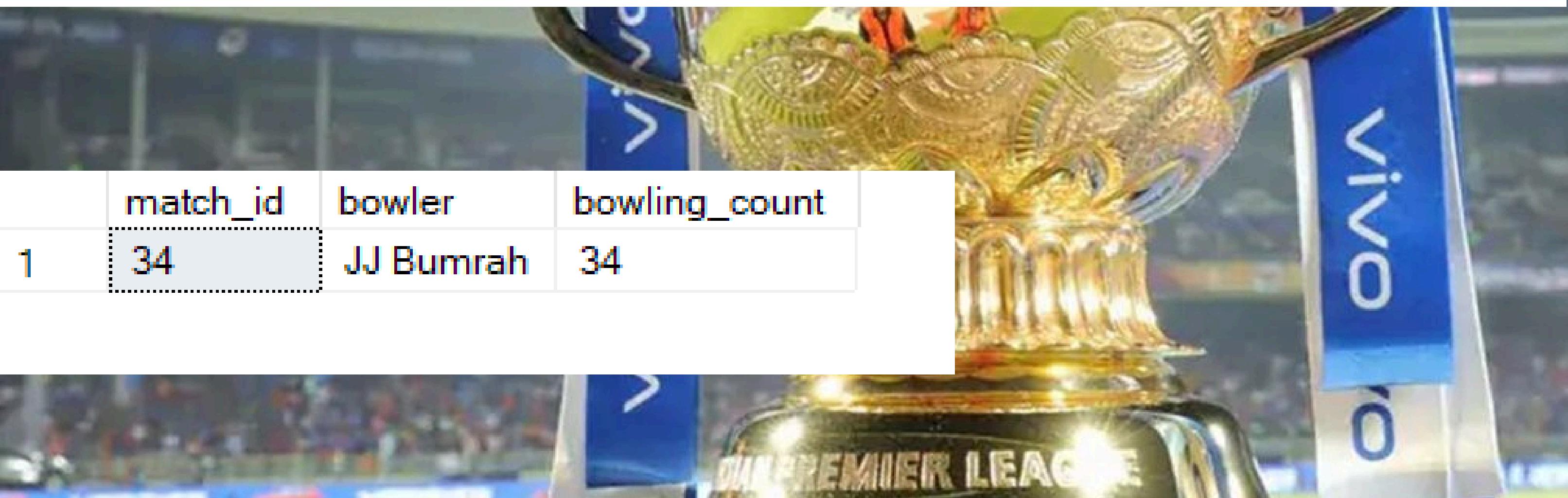
```
select m.match_id as match_no,bowling_team,sum(d.extra_runs) as extra_run  
from matches m  
join delivery d  
on m.match_id=d.match_id  
Where extra_runs>0  
group by m.match_id,bowling_team  
order by m.match_id desc
```

	match_no	bowling_team	extra_run
1	128	Deccan Chargers	13
2	128	Mumbai Indians	14
3	127	Kings XI Punjab	8
4	127	Royal Challengers Bangalore	13
5	126	Kolkata Knight Riders	10
6	126	Rajasthan Royals	19
7	125	Chennai Super Kings	1
8	125	Delhi Daredevils	15
9	124	Deccan Chargers	7
10	124	Royal Challengers Bangalore	9
11	123	Kings XI Punjab	4
12	123	Kolkata Knight Riders	12
13	122	Chennai Super Kings	5
14	122	Royal Challengers Bangalore	13
15	121	Deccan Chargers	5
16	121	Kolkata Knight Riders	2
17	120	Delhi Daredevils	8



which bowler is the best bowling figure in the single matches

```
select top 1 m.match_id,d.bowler,count(*) as bowling_count from matches m  
join delivery d  
on m.match_id=d.match_id  
---where d.player_dismissed is not null  
group by m.match_id,d.bowler  
order by bowling_count desc
```

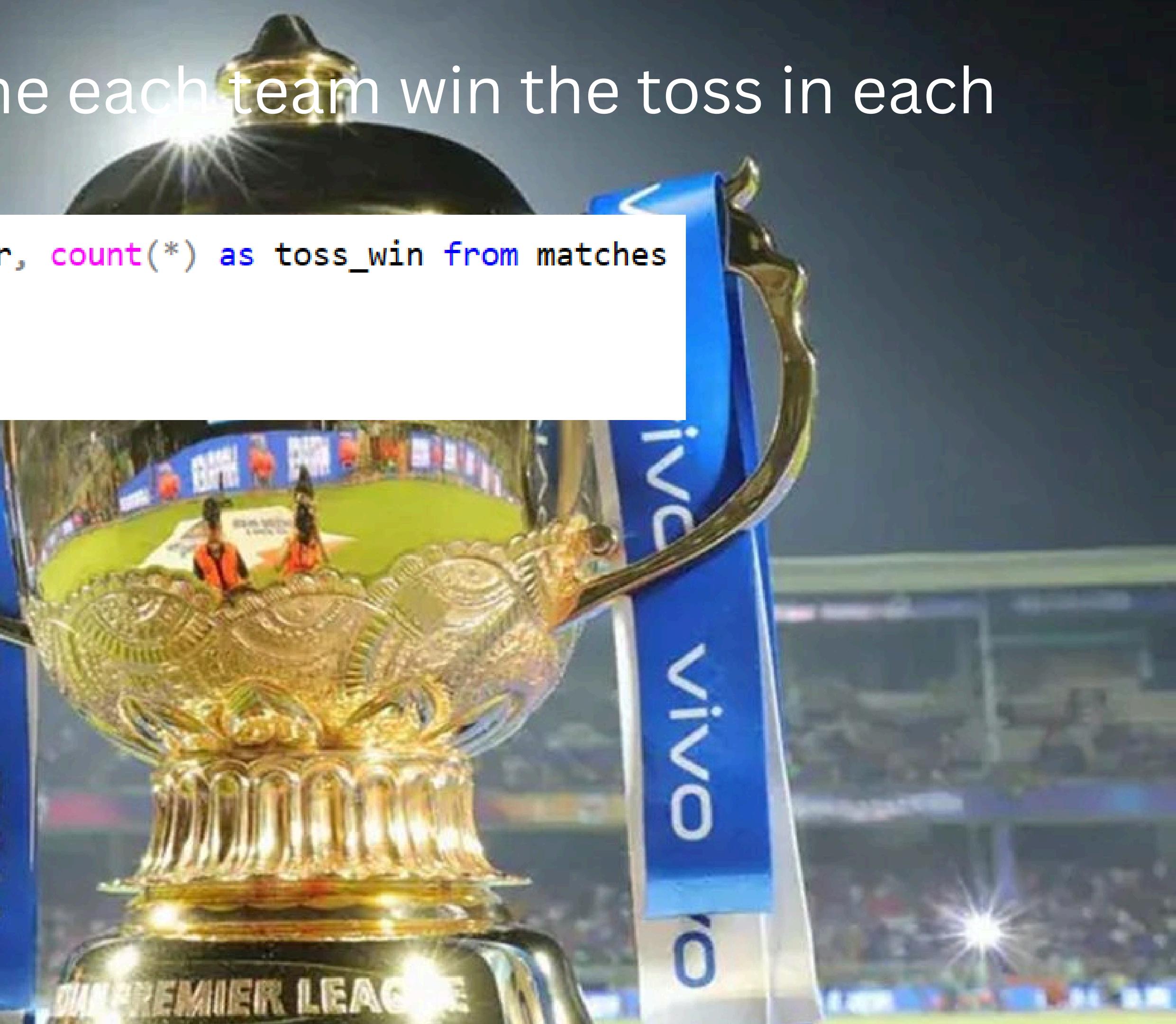


	match_id	bowler	bowling_count
1	34	JJ Bumrah	34

# how many time did the each team win the toss in each season

```
select distinct season,toss_winner, count(*) as toss_win from matches  
group by season,toss_winner  
order by toss_win desc
```

	season	toss_winner	toss_win
1	2017-01-01	Mumbai Indians	11
2	2008-01-01	Rajasthan Royals	11
3	2008-01-01	Deccan Chargers	9
4	2017-01-01	Kolkata Knight Riders	9
5	2017-01-01	Royal Challengers Bangalore	9
6	2008-01-01	Mumbai Indians	8
7	2017-01-01	Delhi Daredevils	8
8	2008-01-01	Kings XI Punjab	8
9	2017-01-01	Gujarat Lions	7
10	2008-01-01	Delhi Daredevils	6
11	2008-01-01	Kolkata Knight Riders	6
12	2017-01-01	Rising Pune Supergiant	6
13	2008-01-01	Royal Challengers Bangalore	5
14	2008-01-01	Chennai Super Kings	5
15	2017-01-01	Sunrisers Hyderabad	5
16	2017-01-01	Kings XI Punjab	4
17	2009-01-01	Kolkata Knight Riders	3



# how many match did each player win the player of the match award

```
select * from matches
select player_of_match, count(*) as no_of_time_player_of_match from matches
where player_of_match is not null
group by player_of_match
order by no_of_time_player_of_match desc
```

	player_of_match	no_of_time_player_of_match
1	SE Marsh	5
2	YK Pathan	5
3	SR Watson	4
4	NM Coulter-Nile	3
5	BA Stokes	3
6	MS Dhoni	3
7	AC Gilchrist	3
8	AJ Tye	2
9	KH Pandya	2
10	CH Gayle	2
11	JD Unadkat	2
12	M Ntini	2
13	Rashid Khan	2
14	Sandeep Sharma	2
15	SC Ganguly	2
16	RV Uthappa	2
17	SP Narine	2



# which team has the highest total score in single match

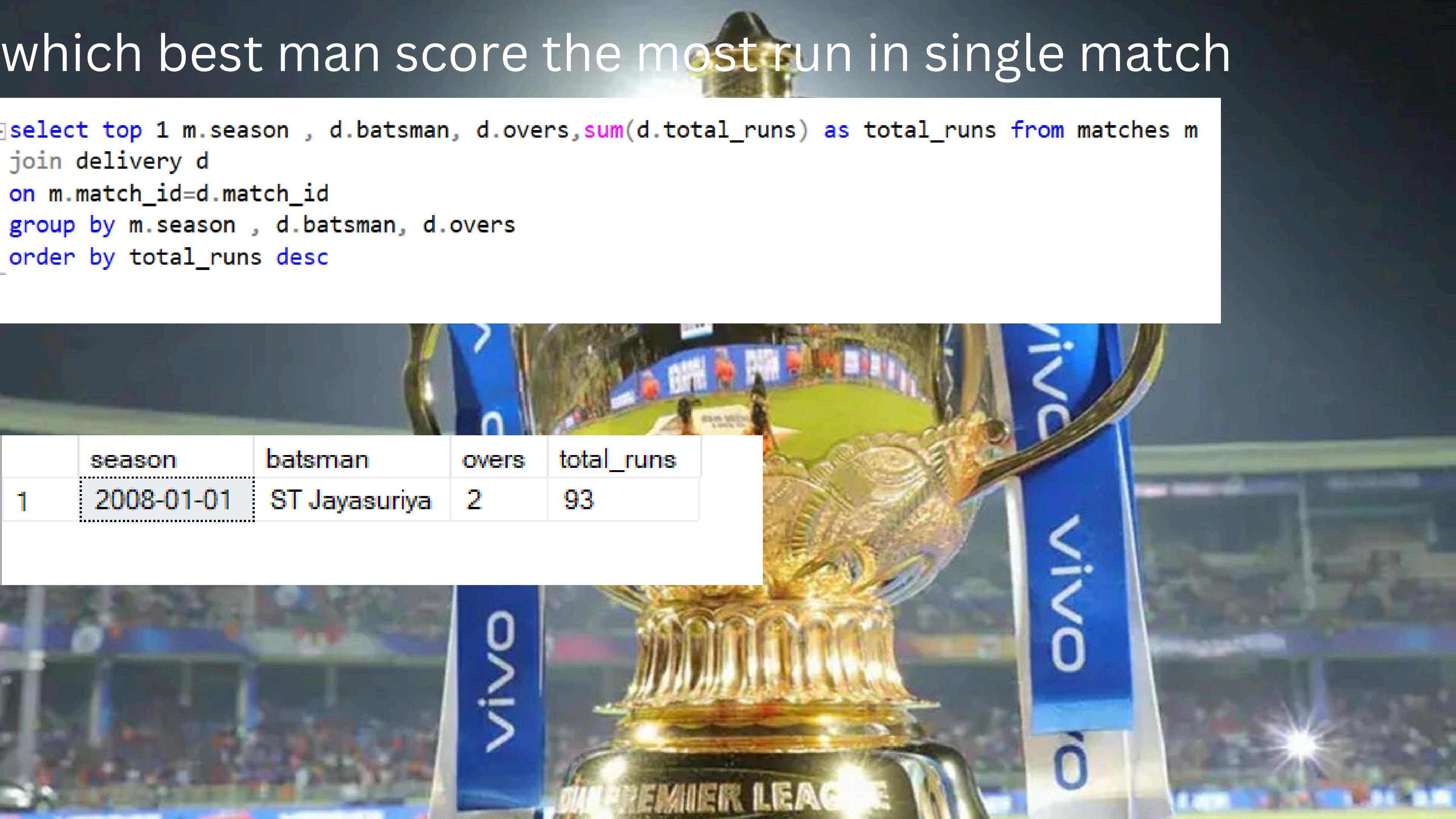
```
select top 1 m.season , d.batting_team, d.overs,sum(d.total_runs) as total_runs from matches m  
join delivery d  
on m.match_id=d.match_id  
group by m.season , d.batting_team, d.overs  
order by total_runs desc
```



# which best man score the most run in single match

```
select top 1 m.season , d.batsman, d.overs,sum(d.total_runs) as total_runs from matches m  
join delivery d  
on m.match_id=d.match_id  
group by m.season , d.batsman, d.overs  
order by total_runs desc
```

	season	batsman	overs	total_runs
1	2008-01-01	ST Jayasuriya	2	93



THANKYOU FOR WACHING

