



SQL PROJECT

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The IPL tournament dataset file contains two tables one with unique data for all matches and another with record of each delivery for each matches.

It contains such columns like season, date, players of match, team1, team2, over, ball, total runs, venue etc.



WHAT ARE THE TOP 5 PLAYERS WITH THE MOST PLAYER OF THE MATCH AWARDS?

```
1 • use ipl;
2 • select player_of_match, count(*) as awards_count
3     from matches group by player_of_match
4     order by awards_count desc
5     limit 5;
6
7
8
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Fetch rows: |

	player_of_match	awards_count
▶	YK Pathan	5
	SE Marsh	5
	SR Watson	4
	MS Dhoni	3
	BA Stokes	3

IPL x | Read

Output

Action Output

#	Time	Action	Message
1	11:57:57	select player_of_match, count(*) as awards_count from matches group by player_of ...	5 row(s) returned



HOW MANY MATCHES WERE WON BY EACH TEAM IN EACH SEASON?

```
6 • use ipl;
7 • select season, winner as team, count(*) as matches_won
8   from matches group by season, winner;
9
10
```

Result Grid | Filter Rows: | Export: | Wrap Cell Contents: |

	season	team	matches_won
▶	2017	Sunrisers Hyderabad	8
	2017	Rising Pune Supergiant	10
	2017	Kolkata Knight Riders	9
	2017	Kings XI Punjab	7
	2017	Royal Challengers Bangalore	3
	2017	Mumbai Indians	12
	2017	Delhi Daredevils	6
	2017	Gujarat Lions	3
	2008	Kolkata Knight Riders	6
	2008	Chennai Super Kings	9

IPL x

Output

Action Output

#	Time	Action	Message
2	12:01:04	select season, winner as team, count(*) as matches_won from matches group by se...	24 row(s) returned



WHAT IS THE AVERAGE STRIKE RATE OF BATSMEN IN THE IPL DATASET?

```
9 • use ipl;
10 • select avg(strike_rate) as average_strike_rate
11 • from(
12 •   select batsman,(sum(total_runs)/count(ball))*100 as strike_rate
13 •   from deliveries group by batsman)as batsman_stats;
14
--
```

Result Grid

average_strike_rate
150.45947105

Result 13 x

Output

Action Output

#	Time	Action	Message
3	12:15:45	select avg(strike_rate) as average_strike_rate from(select batsman,(sum(total_runs)/count(ball))*100 as strike_rate from deliveries group by batsman)as batsman_stats;	1 row(s) returned

WHAT IS THE NUMBER OF MATCHES WON BY EACH TEAM BATTING FIRST VERSUS BATTING SECOND?

```
15 • use ipl;
16 • select batting_first,count(*) as matches_won
17 • from(
18 •   select case when win_by_runs>0 then team1
19 •   else team2
20 •   end as batting_first
21 •   from matches
22 •   where winner!="Tie") as batting_first_teams
23   group by batting_first;
24
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

	batting_first	matches_won
▶	Sunrisers Hyderabad	8
	Rising Pune Supergiant	10
	Kolkata Knight Riders	17
	Kings XI Punjab	18
	Royal Challengers Bangalore	8

Result 19 x

Read Only

Output

Action Output

#	Time	Action	Message
✓ 4	12:28:43	select batting_first,count(*) as matches_won from(select case when win_by_runs>0...	11 row(s) returned



WHICH BATSMAN HAS THE HIGHEST STRIKE RATE (MINIMUM 200 RUNS SCORED)?



```
25 • use ipl;
26 • select batsman,(sum(batsman_runs)/count(*)*100
27 as strike_rate
28 from deliveries group by batsman
29 having sum(batsman_runs)>=200
30 order by strike_rate desc
31 limit 1;
32
33
34
```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:	Fetch rows:
batsman	strike_rate				
A Choudhary	300.0000				

IPL x Read Only

Output

Action Output

#	Time	Action	Message
7	12:35:16	select batsman,(sum(batsman_runs)*100/count(*) as strike_rate from deliveries gro...	1 row(s) returned
8	12:37:16	select batsman,(sum(batsman_runs)/count(*)*100 as strike_rate from deliveries gro...	1 row(s) returned

WHAT IS THE AVERAGE PERCENTAGE OF BOUNDARIES (FOURS AND SIXES COMBINED) HIT BY EACH BATSMAN?

```
32 • use ipl;
33 • select batsman, avg(case when batsman_runs=4 or batsman_runs=6
34   then 1 else 0 end)*100 as average_boundaries
35   from deliveries group by batsman;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Contents: |

	batsman	average_boundaries
▶	DA Warner	33.3333
	S Dhawan	16.1290
	MC Henriques	13.5135
	Yuvraj Singh	33.3333
	DJ Hooda	8.3333

Result 25 x

Read Only

Output

Action Output

#	Time	Action	Message
✓ 10	12:41:25	select batsman, avg(case when batsman_runs=4 or batsman_runs=6 then 1 else 0 e...	38 row(s) returned
✓ 11	12:43:17	select batsman, avg(case when batsman_runs=4 or batsman_runs=6 then 1 else 0 e...	38 row(s) returned



HOW MANY TIMES DID EACH TEAM WIN THE TOSS IN EACH SEASON?

```
87 • use ipl;
88 • select season,toss_winner,count(*) as toss_wins
89   from matches group by season,toss_winner;
90
91
```

Result Grid



Filter Rows:

Export:



Wrap Cell Content:



	season	toss_winner	toss_wins
▶	2017	Royal Challengers Bangalore	9
	2017	Rising Pune Supergiant	6
	2017	Kolkata Knight Riders	9
	2017	Kings XI Punjab	4
	2017	Sunrisers Hyderabad	5
	2017	Mumbai Indians	11

Result 9 x



Read Only

HOW MANY MATCHES DID EACH PLAYER WIN THE "PLAYER OF THE MATCH" AWARD?

```
97 • use ipl;
98 • select player_of_match,count(*) as total_wins
99   from matches
100  where player_of_match is not null
101   group by player_of_match
102   order by total_wins desc;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

	player_of_match	total_wins
▶	YK Pathan	5
	SE Marsh	5
	SR Watson	4
	MS Dhoni	3
	BA Stokes	3
	NM Coulter-Nile	3

Result 10 x

Read Only



WHAT IS THE AVERAGE NUMBER OF RUNS SCORED IN EACH OVER OF THE INNINGS IN EACH MATCH?

```
104 • use ipl;
105 • select m.id,d.inning,d.over_no,
106        avg(d.total_runs) as average_runs_per_over
107        from matches as m
108        join deliveries as d on d.match_id=m.id
109        group by m.id,d.inning,d.over_no;
110
```

Result Grid | Filter Rows: | Exports: | Wrap Cell Contents: |

	id	inning	over_no	average_runs_per_over
▶	1	1	1	1.0000
	1	1	2	2.2857
	1	1	3	1.0000
	1	1	4	0.6667
	1	1	5	1.5000
	1	1	6	2.8333
	1	1	7	0.8333

Result 11 x

Read Only