- ANALYSIS OF IPL DATA USING SQL



Objective

- The objective for IPL Analysis is to uncover trends and patterns in IPL data over time. Identifying factors influencing match outcomes (e.g., toss decisions, venue impact, winning team).
- Understand team and player performance metrics (e.g., batting strikerate, score, etc.)

Question 1.

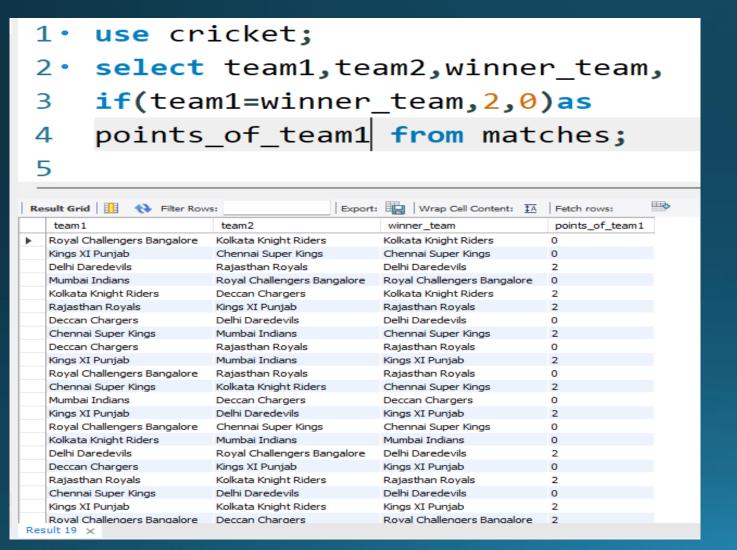
Write a sql query how many team played in ipl in each season?

```
2 • use cricket;
    select season , count(distinct team1) as
    total_team_played_INIPL_IN_each_season
    from matches group by season;
                      Export: Wrap Cell Content: IA
      total_team_played_INIPL_IN_each_season
 2020/21
```



Question 2.

Write a sql query that how many points a team got if they have won the match?

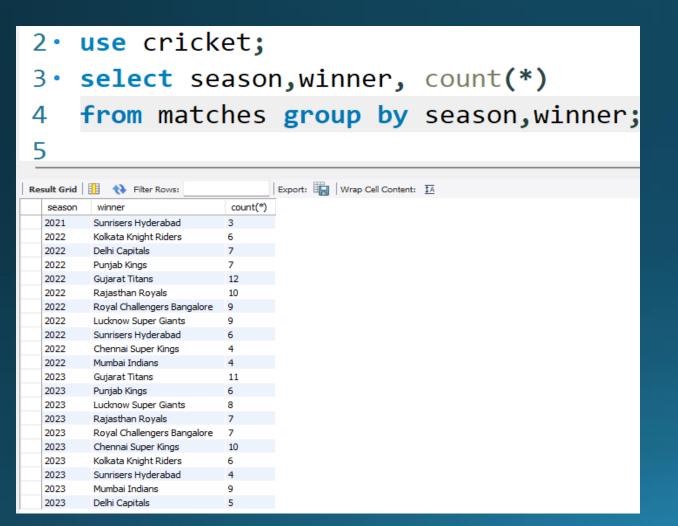


TEAM STANDINGS

| MATCHES | WINS | LOSS | NET RR | POINTS |
|---------|----------------------------|---|---|--|
| 1 | 1 | 0 | +0.914 | 2 |
| 1 | 1 | 0 | +0.639 | 2 |
| 0 | 0 | 0 | 0.000 | 0 |
| 0 | 0 | 0 | 0.000 | 0 |
| 0 | 0 | 0 | 0.000 | 0 |
| 0 | 0 | 0 | 0.000 | 0 |
| 0 | 0 | 0 | 0.000 | 0 |
| 0 | 0 | 0 | 0.000 | 0 |
| 1 | 0 | 1 | -0.639 | 0 |
| 1 | 0 | 1 | -0.914 | 0 |
| | 1 1 0 0 0 0 | 1 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 | 1 1 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 1 | 1 1 0 +0.914 1 1 0 +0.639 0 0 0 0.000 0 0 0 0.000 0 0 0 0.000 0 0 0 0.000 0 0 0 0.000 1 0 1 -0.639 |

Question 3.

Write a sql query that how many matches were won by each team in each season?





Question 4.

Write a sql query that which team has won hightest league stage matches?

```
use cricket;
       select winner ,count(*) as
       winnig_game_by_each_team
         from matches group by winner order by 2 desc;
Export: Wrap Cell Content: IA
                      winnig_game_by_each_team
 Mumbai Indians
  Chennai Super Kings
  Kolkata Knight Riders
  Royal Challengers Bangalore 114
  Rajasthan Royals
  Kings XI Punjab
  Sunrisers Hyderabad
  Delhi Daredevils
  Delhi Capitals
  Deccan Chargers
  Gujarat Titans
  Punjab Kings
  Lucknow Super Giants
  Gujarat Lions
  Pune Warriors
  Rising Pune Supergiant
  Kochi Tuskers Kerala
  Rising Pune Supergiants
```



Question 5.

Write a sql query that which player made highest score in IPL history?

```
use cricket;
   select batsman ,max(total_runs)
     from most_runs_average_strikerate
     group by batsman limit 10;
                          Export: Wrap Cell Content: 🔼 Fetch rows:
batsman
       max(total_runs)
V Kohli
       5426
RG Sharma
       4717
DA Warner
S Dhawan
       4601
CH Gayle
       4525
MS Dhoni
```



Question 6.

Write a sql query that the player who got orange cap season by season?

```
1 • use cricket;
     select distinct(`Orange Cap`),
     max(`Orange cap runs`)
     as Top_scorer from `ipl - winners`
       group by `Orange Cap` order by 2 desc;
                            Export: Wrap Cell Content: IA
Result Grid
          Filter Rows:
  Orange Cap
           Top_scorer
 Virat Kohli
 Shubman Gill
           735
 Kane Williamson
 Chris Gayle
           733
 David Warner
 KL Rahul
 Robin Uthappa
 Matthew Hayden 572
```



Question 7.

Write a sql query that the player who got purple cap in more than one season?

```
1 • use cricket;
2 • select distinct(`Purple Cap`)
      ,count(`Purple cap wickets`)
     as Most_pc_winner
     from `ipl - winners` group by
      `Purple Cap` order by 2 desc limit 5;
Result Grid Filter Rows:
                          Export: Wrap Cell Content: 🔼 Fetch rows:
  Purple Cap
             Most_pc_winner
 Dwayne Bravo
 Bhuvaneshwar Kumar 2
```



Question 8.

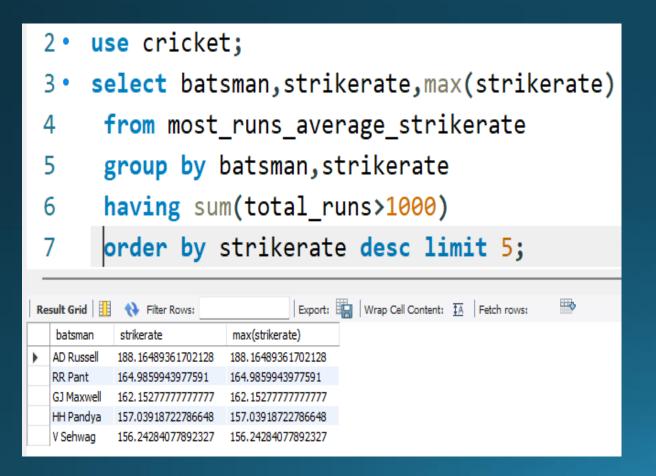
Write a sql query that the top 5 player with The most P.O.M award?

```
2 · use cricket;
    select player_of_match,
   count(player_of_match)
    as most_POM_award
    from matches group by player_of_match
                      Export: Wrap Cell Content: TA Fetch rows:
        most_POM_award
```



Question 9.

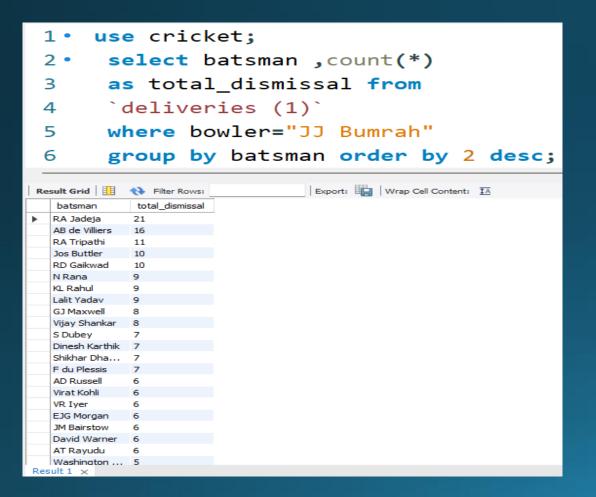
Write a sql query that which top 5 batsman has the highest strike rate (minimum 1000 runs scored)?





Question 10.

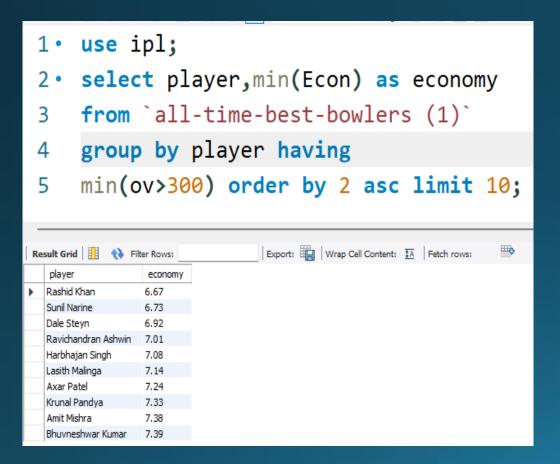
Write a sql query to find that how many times has each batsman been dismissed by the bowler 'J Bumrah'?





Question 11.

Write a sql query to find which bowler have best economy (minimum 300 over bowl)?





Question 12.

Write a sql query to find which diffrent bowler has taken 5w haul more than one time?

```
1 • use ipl;
     select player,max(5w) as 5w_haul from
      `all-time-best-bowlers (1)`
      group by player having
      max(5w>1) order by 2 desc;
                          Export: Wrap Cell Content: IA
Result Grid
            5w_haul
Bhuvneshwar Kumar
  Jaydev Unadkat
  James Faulkner
```



Question 13.

Write a sql query that how many times has different team been runnerup in IPL?

```
1 · use cricket;
2 * select `runners up`, count( `runners up`)
        as most_time_runnerup from
      `ipl - winners` group by `runners up`;
Result Grid Filter Rows:
                               Export: Wrap Cell Content: IA
                   most_time_runnerup
  runners up
  Chennai Super Kings
  Royal Challengers Bangalore 3
  Mumbai Indians
  Kings XI Punjab
  Rising Pune Supergiants
  Sunrisers Hyderabad
  Delhi Capitals
  Kolkata Knight Riders
  Rajasthan Royals
  Gujarat Titans
```



Question 14.

Write a sql query that which team has won hightest ipl – title?

```
1 · use cricket;
2 * select distinct(`Winning team`),
     count(`Winning team`) as Most_ipl_trophy
     from `ipl - winners` group by
      `Winning team` order by 2 desc;
                         Export: Wrap Cell Content: 1A
Result Grid Filter Rows:
            Most_ipl_trophy
Chennai Super Kings
  Mumbai Indians
 Kolkata Knight Riders 2
  Sunrisers Hyderabad
  Guiarat Titans
```



Thank you.