

# Objective Questions

1. List the different dtypes of columns in table “ball\_by\_ball” (using information schema)

```
Ans- select column_name, data_type, is_nullable  
from information_schema.columns  
where table_name = 'ball_by_ball' and column_name  
in('Match_Id', 'Over_Id', 'Ball_Id', 'Innings_No', 'Team_Batting',  
'Team_Bowling', 'Striker_Batting_Position',  
'Striker', 'Non_Striker', 'Bowler', 'Runs_Scored');
```

## OUTPUT-

| COLUMN_NAME              | DATA_TYPE | IS_NULLABLE |
|--------------------------|-----------|-------------|
| Ball_Id                  | int       | NO          |
| Bowler                   | int       | NO          |
| Innings_No               | int       | NO          |
| Match_Id                 | int       | NO          |
| Non_Striker              | int       | NO          |
| Over_Id                  | int       | NO          |
| Runs_Scored              | int       | YES         |
| Striker                  | int       | NO          |
| Striker_Batting_Position | int       | NO          |
| Team_Batting             | int       | NO          |
| Team_Bowling             | int       | NO          |

## Explanation-

The output of this query is a list of the specified columns from the **ball\_by\_ball** table, along with their data types and whether they can contain NULL values. This query retrieves details about certain columns in a specific table, providing insights into the

type of data each column holds and indicating whether any of those columns can be left empty (NULL) when inserting data. This information is essential for data validation and for understanding the structure of the table.

2. What is the total number of runs scored in 1st season by RCB (bonus: also include the extra runs using the extra runs table)

Ans- `select Season_Id, Season_Year  
from Season  
order by Season_Id;`

```
select sum(b.Runs_Scored) + coalesce(sum(e.Extra_Runs), 0) as Total_Runs  
from matches m  
join ball_by_ball b on m.Match_Id = b.Match_Id  
left join extra_Runs e on m.Match_Id = e.Match_Id and b.Innings_No = e.Innings_No  
join team t on (m.Team_1 = t.Team_Id)  
where t.Team_Name = 'Royal Challengers Bangalore' and m.Season_Id = 6;
```

## OUTPUT-

| Total_Runs |
|------------|
| 28103      |

### Explanation-

--The calculation determines the total number of runs scored by the Royal Challengers Bangalore (RCB) in the first season, including extra runs. It begins by joining the **matches** table to access match details and the **ball\_by\_ball** table to sum the runs scored in each ball. A left join is performed with the **extra\_Runs** table to incorporate any additional runs awarded during the matches, ensuring that all matches are included even if there are no extra runs recorded.

The results are filtered to focus specifically on RCB by specifying the team name and the **Season\_Id** for the first season. The final calculation sums the runs from the **ball\_by\_ball** table and adds the extra runs, using the **COALESCE** function to handle cases where extra runs might not exist, ensuring an accurate total.

This approach provides a comprehensive view of RCB's total runs for the first season, allowing for a detailed analysis of their scoring performance.

Note:- in this query season\_Id- 1,2,3,4,5 gives 0 total runs and if we filter only these session\_id 6,7,8,9 we can get the values of total runs, also adding all of these values in query we can get total count of runs i.e in the session id- 6,7,8,9.

3. How many players were more than the age of 25 during season 2014?

Ans- select count(distinct p.Player\_Id) as Players\_Over\_25  
from Player p join Season s  
ON s.Season\_Year = 2014  
where timestampdiff(YEAR, p.DOB, '2014-01-01') > 25;

## OUTPUT-

| Players_Over_25 |
|-----------------|
| 321             |

## Explanation-

--This query identifies the number of players who were older than 25 years during the 2014 season. It starts by joining the **Player** table with the **Season** table based on the year 2014.

The **WHERE** clause filters the results to include only those players whose age, determined using the **TIMESTAMPDIFF** function, is greater than 25 years as of January 1, 2014. The **DOB** (date of birth) field is utilized to compute the age.

The final output counts the distinct **Player\_Id** values, ensuring that each player is counted only once, regardless of their participation in multiple matches during the season.

This method provides a clear count of players over the age of 25 for the specified season, offering insights into the age demographics of the player pool.

4. How many matches did RCB win in 2013?

```
Ans- select count(*) as Matches_Won_By_RCB  
from matches m  
join Season s  
on m.Season_Id = s.Season_Id  
where s.Season_Year = 2013 and m.Match_Winner = (select  
Team_Id from Team where Team_Name = 'RCB');
```

#### OUTPUT-

| Matches_Won_By_RCB |
|--------------------|
| 0                  |

#### Explanation-

This query retrieves the total number of matches won by the Royal Challengers Bangalore (RCB) in 2013. It begins by joining the matches table with the Season table based on the Season\_Id.

The WHERE clause filters the results to include only those matches from the year 2013, where the Match\_Winner is

identified as RCB. This is achieved by using a subquery that selects the Team\_Id corresponding to the team name 'RCB'.

The final output counts all matches that meet these criteria, providing a clear total of RCB's victories during the specified season.

5. List the top 10 players according to their strike rate in the last 4 seasons

Ans- -- Step 1: Find the last 4 seasons

with LastFourSeasons as ( select Season\_Year from Season  
order by Season\_Year desc limit 4),

-- Step 2: Get all Match IDs from the last 4 seasons

MatchesInLastSeasons as (select Match\_Id from matches  
where Season\_Id in (select Season\_Id from Season where  
Season\_Year in (select Season\_Year from LastFourSeasons))),

-- Step 3: Calculate Total Runs and Balls Faced for each player

PlayerPerformance as (select b.Striker as Player\_Id,  
sum(b.Runs\_Scored) as Total\_Runs, count(\*) AS Balls\_Faced,  
(sum(b.Runs\_Scored) \* 1.0 / count(\*) \* 100) AS Strike\_Rate

from Ball\_by\_Ball b

join MatchesInLastSeasons m on b.Match\_Id = m.Match\_Id  
group by b.Striker),

```
-- Step 4: Rank players by Strike Rate
RankedPlayers as (select Player_Id, Total_Runs, Balls_Faced,
Strike_Rate,
rank() over (order by Strike_Rate desc) as strike_Rank
from PlayerPerformance)
```

-- Step 5: Select Top 10 Players

```
select p.Player_Id, p.Strike_Rate, p.Total_Runs, p.Balls_Faced
from RankedPlayers p
where p.strike_Rank <= 10
order by p.Strike_Rate desc;
```

## OUTPUT-

| Player_Id | Strike_Rate | Total_Runs | Balls_Faced |
|-----------|-------------|------------|-------------|
| 259       | 400.00000   | 4          | 1           |
| 246       | 233.33333   | 14         | 6           |
| 408       | 207.50000   | 83         | 40          |
| 116       | 200.00000   | 4          | 2           |
| 228       | 192.59259   | 52         | 27          |
| 413       | 186.61417   | 237        | 127         |
| 66        | 175.00000   | 21         | 12          |
| 190       | 173.68421   | 66         | 38          |
| 402       | 171.84466   | 177        | 103         |
| 385       | 169.76744   | 73         | 43          |

## Explanation-

1. **Identify the Last Four Seasons:** A Common Table Expression (CTE) named **LastFourSeasons** retrieves the most recent four

seasons by selecting **Season\_Year** from the **Season** table and ordering them in descending order.

2. **Get Match IDs:** Another CTE, **MatchesInLastSeasons**, collects all match IDs from the **matches** table that correspond to the identified last four seasons.
3. **Calculate Player Performance:** The **PlayerPerformance** CTE calculates the total runs scored and the number of balls faced by each player (identified as **Striker**). It computes the strike rate as the total runs divided by the number of balls faced, multiplied by 100.
4. **Rank Players by Strike Rate:** The **RankedPlayers** CTE ranks players based on their strike rate in descending order using the **RANK()** window function.
5. **Select Top 10 Players:** Finally, the main query selects the player IDs, strike rates, total runs, and balls faced for the top 10 players, filtering by their rank and ordering the results by strike rate in descending order.

This approach provides a clear list of the top-performing players in terms of strike rate over the specified period, offering insights into their batting efficiency.

6. What are the average runs scored by each batsman considering all the seasons?

Ans- `select p.Player_Name, sum(b.Runs_Scored) AS Total_Runs,  
count(distinct b.Match_Id) AS Total_Innings,  
avg(b.Runs_Scored) as Average_Runs  
from Ball_by_Ball b  
join Player p`

```

on b.Striker = p.Player_Id
group by p.Player_Id
order by Average_Runs desc;

```

## OUTPUT-

| Player_Name   | Total_Runs | Total_Innings | Average_Runs |
|---------------|------------|---------------|--------------|
| RV Gomez      | 4          | 1             | 4.0000       |
| AN Ahmed      | 14         | 4             | 2.3333       |
| CR Brathwaite | 83         | 6             | 2.1842       |
| PJ Sangwan    | 4          | 1             | 2.0000       |
| Bipul Sharma  | 52         | 5             | 1.9259       |
| KH Pandya     | 237        | 8             | 1.9113       |
| M Morkel      | 66         | 9             | 1.8333       |
| BCJ Cutting   | 73         | 5             | 1.8250       |
| B Lee         | 21         | 2             | 1.7500       |
| LJ Wright     | 106        | 5             | 1.7377       |
| SN Khan       | 177        | 11            | 1.7353       |
| MS Gony       | 45         | 4             | 1.7308       |
| AD Russell    | 527        | 23            | 1.7222       |
| ER Dwivedi    | 24         | 2             | 1.7143       |
| HV Patel      | 32         | 9             | 1.6842       |

| Player_Name    | Total_Runs | Total_Innings | Average_Runs |
|----------------|------------|---------------|--------------|
| AB de Villiers | 1968       | 57            | 1.6777       |
| CH Morris      | 285        | 20            | 1.6667       |
| Shivam Sharma  | 5          | 2             | 1.6667       |
| GJ Maxwell     | 913        | 40            | 1.6362       |
| KK Cooper      | 78         | 8             | 1.6250       |
| KJ Abbott      | 13         | 3             | 1.6250       |
| MJ McClenag... | 47         | 7             | 1.6207       |
| S Narwal       | 23         | 1             | 1.5333       |
| J Suchith      | 48         | 5             | 1.5000       |
| A Ashish Reddy | 245        | 18            | 1.4939       |
| KA Pollard     | 1320       | 59            | 1.4865       |
| TG Southee     | 47         | 7             | 1.4688       |
| P Sahu         | 19         | 2             | 1.4615       |
| DA Miller      | 1382       | 54            | 1.4517       |
| DA Warner      | 2348       | 61            | 1.4458       |

| Player_Name   | Total_Runs | Total_Innings | Average_Runs |
|---------------|------------|---------------|--------------|
| NLTC Perera   | 397        | 26            | 1.4436       |
| YK Pathan     | 1273       | 53            | 1.4352       |
| JP Faulkner   | 459        | 37            | 1.4344       |
| CH Gayle      | 1634       | 49            | 1.4321       |
| Sachin Baby   | 122        | 7             | 1.4186       |
| D Wiese       | 127        | 8             | 1.4111       |
| MS Dhoni      | 1488       | 60            | 1.4104       |
| RN ten Doesch | 198        | 15            | 1.4043       |
| N Rana        | 104        | 3             | 1.3867       |
| JC Buttler    | 255        | 14            | 1.3859       |
| V Kohli       | 2472       | 62            | 1.3857       |
| SK Raina      | 1844       | 65            | 1.3761       |
| SW Billings   | 88         | 4             | 1.3750       |
| BJ Rohrer     | 193        | 8             | 1.3688       |
| DJ Hooda      | 295        | 24            | 1.3657       |

| Player_Name     | Total_Runs | Total_Innings | Average_Runs |
|-----------------|------------|---------------|--------------|
| SPD Smith       | 879        | 33            | 1.3649       |
| CJ Anderson     | 379        | 15            | 1.3633       |
| BB McCullum     | 1201       | 45            | 1.3617       |
| R Vinay Kumar   | 87         | 11            | 1.3594       |
| MP Stoinis      | 146        | 5             | 1.3519       |
| SR Watson       | 1315       | 53            | 1.3501       |
| TM Head         | 54         | 3             | 1.3500       |
| BJ Hodge        | 394        | 18            | 1.3493       |
| SA Yadav        | 503        | 34            | 1.3449       |
| Harbhajan Si... | 353        | 36            | 1.3422       |
| RG Sharma       | 1899       | 64            | 1.3420       |
| KM Jadhav       | 532        | 35            | 1.3401       |
| V Sehwag        | 849        | 38            | 1.3370       |
| WP Saha         | 951        | 41            | 1.3319       |
| Shakib Al Hasan | 379        | 21            | 1.3206       |

| Player_Name  | Total_Runs | Total_Innings | Average_Runs |
|--------------|------------|---------------|--------------|
| Q de Kock    | 726        | 26            | 1.3200       |
| HM Amla      | 157        | 6             | 1.3193       |
| R Sathish    | 133        | 11            | 1.3168       |
| P Negi       | 173        | 15            | 1.3106       |
| JP Duminy    | 1015       | 35            | 1.3080       |
| RV Uthappa   | 1852       | 60            | 1.3042       |
| RR Pant      | 198        | 10            | 1.3026       |
| DR Smith     | 1707       | 57            | 1.3001       |
| STR Binny    | 553        | 40            | 1.2981       |
| M Vohra      | 728        | 32            | 1.2954       |
| AD Mathews   | 316        | 20            | 1.2951       |
| R Bhatia     | 200        | 23            | 1.2903       |
| Yuvraj Singh | 1098       | 50            | 1.2797       |
| KK Nair      | 877        | 37            | 1.2784       |
| AC Gilchrist | 294        | 13            | 1.2783       |

| Player_Name   | Total_Runs | Total_Innings | Average_Runs |
|---------------|------------|---------------|--------------|
| LMP Simmons   | 942        | 22            | 1.2730       |
| UT Khawaja    | 127        | 6             | 1.2700       |
| JA Morkel     | 193        | 12            | 1.2697       |
| DS Kulkarni   | 66         | 9             | 1.2692       |
| F du Plessis  | 889        | 33            | 1.2682       |
| AP Tare       | 271        | 20            | 1.2664       |
| MC Henriques  | 643        | 35            | 1.2657       |
| AJ Finch      | 1181       | 42            | 1.2618       |
| UT Yadav      | 78         | 13            | 1.2581       |
| KL Rahul      | 725        | 30            | 1.2565       |
| GJ Bailey     | 600        | 33            | 1.2552       |
| AT Rayudu     | 1241       | 55            | 1.2548       |
| Azhar Mahmood | 202        | 11            | 1.2547       |
| Mandeep Singh | 441        | 25            | 1.2528       |
| AG Murtaza    | 5          | 1             | 1.2500       |

| Player_Name  | Total_Runs | Total_Innings | Average_Runs |
|--------------|------------|---------------|--------------|
| SE Marsh     | 622        | 20            | 1.2490       |
| KP Pietersen | 367        | 15            | 1.2483       |
| HH Pandya    | 156        | 17            | 1.2480       |
| DW Steyn     | 96         | 15            | 1.2468       |
| MR Marsh     | 147        | 9             | 1.2458       |
| KD Karthik   | 1311       | 59            | 1.2415       |
| DH Yagnik    | 129        | 10            | 1.2404       |
| MEK Hussey   | 1019       | 30            | 1.2382       |
| DJ Bravo     | 423        | 38            | 1.2368       |
| R Tewatia    | 16         | 1             | 1.2308       |
| EJG Morgan   | 617        | 28            | 1.2291       |
| JO Holder    | 38         | 5             | 1.2258       |
| RA Jadeja    | 670        | 50            | 1.2249       |
| DJG Sammy    | 295        | 20            | 1.2241       |
| AR Patel     | 379        | 29            | 1.2186       |

| Player_Name  | Total_Runs | Total_Innings | Average_Runs |
|--------------|------------|---------------|--------------|
| SS Iyer      | 469        | 20            | 1.2182       |
| SR Tendulkar | 283        | 14            | 1.2146       |
| PA Patel     | 1015       | 49            | 1.2083       |
| RS Bopara    | 145        | 8             | 1.2083       |
| MK Pandey    | 1018       | 46            | 1.2005       |
| M Manhas     | 48         | 7             | 1.2000       |
| S Dhawan     | 1542       | 55            | 1.1981       |
| NV Ojha      | 514        | 36            | 1.1953       |
| AM Rahane    | 1847       | 57            | 1.1947       |
| SV Samson    | 1040       | 48            | 1.1913       |
| SS Tiwary    | 388        | 19            | 1.1902       |
| MA Agarwal   | 422        | 26            | 1.1821       |
| KC Cariappa  | 13         | 2             | 1.1818       |
| G Gambhir    | 1569       | 59            | 1.1815       |
| MM Sharma    | 61         | 13            | 1.1731       |

| Player_Name     | Total_Runs | Total_Innings | Average_Runs |
|-----------------|------------|---------------|--------------|
| CA Lynn         | 83         | 4             | 1.1690       |
| GB Hogg         | 7          | 2             | 1.1667       |
| SN Thakur       | 7          | 1             | 1.1667       |
| PP Chawla       | 176        | 25            | 1.1656       |
| DJ Hussey       | 351        | 15            | 1.1546       |
| SA Abbott       | 15         | 2             | 1.1538       |
| Gurkeerat Singh | 256        | 20            | 1.1532       |
| KV Sharma       | 267        | 27            | 1.1509       |
| YV Takawale     | 104        | 5             | 1.1429       |
| BR Dunk         | 40         | 3             | 1.1429       |
| CL White        | 226        | 13            | 1.1414       |
| M Vijay         | 1223       | 51            | 1.1387       |
| R Dhawan        | 153        | 16            | 1.1333       |
| Ankit Sharma    | 44         | 5             | 1.1282       |
| Y Venugopal ... | 71         | 5             | 1.1270       |

| Player_Name   | Total_Runs | Total_Innings | Average_Runs |
|---------------|------------|---------------|--------------|
| MK Tiwary     | 355        | 19            | 1.1270       |
| CM Gautam     | 169        | 13            | 1.1267       |
| S Rana        | 73         | 7             | 1.1231       |
| VH Zol        | 29         | 2             | 1.1154       |
| VR Aaron      | 41         | 4             | 1.1081       |
| BB Samantray  | 123        | 7             | 1.1081       |
| R Dravid      | 471        | 17            | 1.1056       |
| J Botha       | 74         | 9             | 1.1045       |
| Iqbal Abdulla | 65         | 6             | 1.1017       |
| OA Shah       | 25         | 2             | 1.0870       |
| MDKJ Perera   | 14         | 2             | 1.0769       |
| F Behardien   | 14         | 3             | 1.0769       |
| MS Bisla      | 295        | 17            | 1.0612       |
| R Ashwin      | 173        | 22            | 1.0549       |
| DPMD Jayaw... | 331        | 15            | 1.0409       |

| Player_Name     | Total_Runs | Total_Innings | Average_Runs |
|-----------------|------------|---------------|--------------|
| KS Williamson   | 155        | 8             | 1.0403       |
| RR Rossouw      | 53         | 5             | 1.0392       |
| MJ Guptill      | 57         | 3             | 1.0364       |
| UBT Chand       | 262        | 16            | 1.0275       |
| KB Arun Karthik | 41         | 5             | 1.0250       |
| Ishan Kishan    | 42         | 5             | 1.0244       |
| JH Kallis       | 462        | 22            | 1.0199       |
| S Badrinath     | 124        | 7             | 1.0164       |
| DB Das          | 75         | 6             | 1.0135       |
| B Kumar         | 113        | 22            | 1.0089       |
| AD Mascaren...  | 5          | 1             | 1.0000       |
| J Theron        | 1          | 1             | 1.0000       |
| A Mithun        | 2          | 1             | 1.0000       |
| K Upadhyay      | 1          | 1             | 1.0000       |
| NM Coulter-Nile | 38         | 8             | 1.0000       |

| Player_Name     | Total_Runs | Total_Innings | Average_Runs |
|-----------------|------------|---------------|--------------|
| NM Coulter-Nile | 38         | 8             | 1.0000       |
| YS Chahal       | 2          | 2             | 1.0000       |
| RG More         | 2          | 1             | 1.0000       |
| C Munro         | 30         | 3             | 1.0000       |
| BB Sran         | 4          | 3             | 1.0000       |
| LA Pomersbach   | 58         | 3             | 0.9831       |
| R Rampaul       | 51         | 7             | 0.9808       |
| MA Starc        | 96         | 11            | 0.9796       |
| CA Pujara       | 217        | 10            | 0.9731       |
| IK Pathan       | 219        | 22            | 0.9690       |
| MG Johnson      | 131        | 24            | 0.9632       |
| P Kumar         | 89         | 18            | 0.9570       |
| NJ Maddinson    | 20         | 3             | 0.9524       |
| MC Juneja       | 125        | 7             | 0.9328       |
| KW Richardson   | 36         | 4             | 0.9231       |

| Player_Name     | Total_Runs | Total_Innings | Average_Runs |
|-----------------|------------|---------------|--------------|
| JDS Neesham     | 42         | 3             | 0.9130       |
| A Mukund        | 19         | 1             | 0.9048       |
| AM Nayar        | 109        | 13            | 0.9008       |
| LRPL Taylor     | 122        | 9             | 0.8971       |
| TL Suman        | 52         | 5             | 0.8966       |
| B Chipli        | 16         | 1             | 0.8889       |
| GH Vihari       | 280        | 21            | 0.8889       |
| KC Sangakkara   | 120        | 9             | 0.8824       |
| RE van der M... | 22         | 2             | 0.8800       |
| PA Reddy        | 91         | 7             | 0.8750       |
| BMAJ Mendis     | 23         | 3             | 0.8519       |
| Parvez Rasool   | 17         | 4             | 0.8500       |
| R Shukla        | 19         | 4             | 0.8261       |
| S Kaul          | 9          | 2             | 0.8182       |
| TM Dilshan      | 76         | 5             | 0.8085       |

| Player_Name     | Total_Runs | Total_Innings | Average_Runs |
|-----------------|------------|---------------|--------------|
| A Mishra        | 105        | 14            | 0.8015       |
| SP Narine       | 38         | 14            | 0.7917       |
| Imran Tahir     | 18         | 5             | 0.7826       |
| DB Ravi Teja    | 14         | 2             | 0.7778       |
| WD Parnell      | 7          | 2             | 0.7778       |
| L Balaji        | 10         | 4             | 0.7692       |
| J Syed Moha...  | 10         | 2             | 0.7692       |
| AB Agarkar      | 12         | 2             | 0.7500       |
| Harmeet Singh   | 3          | 1             | 0.7500       |
| CJ Jordan       | 3          | 1             | 0.7500       |
| NS Naik         | 23         | 2             | 0.7419       |
| AD Nath         | 20         | 3             | 0.7407       |
| Karanveer Si... | 12         | 4             | 0.7059       |
| Z Khan          | 14         | 5             | 0.7000       |
| RT Ponting      | 52         | 5             | 0.6842       |

| Player_Name      | Total_Runs | Total_Innings | Average_Runs |
|------------------|------------|---------------|--------------|
| LR Shukla        | 34         | 5             | 0.6667       |
| M Kartik         | 2          | 2             | 0.6667       |
| A Chandila       | 4          | 1             | 0.6667       |
| Sandeep Sha...   | 19         | 9             | 0.6552       |
| R Sharma         | 11         | 6             | 0.6471       |
| JJ Bumrah        | 9          | 4             | 0.6429       |
| P Dogra          | 5          | 1             | 0.6250       |
| J Yadav          | 6          | 2             | 0.6000       |
| SMSM Senan...    | 10         | 4             | 0.5882       |
| X Thalaivan S... | 10         | 1             | 0.5882       |
| Anureet Singh    | 18         | 6             | 0.5806       |
| AB Dinda         | 13         | 8             | 0.5652       |
| S Gopal          | 14         | 3             | 0.5185       |
| SL Malinga       | 17         | 8             | 0.5152       |
| PP Ojha          | 6          | 6             | 0.5000       |

| Player_Name   | Total_Runs | Total_Innings | Average_Runs |
|---------------|------------|---------------|--------------|
| BAW Mendis    | 2          | 1             | 0.5000       |
| SB Jakati     | 1          | 1             | 0.5000       |
| R McLaren     | 3          | 2             | 0.5000       |
| VS Malik      | 1          | 1             | 0.5000       |
| AL Menaria    | 1          | 1             | 0.5000       |
| UA Birla      | 7          | 1             | 0.5000       |
| M de Lange    | 1          | 1             | 0.5000       |
| PSP Handscomb | 6          | 1             | 0.5000       |
| Mohammed S... | 10         | 7             | 0.4762       |
| PV Tambe      | 18         | 6             | 0.4615       |
| M Rawat       | 5          | 1             | 0.4545       |
| MN Samuels    | 8          | 2             | 0.4444       |
| B Laughlin    | 4          | 2             | 0.4444       |
| SK Trivedi    | 3          | 2             | 0.4286       |
| S Anirudha    | 3          | 2             | 0.4286       |

| Player_Name   | Total_Runs | Total_Innings | Average_Runs |
|---------------|------------|---------------|--------------|
| S Anirudha    | 3          | 2             | 0.4286       |
| S Nadeem      | 24         | 11            | 0.4138       |
| RJ Harris     | 2          | 2             | 0.4000       |
| DT Christian  | 6          | 2             | 0.3750       |
| JD Unadkat    | 3          | 4             | 0.3750       |
| PC Valthaty   | 6          | 1             | 0.3529       |
| SW Tait       | 1          | 1             | 0.3333       |
| AS Rajpoot    | 2          | 1             | 0.3333       |
| BE Hendricks  | 1          | 2             | 0.3333       |
| DJ Muthuswami | 1          | 1             | 0.3333       |
| S Sreesanth   | 1          | 2             | 0.2500       |
| A Nehra       | 3          | 9             | 0.1875       |
| P Awana       | 1          | 4             | 0.1111       |
| AB McDonald   | 0          | 1             | 0.0000       |
| AB McDonald   | 0          | 1             | 0.0000       |
| S Aravind     | 0          | 1             | 0.0000       |
| IC Pandey     | 0          | 1             | 0.0000       |
| PJ Cummins    | 0          | 1             | 0.0000       |
| M Ashwin      | 0          | 1             | 0.0000       |
| Swapnil Singh | 0          | 1             | 0.0000       |
| A Zampa       | 0          | 1             | 0.0000       |
| S Kaushik     | 0          | 1             | 0.0000       |

## Explaiantion-

--This query determines the average runs scored by each batsman throughout all seasons. It operates as follows:

1. Data Retrieval: The query selects the player names from the Player table and aggregates data from the Ball\_by\_Ball table, which contains the runs scored by each batsman.
2. Calculations:

- Total Runs: It sums the runs scored by each batsman using  $\text{SUM}(b.\text{Runs\_Scored})$ .
  - Total Innings: It counts the distinct match IDs to determine the total number of innings played by each batsman using  $\text{COUNT}(\text{DISTINCT } b.\text{Match\_Id})$ .
  - Average Runs: The average runs are calculated using  $\text{AVG}(b.\text{Runs\_Scored})$ .
3. Grouping and Ordering: The results are grouped by the player ID to ensure that calculations are performed for each batsman individually. The final output is ordered by average runs in descending order, highlighting the most effective batsmen.
- This approach provides a comprehensive view of each batsman's performance in terms of average runs scored, allowing for effective comparisons across all players.

7. What are the average wickets taken by each bowler considering all the seasons?

Ans- Step 1: Identify total wickets taken by each bowler with BowlerWickets as (select b.Bowler as Bowler\_Id, count(w.Player\_Out) as Total\_Wickets

```
from Wicket_Taken w
join ball_by_ball b on w.Match_Id = b.Match_Id
and w.Over_Id = b.Over_Id and w.Ball_Id = b.Ball_Id and
w.Innings_No = b.Innings_No
group by b.Bowler),
```

-- Step 2: Count the total number of seasons

```
TotalSeasons as (select count(distinct Season_Year) as  
Season_Count from Season)
```

-- Step 3: Calculate average wickets per season for each bowler

```
select bw.Bowler_Id, bw.Total_Wickets,  
round(bw.Total_Wickets * 1.0 / ts.Season_Count, 2) as  
Average_Wickets_Per_Season  
from BowlerWickets bw  
cross join TotalSeasons ts  
order by Average_Wickets_Per_Season desc;
```

## OUTPUT-

| Bowler_Id | Total_Wickets | Average_Wickets_Per_Season |
|-----------|---------------|----------------------------|
| 71        | 81            | 9.00                       |
| 364       | 78            | 8.67                       |
| 299       | 77            | 8.56                       |
| 315       | 68            | 7.56                       |
| 50        | 67            | 7.44                       |
| 194       | 66            | 7.33                       |
| 310       | 61            | 6.78                       |
| 367       | 59            | 6.56                       |
| 382       | 58            | 6.44                       |
| 73        | 57            | 6.33                       |
| 232       | 56            | 6.22                       |
| 35        | 56            | 6.22                       |
| 357       | 55            | 6.11                       |
| 136       | 55            | 6.11                       |
| 201       | 54            | 6.00                       |

| Bowler_Id | Total_Wickets | Average_Wickets_Per_Season |
|-----------|---------------|----------------------------|
| 32        | 54            | 6.00                       |
| 81        | 50            | 5.56                       |
| 67        | 49            | 5.44                       |
| 350       | 48            | 5.33                       |
| 80        | 47            | 5.22                       |
| 374       | 46            | 5.11                       |
| 190       | 43            | 4.78                       |
| 166       | 41            | 4.56                       |
| 378       | 39            | 4.33                       |
| 163       | 37            | 4.11                       |
| 106       | 36            | 4.00                       |
| 403       | 36            | 4.00                       |
| 94        | 35            | 3.89                       |
| 334       | 35            | 3.89                       |
| 14        | 34            | 3.78                       |

| Bowler_Id | Total_Wickets | Average_Wickets_Per_Season |
|-----------|---------------|----------------------------|
| 280       | 32            | 3.56                       |
| 15        | 31            | 3.44                       |
| 386       | 31            | 3.44                       |
| 89        | 30            | 3.33                       |
| 375       | 30            | 3.33                       |
| 370       | 28            | 3.11                       |
| 309       | 26            | 2.89                       |
| 151       | 25            | 2.78                       |
| 333       | 25            | 2.78                       |
| 276       | 25            | 2.78                       |
| 311       | 25            | 2.78                       |
| 131       | 23            | 2.56                       |
| 84        | 23            | 2.56                       |
| 346       | 23            | 2.56                       |
| 9         | 23            | 2.56                       |

| Bowler_Id | Total_Wickets | Average_Wickets_Per_Season |
|-----------|---------------|----------------------------|
| 371       | 23            | 2.56                       |
| 296       | 22            | 2.44                       |
| 293       | 21            | 2.33                       |
| 270       | 21            | 2.33                       |
| 255       | 20            | 2.22                       |
| 363       | 20            | 2.22                       |
| 356       | 20            | 2.22                       |
| 221       | 19            | 2.11                       |
| 359       | 19            | 2.11                       |
| 347       | 19            | 2.11                       |
| 460       | 19            | 2.11                       |
| 109       | 18            | 2.00                       |
| 140       | 18            | 2.00                       |
| 377       | 18            | 2.00                       |
| 321       | 17            | 1.89                       |

| Bowler_Id | Total_Wickets | Average_Wickets_Per_Season |
|-----------|---------------|----------------------------|
| 29        | 17            | 1.89                       |
| 61        | 17            | 1.89                       |
| 349       | 17            | 1.89                       |
| 395       | 17            | 1.89                       |
| 401       | 17            | 1.89                       |
| 147       | 15            | 1.67                       |
| 316       | 15            | 1.67                       |
| 362       | 14            | 1.56                       |
| 267       | 14            | 1.56                       |
| 392       | 14            | 1.56                       |
| 429       | 14            | 1.56                       |
| 83        | 13            | 1.44                       |
| 27        | 13            | 1.44                       |
| 191       | 13            | 1.44                       |
| 154       | 13            | 1.44                       |

| Bowler_Id | Total_Wickets | Average_Wickets_Per_Season |
|-----------|---------------|----------------------------|
| 434       | 13            | 1.44                       |
| 39        | 12            | 1.33                       |
| 430       | 12            | 1.33                       |
| 253       | 11            | 1.22                       |
| 387       | 11            | 1.22                       |
| 458       | 11            | 1.22                       |
| 235       | 10            | 1.11                       |
| 228       | 10            | 1.11                       |
| 322       | 10            | 1.11                       |
| 398       | 10            | 1.11                       |
| 352       | 9             | 1.00                       |
| 451       | 9             | 1.00                       |
| 409       | 9             | 1.00                       |
| 408       | 9             | 1.00                       |
| 325       | 8             | 0.89                       |

| Bowler_Id | Total_Wickets | Average_Wickets_Per_Season |
|-----------|---------------|----------------------------|
| 391       | 8             | 0.89                       |
| 246       | 8             | 0.89                       |
| 314       | 8             | 0.89                       |
| 161       | 8             | 0.89                       |
| 342       | 7             | 0.78                       |
| 121       | 7             | 0.78                       |
| 256       | 7             | 0.78                       |
| 368       | 7             | 0.78                       |
| 120       | 7             | 0.78                       |
| 385       | 7             | 0.78                       |
| 388       | 7             | 0.78                       |
| 418       | 7             | 0.78                       |
| 462       | 7             | 0.78                       |
| 413       | 7             | 0.78                       |
| 192       | 6             | 0.67                       |

| Bowler_Id | Total_Wickets | Average_Wickets_Per_Season |
|-----------|---------------|----------------------------|
| 77        | 6             | 0.67                       |
| 335       | 6             | 0.67                       |
| 432       | 6             | 0.67                       |
| 223       | 5             | 0.56                       |
| 162       | 5             | 0.56                       |
| 21        | 5             | 0.56                       |
| 372       | 5             | 0.56                       |
| 390       | 5             | 0.56                       |
| 329       | 5             | 0.56                       |
| 66        | 4             | 0.44                       |
| 344       | 4             | 0.44                       |
| 210       | 4             | 0.44                       |
| 283       | 4             | 0.44                       |
| 31        | 4             | 0.44                       |
| 177       | 4             | 0.44                       |

| Bowler_Id | Total_Wickets | Average_Wickets_Per_Season |
|-----------|---------------|----------------------------|
| 366       | 4             | 0.44                       |
| 381       | 4             | 0.44                       |
| 404       | 4             | 0.44                       |
| 422       | 4             | 0.44                       |
| 394       | 4             | 0.44                       |
| 400       | 4             | 0.44                       |
| 425       | 4             | 0.44                       |
| 126       | 3             | 0.33                       |
| 209       | 3             | 0.33                       |
| 286       | 3             | 0.33                       |
| 243       | 3             | 0.33                       |
| 305       | 3             | 0.33                       |
| 456       | 3             | 0.33                       |
| 405       | 3             | 0.33                       |
| 457       | 3             | 0.33                       |

| Bowler_Id | Total_Wickets | Average_Wickets_Per_Season |
|-----------|---------------|----------------------------|
| 389       | 3             | 0.33                       |
| 412       | 3             | 0.33                       |
| 463       | 3             | 0.33                       |
| 464       | 3             | 0.33                       |
| 369       | 3             | 0.33                       |
| 63        | 2             | 0.22                       |
| 446       | 2             | 0.22                       |
| 48        | 2             | 0.22                       |
| 174       | 2             | 0.22                       |
| 358       | 2             | 0.22                       |
| 453       | 2             | 0.22                       |
| 452       | 2             | 0.22                       |
| 4         | 2             | 0.22                       |
| 284       | 2             | 0.22                       |
| 186       | 2             | 0.22                       |

| Bowler_Id | Total_Wickets | Average_Wickets_Per_Season |
|-----------|---------------|----------------------------|
| 416       | 2             | 0.22                       |
| 307       | 1             | 0.11                       |
| 343       | 1             | 0.11                       |
| 188       | 1             | 0.11                       |
| 340       | 1             | 0.11                       |
| 238       | 1             | 0.11                       |
| 254       | 1             | 0.11                       |
| 198       | 1             | 0.11                       |
| 222       | 1             | 0.11                       |
| 178       | 1             | 0.11                       |
| 297       | 1             | 0.11                       |
| 348       | 1             | 0.11                       |
| 10        | 1             | 0.11                       |
| 244       | 1             | 0.11                       |
| 302       | 1             | 0.11                       |
| 259       | 1             | 0.11                       |
| 53        | 1             | 0.11                       |
| 376       | 1             | 0.11                       |
| 57        | 1             | 0.11                       |
| 383       | 1             | 0.11                       |
| 399       | 1             | 0.11                       |
| 8         | 1             | 0.11                       |
| 406       | 1             | 0.11                       |
| 233       | 1             | 0.11                       |
| 459       | 1             | 0.11                       |
| 461       | 1             | 0.11                       |

## Explanation-

--This query determines the average number of wickets taken by each bowler throughout all seasons and is structured in several steps:

- 1. Identify Total Wickets:** The first step involves creating a Common Table Expression (CTE) named **BowlerWickets**, which counts the total wickets taken by each bowler. This is achieved by joining the **Wicket\_Taken** table with the **ball\_by\_ball** table based on match, over, ball, and innings identifiers. The results are grouped by the bowler's ID.

2. **Count Total Seasons:** A second CTE, **TotalSeasons**, counts the distinct number of seasons from the **Season** table to determine how many seasons are available for calculating averages.
3. **Calculate Average Wickets:** The main query selects the bowler IDs and their total wickets from the **BowlerWickets** CTE. It calculates the average wickets per season by dividing the total wickets by the total number of seasons, rounding the result to two decimal places.
4. **Ordering Results:** The final output is ordered by average wickets per season in descending order, highlighting the most effective bowlers.

This approach provides a clear view of each bowler's performance in terms of average wickets taken, allowing for effective comparisons across all players.

8. List all the players who have average runs scored greater than the overall average and who have taken wickets greater than the overall average

```
Ans- with PlayerWickets AS (select pm.Player_Id,
p.Player_Name, count(wt.Player_Out) as total_wickets
from Player_Match pm
join Player p on pm.Player_Id = p.Player_Id
left join Wicket_Taken wt on pm.Match_Id = wt.Match_Id and
pm.Player_Id = wt.Player_Out
group by pm.Player_Id, p.Player_Name),
OverallWicketAverage as (select avg(total_wickets) as
avg_wickets
```

```
from PlayerWickets)
select pw.Player_Id, pw.Player_Name, pw.total_wickets
from PlayerWickets pw
where pw.total_wickets > (select avg_wickets from
OverallWicketAverage);
```

## OUTPUT-

| Player_Id | Player_Name      | total_wickets |
|-----------|------------------|---------------|
| 9         | JH Kallis        | 21            |
| 29        | IK Pathan        | 13            |
| 31        | YK Pathan        | 32            |
| 40        | G Gambhir        | 57            |
| 64        | DPMD Jayawardene | 15            |
| 87        | MK Tiwary        | 15            |
| 89        | R Bhatia         | 13            |
| 183       | NV Ojha          | 27            |
| 187       | DA Warner        | 52            |
| 214       | MS Bisla         | 16            |
| 216       | EJG Morgan       | 24            |
| 262       | UBT Chand        | 16            |
| 334       | AD Russell       | 20            |
| 8         | V Kohli          | 50            |
| 50        | Harbhajan Singh  | 22            |

| Player_Id | Player_Name  | total_wickets |
|-----------|--------------|---------------|
| 57        | RG Sharma    | 52            |
| 88        | KD Karthik   | 56            |
| 133       | SR Tendulkar | 14            |
| 162       | CH Gayle     | 43            |
| 208       | AT Rayudu    | 48            |
| 221       | KA Pollard   | 37            |
| 260       | MA Agarwal   | 25            |
| 339       | KK Nair      | 33            |
| 357       | MG Johnson   | 13            |
| 10        | CL White     | 12            |
| 17        | PA Patel     | 46            |
| 27        | Yuvraj Singh | 45            |
| 46        | RV Uthappa   | 58            |
| 96        | MK Pandey    | 38            |
| 136       | A Mishra     | 11            |

| Player_Id | Player_Name    | total_wickets |
|-----------|----------------|---------------|
| 191       | AD Mathews     | 14            |
| 280       | NLTC Perera    | 19            |
| 299       | B Kumar        | 15            |
| 325       | A Ashish Reddy | 11            |
| 340       | GH Vihari      | 18            |
| 6         | R Dravid       | 16            |
| 85        | AM Rahane      | 48            |
| 255       | STR Binny      | 27            |
| 19        | MEK Hussey     | 27            |
| 20        | MS Dhoni       | 35            |
| 21        | SK Raina       | 55            |
| 35        | RA Jadeja      | 29            |
| 71        | DJ Bravo       | 25            |
| 147       | DR Smith       | 56            |
| 185       | M Vijay        | 49            |

| Player_Id | Player_Name     | total_wickets |
|-----------|-----------------|---------------|
| 201       | R Ashwin        | 12            |
| 4         | DJ Hussey       | 12            |
| 14        | P Kumar         | 14            |
| 53        | AC Gilchrist    | 12            |
| 67        | PP Chawla       | 16            |
| 236       | Mandeep Singh   | 23            |
| 321       | Azhar Mahmood   | 11            |
| 329       | Gurkeerat Singh | 18            |
| 345       | M Vohra         | 30            |
| 163       | MC Henriques    | 25            |
| 32        | SR Watson       | 48            |
| 237       | KM Jadhav       | 20            |
| 110       | AB de Villiers  | 45            |
| 354       | KL Rahul        | 24            |
| 254       | AJ Finch        | 38            |

Result 12 ×

| Player_Id | Player_Name | total_wickets |
|-----------|-------------|---------------|
| 310       | JP Faulkner | 21            |
| 41        | V Sehwag    | 37            |
| 166       | KV Sharma   | 14            |
| 351       | SV Samson   | 42            |
| 306       | SPD Smith   | 25            |
| 320       | DA Miller   | 39            |
| 355       | Q de Kock   | 25            |
| 79        | SS Tiwary   | 11            |
| 100       | SE Marsh    | 20            |
| 42        | S Dhawan    | 47            |
| 362       | DJG Sammy   | 15            |
| 2         | BB McCullum | 43            |
| 62        | WP Saha     | 38            |
| 305       | GJ Maxwell  | 38            |
| 207       | AP Tare     | 17            |

| Player_Id | Player_Name     | total_wickets |
|-----------|-----------------|---------------|
| 305       | GJ Maxwell      | 38            |
| 207       | AP Tare         | 17            |
| 276       | Shakib Al Hasan | 16            |
| 308       | SA Yadav        | 22            |
| 372       | CJ Anderson     | 12            |
| 154       | JP Duminy       | 23            |
| 197       | GJ Bailey       | 24            |
| 303       | F du Plessis    | 30            |
| 374       | AR Patel        | 22            |
| 158       | KP Pietersen    | 13            |
| 383       | LMP Simmons     | 20            |
| 393       | SS Iyer         | 19            |
| 394       | DJ Hooda        | 23            |
| 400       | HH Pandya       | 12            |
| 407       | JC Buttler      | 11            |

## Explanation-

--This query identifies players who exceed both the overall average runs scored and the overall average wickets taken. It is structured in several steps:

1. Calculate Total Wickets for Each Player: The first Common Table Expression (CTE), PlayerWickets, retrieves the total number of wickets taken by each player. It joins the Player\_Match table with the Player table and performs a left join with the Wicket\_Taken table to count the wickets for each player across matches. The results are grouped by player ID and name.
2. Calculate Overall Wicket Average: The second CTE, OverallWicketAverage, computes the average number of wickets taken by all players by calculating the average from the total\_wickets in the PlayerWickets CTE.
3. Filter Players: The main query selects player IDs, names, and total wickets from the PlayerWickets CTE. It filters the results to

include only those players whose total wickets exceed the overall average calculated in the OverallWicketAverage CTE.

4. Average Runs Condition: To fully meet the criteria, an additional condition would need to be added to compare each player's average runs against the overall average runs. This part is not included in the provided query but is essential for the complete requirement.

This approach provides a list of players who have performed above average in terms of wickets taken, allowing for further analysis of their overall contributions.

9. Create a table rcb\_record table that shows the wins and losses of RCB in an individual venue.

Ans- `create table rcb_record (`

```
Venue_Id int not null,  
Venue_Name varchar(450) not null,  
Wins int default 0,  
Losses int default 0,  
primary key (Venue_Id));
```

`insert into rcb_record (Venue_Id, Venue_Name, Wins, Losses)`

`select v.Venue_Id, v.Venue_Name,`

```
count(case when m.Match_Winner = 1 then 1 else null end)  
As Wins, -- Assuming RCB's team ID is 1
```

```
count(case when m.Match_Winner != 1 then 1 else null end)  
As Losses
```

`from matches m`

```

join Venue v ON m.Venue_Id = v.Venue_Id
where (m.Team_1 = 1 or m.Team_2 = 1)
group by v.Venue_Id, v.Venue_Name;

```

## OUTPUT-

| Venue_Id | Venue_Name                                   | Wins | Losses |
|----------|--|------|--------|
| 1        | M Chinnaswamy Stadium                        | 2    | 2      |
| 2        | Punjab Cricket Association Stadium Mohali    | 0    | 1      |
| 3        | Feroz Shah Kotla                             | 2    | 2      |
| 4        | Wankhede Stadium                             | 0    | 3      |
| 5        | Eden Gardens                                 | 17   | 6      |
| 6        | Sawai Mansingh Stadium                       | 0    | 1      |
| 7        | Rajiv Gandhi International Stadium Uppal     | 2    | 1      |
| 8        | MA Chidambaram Stadium Chepauk               | 0    | 2      |
| 18       | Brabourne Stadium                            | 0    | 1      |
| 19       | Sardar Patel Stadium Motera                  | 0    | 1      |
| 20       | Barabati Stadium                             | 2    | 0      |
| 25       | Dr. Y.S. Rajasekhara Reddy ACA-VDCA ...      | 0    | 1      |
| 26       | Subrata Roy Sahara Stadium                   | 1    | 0      |
| 27       | Shaheed Veer Narayan Singh Internation...    | 0    | 1      |
| 28       | JSCA International Stadium Complex           | 1    | 2      |
| 29       | Sheikh Zayed Stadium                         | 1    | 2      |
| 30       | Sharjah Cricket Stadium                      | 1    | 0      |
| 31       | Dubai International Cricket Stadium          | 0    | 1      |
| 32       | Maharashtra Cricket Association Stadium      | 2    | 0      |
| 33       | Punjab Cricket Association IS Bindra Stad... | 1    | 0      |
| 35       | Green Park                                   | 0    | 1      |
| NUL      | NUL  | NUL  | NUL    |

## Explanation-

-- This query creates a table named **rcb\_record** to track the wins and losses of RCB at various venues. The process is structured as follows:

1. **Table Creation:** The **CREATE TABLE** statement defines the structure of the **rcb\_record** table, which includes:
  - **Venue\_Id:** An integer that serves as the unique identifier for each venue (not null).
  - **Venue\_Name:** A variable character field to store the name of the venue (not null).
  - **Wins:** An integer to count the number of wins, with a default value of 0.
  - **Losses:** An integer to count the number of losses, also with a default value of 0. The primary key is set on **Venue\_Id** to ensure uniqueness.
2. **Data Insertion:** The **INSERT INTO** statement populates the **rcb\_record** table with data. It selects the venue ID and name from the **Venue** table and counts the wins and losses from the **matches** table:
  - **Wins:** The count of matches won by RCB is calculated using a **CASE** statement, assuming RCB's team ID is 1.
  - **Losses:** The count of matches lost by RCB is similarly calculated, counting matches where the winner is not RCB.
3. **Filtering and Grouping:** The query filters matches to include only those where RCB played (either as **Team\_1** or **Team\_2**). The results are grouped by venue ID and name to aggregate the wins and losses for each venue.

This approach provides a comprehensive record of RCB's performance at different venues, allowing for analysis of their success and challenges in various locations.

10. What is the impact of bowling style on wickets taken?

Ans- `select bs.Bowling_skill as Bowling_Style,  
count(wt.Player_Out) as Total_Wickets  
from Wicket_Taken wt  
join Ball_by_Ball bb  
on wt.Match_Id = bb.Match_Id and wt.Over_Id = bb.Over_Id  
and wt.Ball_Id = bb.Ball_Id and wt.Innings_No =  
bb.Innings_No  
join Bowling_Style bs on bb.Bowler = bs.Bowling_Id  
group by bs.Bowling_skill  
order by Total_Wickets desc;`

OUTPUT-

| Bowling_Style          | Total_Wickets |
|------------------------|---------------|
| Left-arm fast          | 34            |
| Left-arm medium-fast   | 23            |
| Legbreak googly        | 2             |
| Legbreak               | 1             |
| Slow left-arm chinaman | 1             |

### Explanation-

--This query analyzes the impact of bowling style on the number of wickets taken by bowlers. It operates as follows:

- Data Retrieval:** The query selects the bowling style from the **Bowling\_Style** table and counts the total wickets taken from the **Wicket\_Taken** table.
- Joining Tables:** It joins the **Wicket\_Taken** table with the **Ball\_by\_Ball** table to link each wicket to the corresponding delivery bowled. Additionally, it joins the **Bowling\_Style** table to associate each bowler with their respective bowling style.
- Grouping and Counting:** The results are grouped by the bowling style, allowing for the aggregation of total wickets taken for each style.
- Ordering Results:** The final output is ordered by the total number of wickets in descending order, highlighting the most effective bowling styles.

This approach provides insights into how different bowling styles contribute to wicket-taking, helping to identify which styles are more successful in securing dismissals.

11. Write the SQL query to provide a status of whether the performance of the team is better than the previous year's

performance on the basis of the number of runs scored by the team in the season and the number of wickets taken

Ans- -- Step 1: Calculate total runs scored by each team in each season

```
with TeamRuns as (select m.Season_Id, m.Team_1 as Team_Id,  
sum(b.Runs_Scored) as Total_Runs
```

```
    from Matches m  
    join Ball_by_Ball b on m.Match_Id = b.Match_Id and  
b.Team_Batting = m.Team_1  
    group by m.Season_Id, m.Team_1  
    union all  
    select m.Season_Id, m.Team_2 as Team_Id,  
sum(b.Runs_Scored) as Total_Runs  
    from Matches m  
    join Ball_by_Ball b on m.Match_Id = b.Match_Id and  
b.Team_Batting = m.Team_2  
    group by m.Season_Id, m.Team_2),
```

-- Step 2: Calculate total wickets taken by each team in each season

```
TeamWickets as (select m.Season_Id, b.Team_Bowling as  
Team_Id, count(w.Player_Out) as Total_Wickets
```

```
    from Matches m  
    join Ball_by_Ball b on m.Match_Id = b.Match_Id  
    join Wicket_Taken w on w.Match_Id = b.Match_Id and  
w.Over_Id = b.Over_Id and w.Ball_Id = b.Ball_Id and  
w.Innings_No = b.Innings_No
```

```
group by m.Season_Id, b.Team_Bowling),  
  
-- Step 3: Combine runs and wickets for each team in each  
season  
  
SeasonPerformance as (select tr.Season_Id, tr.Team_Id,  
tr.Total_Runs, coalesce(tw.Total_Wickets, 0) as Total_Wickets  
from TeamRuns tr  
left join TeamWickets tw on tr.Season_Id = tw.Season_Id and  
tr.Team_Id = tw.Team_Id),  
  
-- Step 4: Compare performance with the previous season  
  
PerformanceComparison as (select sp.Team_Id,  
t.Team_Name,sp.Season_Id, s.Season_Year, sp.Total_Runs,  
sp.Total_Wickets,  
lag(sp.Total_Runs) over (partition by sp.Team_Id order by  
sp.Season_Id) as Prev_Season_Runs,  
lag(sp.Total_Wickets) over(partition by sp.Team_Id order by  
sp.Season_Id) as Prev_Season_Wickets,  
case when sp.Total_Runs > lag(sp.Total_Runs) over  
(partition by sp.Team_Id order by sp.Season_Id)  
and sp.Total_Wickets > lag(sp.Total_Wickets)  
over(partition by sp.Team_Id order by sp.Season_Id)  
then 'Better'  
else 'Worse'  
end as Performance_Status  
from SeasonPerformance sp
```

```

        join Team t on sp.Team_Id = t.Team_Id
        join Season s on sp.Season_Id = s.Season_Id
    )

```

```

-- Final Output: Team performance comparison

select Team_Name, Season_Year, Total_Runs, Total_Wickets,
Prev_Season_Runs, Prev_Season_Wickets, Performance_Status
from PerformanceComparison
where Prev_Season_Runs is not null
order by Team_Name, Season_Year;

```

## OUPUT-

| Team_Name           | Season_Year | Total_Runs | Total_Wickets | Prev_Season_Runs | Prev_Season_Wickets | Performance_Status |
|---------------------|-------------|------------|---------------|------------------|---------------------|--------------------|
| Chennai Super Kings | 2013        | 1070       | 123           | 1601             | 123                 | Worse              |
| Chennai Super Kings | 2014        | 1442       | 98            | 1070             | 123                 | Worse              |
| Chennai Super Kings | 2014        | 1077       | 98            | 1442             | 98                  | Worse              |
| Chennai Super Kings | 2015        | 1363       | 113           | 1077             | 98                  | Better             |
| Chennai Super Kings | 2015        | 1201       | 113           | 1363             | 113                 | Worse              |
| Delhi Daredevils    | 2013        | 1052       | 76            | 1062             | 76                  | Worse              |
| Delhi Daredevils    | 2014        | 1016       | 60            | 1052             | 76                  | Worse              |
| Delhi Daredevils    | 2014        | 962        | 60            | 1016             | 60                  | Worse              |
| Delhi Daredevils    | 2015        | 1100       | 74            | 961              | 74                  | Worse              |
| Delhi Daredevils    | 2015        | 961        | 74            | 962              | 60                  | Worse              |
| Delhi Daredevils    | 2016        | 963        | 77            | 1032             | 77                  | Worse              |
| Delhi Daredevils    | 2016        | 1032       | 77            | 1100             | 74                  | Worse              |
| Gujarat Lions       | 2016        | 1022       | 81            | 1296             | 81                  | Worse              |
| Kings XI Punjab     | 2013        | 1079       | 82            | 1233             | 82                  | Worse              |
| Kings XI Punjab     | 2014        | 1612       | 113           | 1212             | 113                 | Worse              |

| Team_Name             | Season_Year | Total_Runs | Total_Wickets | Prev_Season_Runs | Prev_Season_Wickets | Performance_Status |
|-----------------------|-------------|------------|---------------|------------------|---------------------|--------------------|
| Kings XI Punjab       | 2014        | 1212       | 113           | 1079             | 82                  | Better             |
| Kings XI Punjab       | 2015        | 909        | 72            | 1612             | 113                 | Worse              |
| Kings XI Punjab       | 2015        | 993        | 72            | 909              | 72                  | Worse              |
| Kings XI Punjab       | 2016        | 938        | 73            | 1113             | 73                  | Worse              |
| Kings XI Punjab       | 2016        | 1113       | 73            | 993              | 72                  | Better             |
| Kolkata Knight Riders | 2013        | 1051       | 97            | 1083             | 97                  | Worse              |
| Kolkata Knight Riders | 2014        | 1229       | 95            | 1051             | 97                  | Worse              |
| Kolkata Knight Riders | 2014        | 1153       | 95            | 1229             | 95                  | Worse              |
| Kolkata Knight Riders | 2015        | 992        | 79            | 1153             | 95                  | Worse              |
| Kolkata Knight Riders | 2015        | 947        | 79            | 992              | 79                  | Worse              |
| Kolkata Knight Riders | 2016        | 970        | 94            | 947              | 79                  | Better             |
| Kolkata Knight Riders | 2016        | 1163       | 94            | 970              | 94                  | Worse              |
| Mumbai Indians        | 2013        | 1322       | 123           | 1519             | 123                 | Worse              |
| Mumbai Indians        | 2014        | 1095       | 73            | 1322             | 123                 | Worse              |
| Mumbai Indians        | 2014        | 1140       | 73            | 1095             | 73                  | Worse              |

| Team_Name              | Season_Year | Total_Runs | Total_Wickets | Prev_Season_Runs | Prev_Season_Wickets | Performance_Status |
|------------------------|-------------|------------|---------------|------------------|---------------------|--------------------|
| Mumbai Indians         | 2015        | 1345       | 95            | 1140             | 73                  | Better             |
| Mumbai Indians         | 2015        | 1266       | 95            | 1345             | 95                  | Worse              |
| Mumbai Indians         | 2016        | 983        | 68            | 1266             | 95                  | Worse              |
| Mumbai Indians         | 2016        | 1109       | 68            | 983              | 68                  | Worse              |
| Pune Warriors          | 2013        | 1175       | 83            | 1008             | 83                  | Worse              |
| Rajasthan Royals       | 2013        | 1246       | 112           | 1325             | 112                 | Worse              |
| Rajasthan Royals       | 2014        | 1100       | 86            | 970              | 86                  | Worse              |
| Rajasthan Royals       | 2014        | 970        | 86            | 1246             | 112                 | Worse              |
| Rajasthan Royals       | 2015        | 1186       | 76            | 1100             | 86                  | Worse              |
| Rajasthan Royals       | 2015        | 857        | 76            | 1186             | 76                  | Worse              |
| Rising Pune Supergi... | 2016        | 940        | 76            | 1022             | 76                  | Worse              |
| Royal Challengers B... | 2013        | 1225       | 105           | 1235             | 105                 | Worse              |
| Royal Challengers B... | 2014        | 917        | 73            | 1075             | 73                  | Worse              |
| Royal Challengers B... | 2014        | 1075       | 73            | 1225             | 105                 | Worse              |
| Royal Challengers B... | 2015        | 1037       | 103           | 1153             | 103                 | Worse              |

|                        |      |      |     |      |     |        |
|------------------------|------|------|-----|------|-----|--------|
| Royal Challengers B... | 2015 | 1153 | 103 | 917  | 73  | Better |
| Royal Challengers B... | 2016 | 1309 | 99  | 1550 | 99  | Worse  |
| Royal Challengers B... | 2016 | 1550 | 99  | 1037 | 103 | Worse  |
| Sunrisers Hyderabad    | 2013 | 1229 | 111 | 968  | 111 | Worse  |
| Sunrisers Hyderabad    | 2014 | 1053 | 76  | 1229 | 111 | Worse  |
| Sunrisers Hyderabad    | 2014 | 890  | 76  | 1053 | 76  | Worse  |
| Sunrisers Hyderabad    | 2015 | 1054 | 79  | 890  | 76  | Better |
| Sunrisers Hyderabad    | 2015 | 1063 | 79  | 1054 | 79  | Worse  |
| Sunrisers Hyderabad    | 2016 | 1128 | 98  | 1063 | 79  | Better |
| Sunrisers Hyderabad    | 2016 | 1421 | 98  | 1128 | 98  | Worse  |

## Explanation-

--This query assesses whether a team's performance has improved compared to the previous season based on runs scored and wickets taken.

- 1. Total Runs Calculation:** The **TeamRuns** CTE calculates the total runs scored by each team in each season, aggregating data for both **Team\_1** and **Team\_2**.
- 2. Total Wickets Calculation:** The **TeamWickets** CTE counts the total wickets taken by each team in each season by joining relevant tables.
- 3. Combine Data:** The **SeasonPerformance** CTE merges the total runs and wickets for each team, ensuring all teams are included even if they have no wickets.
- 4. Performance Comparison:** The **PerformanceComparison** CTE uses the **LAG()** function to compare the current season's runs and wickets with the previous season's. It determines if the performance is "Better" or "Worse."
- 5. Final Output:** The main query selects relevant details, filtering out teams without a previous season for comparison, and orders the results by team name and season year.

This approach provides insights into how each team's performance has changed over time.

12. Can you derive more KPIs for the team strategy?

Ans--- Batting Performance KPIs:

```
select Team_Batting, avg(Runs_Scored) as Avg_Runs_Per_Over  
from ball_by_ball  
group by Team_Batting;
```

OUTPUT-

| Team_Batting | Avg_Runs_Per_Over |
|--------------|-------------------|
| 6            | 1.2055            |
| 1            | 1.2685            |
| 2            | 1.3836            |
| 7            | 1.2992            |
| 11           | 1.2260            |
| 10           | 1.1388            |
| 5            | 1.2614            |
| 3            | 1.3063            |
| 4            | 1.2934            |
| 12           | 1.2840            |
| 13           | 1.2694            |

-- Run Rate in Powerplays vs. Middle and Death Overs:

```
select Team_Batting,  
       avg(case when Over_Id <= 6 then Runs_Scored else 0 end) as  
             Powerplay_Run_Rate,  
       avg(case when Over_Id BETWEEN 7 and 15 then Runs_Scored  
             else 0 end ) as Middle_Over_Run_Rate,
```

```

    avg(case when Over_Id > 15 then Runs_Scored else 0 end) as
Death_Over_Run_Rate
from ball_by_ball
group by Team_Batting;

```

#### OUTPUT-

| Team_Batting | Powerplay_Run_Rate | Middle_Over_Run_Rate | Death_Over_Run_Rate |
|--------------|--------------------|----------------------|---------------------|
| 6            | 0.3278             | 0.5320               | 0.3241              |
| 1            | 0.3729             | 0.5526               | 0.3187              |
| 2            | 0.3731             | 0.6016               | 0.3862              |
| 7            | 0.3356             | 0.5603               | 0.3789              |
| 11           | 0.3594             | 0.5056               | 0.3391              |
| 10           | 0.3318             | 0.4868               | 0.3106              |
| 5            | 0.3347             | 0.5574               | 0.3494              |
| 3            | 0.3768             | 0.5388               | 0.3689              |
| 4            | 0.3760             | 0.5583               | 0.3368              |
| 12           | 0.3891             | 0.5473               | 0.3202              |
| 13           | 0.4002             | 0.5493               | 0.2910              |

#### -- Boundary Percentage

```

select Team_Batting,
       (sum(case when Runs_Scored = 4 then 1 when Runs_Scored =
6 then 1 else 0 end) * 100) / count(*) as Boundary_Percentage
from ball_by_ball
group by Team_Batting;

```

#### OUTPUT-

| Team_Batting | Boundary_Percentage |
|--------------|---------------------|
| 6            | 14.6703             |
| 1            | 15.8967             |
| 2            | 18.2528             |
| 7            | 16.6925             |
| 11           | 14.5413             |
| 10           | 13.6972             |
| 5            | 15.5277             |
| 3            | 16.2096             |
| 4            | 16.1979             |
| 12           | 15.1266             |
| 13           | 16.1290             |

-- Bowling Strategy KPIs:

-- Bowling Phase Strategy (Economy Rates in Different Phases):

select Team\_Bowling,

avg(case when Over\_Id <= 6 then Runs\_Scored else 0 end) as Powerplay\_Economy\_Rate,

avg(case when Over\_Id between 7 and 15 then Runs\_Scored else 0 end) as Middle\_Over\_Economy\_Rate,

avg(case when Over\_Id > 15 then Runs\_Scored else 0 end) as Death\_Over\_Economy\_Rate

from Ball\_by\_Ball

group by Team\_Bowling;

OUTPUT-

| Team_Bowling | Powerplay_Economy_Rate | Middle_Over_Economy_Rate | Death_Over_Economy_Rate |
|--------------|------------------------|--------------------------|-------------------------|
| 1            | 0.3424                 | 0.5425                   | 0.3395                  |
| 6            | 0.3661                 | 0.5386                   | 0.3550                  |
| 7            | 0.3519                 | 0.5577                   | 0.3391                  |
| 2            | 0.3795                 | 0.5605                   | 0.3423                  |
| 10           | 0.3263                 | 0.5429                   | 0.3877                  |
| 11           | 0.3483                 | 0.5558                   | 0.3284                  |
| 5            | 0.3383                 | 0.5265                   | 0.3547                  |
| 3            | 0.3554                 | 0.5457                   | 0.3358                  |
| 4            | 0.3833                 | 0.5612                   | 0.3496                  |
| 12           | 0.3911                 | 0.4981                   | 0.3661                  |
| 13           | 0.3616                 | 0.5704                   | 0.3938                  |

-- Fielding Efficiency (Catches and Run Outs):

```
select Team_Batting, sum(case when Runs_Scored is null then 1
else 0 end) as Fielding_Efficiency
from ball_by_ball
group by Team_Batting;
```

OUTPUT-

| Team_Batting | Fielding_Efficiency |
|--------------|---------------------|
| 6            | 187                 |
| 1            | 200                 |
| 2            | 173                 |
| 7            | 213                 |
| 11           | 196                 |
| 10           | 25                  |
| 5            | 130                 |
| 3            | 153                 |
| 4            | 190                 |
| 12           | 52                  |
| 13           | 65                  |

-- Match strategy KPI's:

```
select Toss_Decide, count(*) as Number_of_Matches,  
      sum(case when Match_Winner = Toss_Winner then 1 else 0  
            end) as Matches_Won_After_Toss_Decision  
   from matches  
  group by Toss_Decide;
```

OUTPUT-

| Toss_Decide | Number_of_Matches | Matches_Won_After_Toss_Decision |
|-------------|-------------------|---------------------------------|
| 1           | 155               | 85                              |
| 2           | 100               | 43                              |

-- Batting Hand Strategy:

```
select Batting_hand, sum(Runs_Scored) as Total_Runs,  
      count(distinct Player_Id) as Number_of_Batsmen  
   from Player  
  join Ball_by_Ball on Player.Player_Id = Ball_by_Ball.Striker  
 group by Batting_hand;
```

OUTPUT-

| Batting_hand | Total_Runs | Number_of_Batsmen |
|--------------|------------|-------------------|
| 1            | 22835      | 71                |
| 2            | 51977      | 188               |

-- Extra Runs Strategy:

```
select sum(Extra_Runs) as Total_Extra_Runs
from Extra_Runs
where Match_Id in (select Match_Id from Matches where
Team_1 = 1 or Team_2 = 1);
```

OUTPUT-

| Total_Extra_Runs |
|------------------|
| 967              |

-- Win Margin Strategy:

```
select Win_Type, avg(Win_Margin) as Avg_Win_Margin
from matches
group by Win_Type;
```

OUTPUT-

| Win_Type | Avg_Win_Margin |
|----------|----------------|
| 2        | 6.1606         |
| 1        | 30.4554        |
| 4        | NULL           |
| 3        | NULL           |

-- Man of the Match Strategy:

```
select Player_Name, count(*) as
Number_of_Times_Man_of_the_Match
from matches
join Player on Matches.Man_of_the_Match = Player.Player_Id
group by Player_Name;
```

OUTPUT-

| Player_Name | Number_of_Times_Man_of_the_Match |
|-------------|----------------------------------|
| SP Narine   | 1                                |
| CH Gayle    | 5                                |
| A Mishra    | 5                                |
| R Dravid    | 1                                |
| KA Pollard  | 4                                |
| M Vohra     | 3                                |
| GH Vihari   | 2                                |
| SK Trivedi  | 1                                |
| KD Karthik  | 1                                |
| MEK Hussey  | 7                                |
| AJ Finch    | 5                                |
| RG Sharma   | 8                                |
| RA Jadeja   | 6                                |
| G Gambhir   | 5                                |

| Player_Name   | Number_of_Times_Man_of_the_Match |
|---------------|----------------------------------|
| JP Faulkner   | 5                                |
| SPD Smith     | 2                                |
| MS Gony       | 1                                |
| V Kohli       | 9                                |
| AM Rahane     | 10                               |
| R Vinay Kumar | 1                                |
| V Sehwag      | 2                                |
| DA Miller     | 3                                |
| DR Smith      | 7                                |
| MS Dhoni      | 5                                |
| JH Kallis     | 3                                |
| DA Warner     | 11                               |
| SV Samson     | 2                                |
| I Sharma      | 1                                |

| Player_Name    | Number_of_Times_Man_of_the_Match |
|----------------|----------------------------------|
| SK Raina       | 7                                |
| AB de Villiers | 9                                |
| YK Pathan      | 4                                |
| DJG Sammy      | 1                                |
| AC Gilchrist   | 1                                |
| MG Johnson     | 2                                |
| SR Tendulkar   | 1                                |
| KK Cooper      | 1                                |
| JD Unadkat     | 1                                |
| PA Patel       | 4                                |
| SR Watson      | 3                                |
| Harmeet Singh  | 1                                |
| MK Pandey      | 2                                |
| AP Tare        | 1                                |

| Player_Name    | Number_of_Times_Man_of_the_Match |
|----------------|----------------------------------|
| Azhar Mahm...  | 1                                |
| LJ Wright      | 1                                |
| BJ Hodge       | 1                                |
| Harbhajan S... | 3                                |
| YS Chahal      | 1                                |
| GJ Maxwell     | 4                                |
| JP Duminy      | 2                                |
| CA Lynn        | 1                                |
| MM Sharma      | 1                                |
| PV Tambe       | 2                                |
| Sandeep Sh...  | 3                                |
| M Vijay        | 1                                |
| B Kumar        | 4                                |
| CJ Anderson    | 2                                |
| KK Nair        | 2                                |

| Player_Name  | Number_of_Times_Man_of_the_Match |
|--------------|----------------------------------|
| DW Steyn     | 1                                |
| AT Rayudu    | 2                                |
| Yuvraj Singh | 1                                |
| WP Saha      | 1                                |
| RV Uthappa   | 4                                |
| UT Yadav     | 4                                |
| AR Patel     | 3                                |
| LMP Simmons  | 2                                |
| SE Marsh     | 2                                |
| M Morkel     | 1                                |
| A Nehra      | 4                                |
| BB McCullum  | 2                                |
| DJ Hooda     | 1                                |
| GJ Bailey    | 1                                |
| AD Russell   | 6                                |

| Player_Name    | Number_of_Times_Man_of_the_Match |
|----------------|----------------------------------|
| MA Agarwal     | 1                                |
| SS Iyer        | 1                                |
| MA Starc       | 1                                |
| SL Malinga     | 1                                |
| VR Aaron       | 1                                |
| TA Boult       | 1                                |
| PP Chawla      | 1                                |
| DJ Bravo       | 1                                |
| NM Coulter-... | 1                                |
| Mandeep Si...  | 1                                |
| EJG Morgan     | 1                                |
| HH Pandya      | 2                                |
| MC Henriques   | 2                                |
| Z Khan         | 1                                |
| P Negi         | 1                                |

| Player_Name     | Number_of_Times_Man_of_the_Match |
|-----------------|----------------------------------|
| P Negi          | 1                                |
| MJ McClena...   | 1                                |
| Q de Kock       | 1                                |
| Mustafizur R... | 1                                |
| SA Yadav        | 1                                |
| AB Dinda        | 2                                |
| CH Morris       | 2                                |
| CR Brathwaite   | 1                                |
| RR Pant         | 1                                |
| MP Stoinis      | 2                                |
| P Kumar         | 1                                |
| A Zampa         | 1                                |
| KH Pandya       | 2                                |
| HM Amla         | 1                                |
| BCJ Cutting     | 1                                |

-- These queries generate multiple KPIs to evaluate team performance and strategy in cricket:

### **Batting Performance KPIs:**

1. **Average Runs Per Over:** Calculates the average runs scored by each team per over.
2. **Run Rate in Different Phases:** Compares run rates during powerplays, middle overs, and death overs.
3. **Boundary Percentage:** Measures the percentage of runs scored through boundaries (fours and sixes).

### **Bowling Strategy KPIs:**

4. **Bowling Economy Rates:** Analyzes economy rates in different phases of the game.
5. **Fielding Efficiency:** Measures fielding efficiency based on catches and run outs.

### **Match Strategy KPIs:**

6. **Toss Decision Impact:** Analyzes the impact of toss decisions on match outcomes.
7. **Batting Hand Strategy:** Evaluates performance based on batting hand (left or right).
8. **Extra Runs Strategy:** Calculates total extra runs awarded in matches.
9. **Win Margin Analysis:** Analyzes average win margins based on win types.

10. **Man of the Match Analysis:** Counts the number of times each player has been awarded "Man of the Match."

These KPIs provide valuable insights into various aspects of team performance, helping to inform strategy and decision-making.

13. Using SQL, write a query to find out the average wickets taken by each bowler in each venue. Also, rank the gender according to the average value.

```
Ans- select p.Player_Name, v.Venue_Name,  
avg(w.Total_Wickets) as Average_Wickets,  
rank() over (partition by v.Venue_Name order by  
avg(w.Total_Wickets) desc) as `Rank`  
from (select Match_Id, Player_Out, count(*) as Total_Wickets  
from Wicket_Taken  
group by Match_Id, Player_Out) w  
join Player p on w.Player_Out = p.Player_Id  
join Matches m on w.Match_Id = m.Match_Id  
join Venue v on m.Venue_Id = v.Venue_Id  
group by p.Player_Name, v.Venue_Name  
order by v.Venue_Name, Average_Wickets desc;
```

OUTPUT-

| Player_Name     | Venue_Name         | Average_Wickets | Rank |
|-----------------|--------------------|-----------------|------|
| MK Pandey       | Barabati Stadium   | 1.0000          | 1    |
| F du Plessis    | Barabati Stadium   | 1.0000          | 1    |
| MS Dhoni        | Barabati Stadium   | 1.0000          | 1    |
| MG Johnson      | Barabati Stadium   | 1.0000          | 1    |
| RA Jadeja       | Barabati Stadium   | 1.0000          | 1    |
| DA Miller       | Barabati Stadium   | 1.0000          | 1    |
| BB McCullum     | Barabati Stadium   | 1.0000          | 1    |
| V Sehwag        | Barabati Stadium   | 1.0000          | 1    |
| AR Patel        | Barabati Stadium   | 1.0000          | 1    |
| CM Gautam       | Barabati Stadium   | 1.0000          | 1    |
| LMP Simmons     | Barabati Stadium   | 1.0000          | 1    |
| G Gambhir       | Barabati Stadium   | 1.0000          | 1    |
| CJ Anderson     | Barabati Stadium   | 1.0000          | 1    |
| Shakib Al Ha... | Barabati Stadium   | 1.0000          | 1    |
| RG Sharma       | Barabati Stadium   | 1.0000          | 1    |
| Player_Name     | Venue_Name         | Average_Wickets | Rank |
| SK Raina        | Barabati Stadium   | 1.0000          | 1    |
| DR Smith        | Barabati Stadium   | 1.0000          | 1    |
| RV Uthappa      | Barabati Stadium   | 1.0000          | 1    |
| WP Saha         | Barabati Stadium   | 1.0000          | 1    |
| Mandeep Si...   | Barabati Stadium   | 1.0000          | 1    |
| GJ Maxwell      | Barabati Stadium   | 1.0000          | 1    |
| AT Rayudu       | Barabati Stadium   | 1.0000          | 1    |
| R Dhawan        | Barabati Stadium   | 1.0000          | 1    |
| MEK Hussey      | Brabourne Stadi... | 1.0000          | 1    |
| CJ Anderson     | Brabourne Stadi... | 1.0000          | 1    |
| MK Pandey       | Brabourne Stadi... | 1.0000          | 1    |
| CH Morris       | Brabourne Stadi... | 1.0000          | 1    |
| Shakib Al Ha... | Brabourne Stadi... | 1.0000          | 1    |
| Azhar Mahm...   | Brabourne Stadi... | 1.0000          | 1    |
| YK Pathan       | Brabourne Stadi... | 1.0000          | 1    |

| Player_Name | Venue_Name         | Average_Wickets | Rank |
|-------------|--------------------|-----------------|------|
| SA Yadav    | Brabourne Stadi... | 1.0000          | 1    |
| AD Russell  | Brabourne Stadi... | 1.0000          | 1    |
| LMP Simmons | Brabourne Stadi... | 1.0000          | 1    |
| RG Sharma   | Brabourne Stadi... | 1.0000          | 1    |
| PP Chawla   | Brabourne Stadi... | 1.0000          | 1    |
| RV Uthappa  | Brabourne Stadi... | 1.0000          | 1    |
| KA Pollard  | Brabourne Stadi... | 1.0000          | 1    |
| AP Tare     | Brabourne Stadi... | 1.0000          | 1    |
| AT Rayudu   | Brabourne Stadi... | 1.0000          | 1    |
| P Kumar     | Brabourne Stadi... | 1.0000          | 1    |
| G Gambhir   | Brabourne Stadi... | 1.0000          | 1    |
| SS Iyer     | Brabourne Stadi... | 1.0000          | 1    |
| SR Watson   | Brabourne Stadi... | 1.0000          | 1    |
| KM Jadhav   | Brabourne Stadi... | 1.0000          | 1    |
| JP Faulkner | Brabourne Stadi... | 1.0000          | 1    |

| Player_Name  | Venue_Name         | Average_Wickets | Rank |
|--------------|--------------------|-----------------|------|
| JP Duminy    | Brabourne Stadi... | 1.0000          | 1    |
| SV Samson    | Brabourne Stadi... | 1.0000          | 1    |
| Yuvraj Singh | Brabourne Stadi... | 1.0000          | 1    |
| EJG Morgan   | Brabourne Stadi... | 1.0000          | 1    |
| KK Nair      | Brabourne Stadi... | 1.0000          | 1    |
| MA Agarwal   | Brabourne Stadi... | 1.0000          | 1    |
| DJ Hooda     | Brabourne Stadi... | 1.0000          | 1    |
| DR Smith     | Brabourne Stadi... | 1.0000          | 1    |
| F du Plessis | Brabourne Stadi... | 1.0000          | 1    |
| BB McCullum  | Brabourne Stadi... | 1.0000          | 1    |
| MC Henriques | Brabourne Stadi... | 1.0000          | 1    |
| DA Warner    | Brabourne Stadi... | 1.0000          | 1    |
| AM Rahane    | Brabourne Stadi... | 1.0000          | 1    |
| N Rana       | Dr. Y.S. Rajase... | 1.0000          | 1    |
| UBT Chand    | Dr. Y.S. Rajase... | 1.0000          | 1    |
| A Zampa      | Dr. Y.S. Rajase... | 1.0000          | 1    |
| B Kumar      | Dr. Y.S. Rajase... | 1.0000          | 1    |
| MS Dhoni     | Dr. Y.S. Rajase... | 1.0000          | 1    |
| NLTC Perera  | Dr. Y.S. Rajase... | 1.0000          | 1    |
| DJ Hooda     | Dr. Y.S. Rajase... | 1.0000          | 1    |

| Player_Name  | Venue_Name         | Average_Wickets | Rank |
|--------------|--------------------|-----------------|------|
| DR Smith     | Brabourne Stadi... | 1.0000          | 1    |
| F du Plessis | Brabourne Stadi... | 1.0000          | 1    |
| BB McCullum  | Brabourne Stadi... | 1.0000          | 1    |
| MC Henriques | Brabourne Stadi... | 1.0000          | 1    |
| DA Warner    | Brabourne Stadi... | 1.0000          | 1    |
| AM Rahane    | Brabourne Stadi... | 1.0000          | 1    |
| N Rana       | Dr. Y.S. Rajase... | 1.0000          | 1    |
| UBT Chand    | Dr. Y.S. Rajase... | 1.0000          | 1    |
| A Zampa      | Dr. Y.S. Rajase... | 1.0000          | 1    |
| B Kumar      | Dr. Y.S. Rajase... | 1.0000          | 1    |
| MS Dhoni     | Dr. Y.S. Rajase... | 1.0000          | 1    |
| NLTC Perera  | Dr. Y.S. Rajase... | 1.0000          | 1    |
| DJ Hooda     | Dr. Y.S. Rajase... | 1.0000          | 1    |
| MC Henriques | Dr. Y.S. Rajase... | 1.0000          | 1    |
| SS Tiwary    | Dr. Y.S. Rajase... | 1.0000          | 1    |
| R Ashwin     | Dr. Y.S. Rajase... | 1.0000          | 1    |
| RS Bopara    | Dr. Y.S. Rajase... | 1.0000          | 1    |
| Yuvraj Singh | Dr. Y.S. Rajase... | 1.0000          | 1    |
| YK Pathan    | Dr. Y.S. Rajase... | 1.0000          | 1    |
| GJ Bailey    | Dr. Y.S. Rajase... | 1.0000          | 1    |

| Player_Name    | Venue_Name         | Average_Wickets | Rank |
|----------------|--------------------|-----------------|------|
| UT Khawaja     | Dr. Y.S. Rajase... | 1.0000          | 1    |
| JJ Bumrah      | Dr. Y.S. Rajase... | 1.0000          | 1    |
| MJ McClenan... | Dr. Y.S. Rajase... | 1.0000          | 1    |
| KS Williamson  | Dr. Y.S. Rajase... | 1.0000          | 1    |
| TG Southee     | Dr. Y.S. Rajase... | 1.0000          | 1    |
| KA Pollard     | Dr. Y.S. Rajase... | 1.0000          | 1    |
| JC Buttler     | Dr. Y.S. Rajase... | 1.0000          | 1    |
| AT Rayudu      | Dr. Y.S. Rajase... | 1.0000          | 1    |
| RG Sharma      | Dr. Y.S. Rajase... | 1.0000          | 1    |
| PA Patel       | Dr. Y.S. Rajase... | 1.0000          | 1    |
| AD Russell     | Dr. Y.S. Rajase... | 1.0000          | 1    |
| RV Uthappa     | Dr. Y.S. Rajase... | 1.0000          | 1    |
| G Gambhir      | Dr. Y.S. Rajase... | 1.0000          | 1    |
| KH Pandya      | Dr. Y.S. Rajase... | 1.0000          | 1    |
| MA Agarwal     | Dr. Y.S. Rajase... | 1.0000          | 1    |
| SS Iyer        | Dr. Y.S. Rajase... | 1.0000          | 1    |
| SPD Smith      | Dr. Y.S. Rajase... | 1.0000          | 1    |
| SV Samson      | Dr. Y.S. Rajase... | 1.0000          | 1    |
| JP Duminy      | Dr. Y.S. Rajase... | 1.0000          | 1    |
| KV Sharma      | Dr. Y.S. Rajase... | 1.0000          | 1    |

| Player_Name     | Venue_Name         | Average_Wickets | Rank |
|-----------------|--------------------|-----------------|------|
| A Ashish Re...  | Dr. Y.S. Rajase... | 1.0000          | 1    |
| KK Nair         | Dr. Y.S. Rajase... | 1.0000          | 1    |
| Gurkeerat Si... | Dr. Y.S. Rajase... | 1.0000          | 1    |
| HH Pandya       | Dr. Y.S. Rajase... | 1.0000          | 1    |
| M Vijay         | Dr. Y.S. Rajase... | 1.0000          | 1    |
| IK Pathan       | Dr. Y.S. Rajase... | 1.0000          | 1    |
| Z Khan          | Dr. Y.S. Rajase... | 1.0000          | 1    |
| HM Amla         | Dr. Y.S. Rajase... | 1.0000          | 1    |
| NV Ojha         | Dr. Y.S. Rajase... | 1.0000          | 1    |
| Imran Tahir     | Dr. Y.S. Rajase... | 1.0000          | 1    |
| AR Patel        | Dr. Y.S. Rajase... | 1.0000          | 1    |
| CH Morris       | Dr. Y.S. Rajase... | 1.0000          | 1    |
| KL Rahul        | Dr. Y.S. Rajase... | 1.0000          | 1    |
| DA Warner       | Dr. Y.S. Rajase... | 1.0000          | 1    |
| S Dhawan        | Dr. Y.S. Rajase... | 1.0000          | 1    |
| A Mishra        | Dr. Y.S. Rajase... | 1.0000          | 1    |
| MJ Guptill      | Dr. Y.S. Rajase... | 1.0000          | 1    |
| RR Pant         | Dr. Y.S. Rajase... | 1.0000          | 1    |
| EJG Morgan      | Dr. Y.S. Rajase... | 1.0000          | 1    |
| Q de Kock       | Dr. Y.S. Rajase... | 1.0000          | 1    |

| Player_Name    | Venue_Name          | Average_Wickets | Rank |
|----------------|---------------------|-----------------|------|
| GJ Maxwell     | Dr. Y.S. Rajase...  | 1.0000          | 1    |
| WP Saha        | Dr. Y.S. Rajase...  | 1.0000          | 1    |
| AM Rahane      | Dr. Y.S. Rajase...  | 1.0000          | 1    |
| DA Miller      | Dr. Y.S. Rajase...  | 1.0000          | 1    |
| F Behardien    | Dr. Y.S. Rajase...  | 1.0000          | 1    |
| SK Raina       | Dubai Internatio... | 1.0000          | 1    |
| F du Plessis   | Dubai Internatio... | 1.0000          | 1    |
| STR Binny      | Dubai Internatio... | 1.0000          | 1    |
| MS Dhoni       | Dubai Internatio... | 1.0000          | 1    |
| SPD Smith      | Dubai Internatio... | 1.0000          | 1    |
| LRPL Taylor    | Dubai Internatio... | 1.0000          | 1    |
| TG Southee     | Dubai Internatio... | 1.0000          | 1    |
| M Manhas       | Dubai Internatio... | 1.0000          | 1    |
| DA Warner      | Dubai Internatio... | 1.0000          | 1    |
| KP Pietersen   | Dubai Internatio... | 1.0000          | 1    |
| AB de Villiers | Dubai Internatio... | 1.0000          | 1    |
| MA Agarwal     | Dubai Internatio... | 1.0000          | 1    |
| G Gambhir      | Dubai Internatio... | 1.0000          | 1    |
| JP Faulkner    | Dubai Internatio... | 1.0000          | 1    |
| JH Kallis      | Dubai Internatio... | 1.0000          | 1    |

| Player_Name    | Venue_Name          | Average_Wickets | Rank |
|----------------|---------------------|-----------------|------|
| DA Miller      | Dubai Internatio... | 1.0000          | 1    |
| GJ Maxwell     | Dubai Internatio... | 1.0000          | 1    |
| SL Malinga     | Dubai Internatio... | 1.0000          | 1    |
| Harbhajan S... | Dubai Internatio... | 1.0000          | 1    |
| Z Khan         | Dubai Internatio... | 1.0000          | 1    |
| CJ Anderson    | Dubai Internatio... | 1.0000          | 1    |
| AT Rayudu      | Dubai Internatio... | 1.0000          | 1    |
| KA Pollard     | Dubai Internatio... | 1.0000          | 1    |
| RG Sharma      | Dubai Internatio... | 1.0000          | 1    |
| AP Tare        | Dubai Internatio... | 1.0000          | 1    |
| V Sehwag       | Dubai Internatio... | 1.0000          | 1    |
| Yuvraj Singh   | Dubai Internatio... | 1.0000          | 1    |
| V Kohli        | Dubai Internatio... | 1.0000          | 1    |
| NJ Maddinson   | Dubai Internatio... | 1.0000          | 1    |
| JA Morkel      | Dubai Internatio... | 1.0000          | 1    |
| MA Starc       | Dubai Internatio... | 1.0000          | 1    |
| YK Pathan      | Dubai Internatio... | 1.0000          | 1    |
| JDS Neesham    | Dubai Internatio... | 1.0000          | 1    |
| RV Uthappa     | Dubai Internatio... | 1.0000          | 1    |
| BR Dunk        | Dubai Internatio... | 1.0000          | 1    |

| Player_Name | Venue_Name          | Average_Wickets | Rank |
|-------------|---------------------|-----------------|------|
| MK Tiwary   | Dubai Internatio... | 1.0000          | 1    |
| KD Karthik  | Dubai Internatio... | 1.0000          | 1    |
| MK Pandey   | Dubai Internatio... | 1.0000          | 1    |
| WP Saha     | Dubai Internatio... | 1.0000          | 1    |
| CA Pujara   | Dubai Internatio... | 1.0000          | 1    |
| Q de Kock   | Dubai Internatio... | 1.0000          | 1    |
| AM Nayar    | Dubai Internatio... | 1.0000          | 1    |
| AM Rahane   | Dubai Internatio... | 1.0000          | 1    |
| CH Gayle    | Dubai Internatio... | 1.0000          | 1    |
| YV Takawale | Dubai Internatio... | 1.0000          | 1    |
| PA Patel    | Dubai Internatio... | 1.0000          | 1    |
| BB McCullum | Dubai Internatio... | 1.0000          | 1    |
| S Dhawan    | Dubai Internatio... | 1.0000          | 1    |
| DJG Sammy   | Dubai Internatio... | 1.0000          | 1    |
| KL Rahul    | Dubai Internatio... | 1.0000          | 1    |
| SR Watson   | Dubai Internatio... | 1.0000          | 1    |
| MEK Hussey  | Dubai Internatio... | 1.0000          | 1    |
| AJ Finch    | Dubai Internatio... | 1.0000          | 1    |
| PV Tambe    | Dubai Internatio... | 1.0000          | 1    |
| R Bhatia    | Dubai Internatio... | 1.0000          | 1    |

| Player_Name  | Venue_Name          | Average_Wickets | Rank |
|--------------|---------------------|-----------------|------|
| SV Samson    | Dubai Internatio... | 1.0000          | 1    |
| DR Smith     | Dubai Internatio... | 1.0000          | 1    |
| M Vijay      | Dubai Internatio... | 1.0000          | 1    |
| MC Juneja    | Eden Gardens        | 1.0000          | 1    |
| NV Ojha      | Eden Gardens        | 1.0000          | 1    |
| G Gambhir    | Eden Gardens        | 1.0000          | 1    |
| J Botha      | Eden Gardens        | 1.0000          | 1    |
| MK Tiwary    | Eden Gardens        | 1.0000          | 1    |
| IK Pathan    | Eden Gardens        | 1.0000          | 1    |
| AD Russell   | Eden Gardens        | 1.0000          | 1    |
| DPMD Jaya... | Eden Gardens        | 1.0000          | 1    |
| A Nehra      | Eden Gardens        | 1.0000          | 1    |
| S Nadeem     | Eden Gardens        | 1.0000          | 1    |
| AD Mathews   | Eden Gardens        | 1.0000          | 1    |
| JP Duminy    | Eden Gardens        | 1.0000          | 1    |
| PP Chawla    | Eden Gardens        | 1.0000          | 1    |
| KM Jadhav    | Eden Gardens        | 1.0000          | 1    |
| SS Iyer      | Eden Gardens        | 1.0000          | 1    |
| BB McCullum  | Eden Gardens        | 1.0000          | 1    |
| RV Uthappa   | Eden Gardens        | 1.0000          | 1    |
| F du Plessis | Eden Gardens        | 1.0000          | 1    |
| SL Malinga   | Eden Gardens        | 1.0000          | 1    |
| MG Johnson   | Eden Gardens        | 1.0000          | 1    |

| Player_Name     | Venue_Name   | Average_Wickets | Rank |
|-----------------|--------------|-----------------|------|
| R Dhawan        | Eden Gardens | 1.0000          | 1    |
| Harbhajan S...  | Eden Gardens | 1.0000          | 1    |
| CH Morris       | Eden Gardens | 1.0000          | 1    |
| JA Morkel       | Eden Gardens | 1.0000          | 1    |
| RA Jadeja       | Eden Gardens | 1.0000          | 1    |
| DJ Bravo        | Eden Gardens | 1.0000          | 1    |
| AT Rayudu       | Eden Gardens | 1.0000          | 1    |
| KK Cooper       | Eden Gardens | 1.0000          | 1    |
| STR Binny       | Eden Gardens | 1.0000          | 1    |
| R Dravid        | Eden Gardens | 1.0000          | 1    |
| AP Tare         | Eden Gardens | 1.0000          | 1    |
| CH Gayle        | Eden Gardens | 1.0000          | 1    |
| MK Pandey       | Eden Gardens | 1.0000          | 1    |
| V Kohli         | Eden Gardens | 1.0000          | 1    |
| YV Takawale     | Eden Gardens | 1.0000          | 1    |
| Yuvraj Singh    | Eden Gardens | 1.0000          | 1    |
| AB de Villiers  | Eden Gardens | 1.0000          | 1    |
| Shakib Al Ha... | Eden Gardens | 1.0000          | 1    |
| RN ten Does...  | Eden Gardens | 1.0000          | 1    |
| S Dhawan        | Eden Gardens | 1.0000          | 1    |
| Y Venugopal...  | Eden Gardens | 1.0000          | 1    |
| S Anirudha      | Eden Gardens | 1.0000          | 1    |
| C Munro         | Eden Gardens | 1.0000          | 1    |

| Player_Name    | Venue_Name   | Average_Wickets | Rank |
|----------------|--------------|-----------------|------|
| JC Buttler     | Eden Gardens | 1.0000          | 1    |
| MJ McClenan... | Eden Gardens | 1.0000          | 1    |
| JO Holder      | Eden Gardens | 1.0000          | 1    |
| DJG Sammy      | Eden Gardens | 1.0000          | 1    |
| V Sehwag       | Eden Gardens | 1.0000          | 1    |
| Z Khan         | Eden Gardens | 1.0000          | 1    |
| A Mishra       | Eden Gardens | 1.0000          | 1    |
| CR Brathwaite  | Eden Gardens | 1.0000          | 1    |
| KK Nair        | Eden Gardens | 1.0000          | 1    |
| MA Agarwal     | Eden Gardens | 1.0000          | 1    |
| Q de Kock      | Eden Gardens | 1.0000          | 1    |
| HH Pandya      | Eden Gardens | 1.0000          | 1    |
| SA Abbott      | Eden Gardens | 1.0000          | 1    |
| LMP Simmons    | Eden Gardens | 1.0000          | 1    |
| GJ Maxwell     | Eden Gardens | 1.0000          | 1    |
| WP Saha        | Eden Gardens | 1.0000          | 1    |
| AR Patel       | Eden Gardens | 1.0000          | 1    |
| SA Yadav       | Eden Gardens | 1.0000          | 1    |
| GJ Bailey      | Eden Gardens | 1.0000          | 1    |
| PA Patel       | Eden Gardens | 1.0000          | 1    |
| CL White       | Eden Gardens | 1.0000          | 1    |
| KC Sangakkara  | Eden Gardens | 1.0000          | 1    |
| DB Ravi Teja   | Eden Gardens | 1.0000          | 1    |

| Player_Name     | Venue_Name   | Average_Wickets | Rank |
|-----------------|--------------|-----------------|------|
| A Ashish Re...  | Eden Gardens | 1.0000          | 1    |
| NLTC Perera     | Eden Gardens | 1.0000          | 1    |
| EJG Morgan      | Eden Gardens | 1.0000          | 1    |
| GH Vihari       | Eden Gardens | 1.0000          | 1    |
| Gurkeerat Si... | Eden Gardens | 1.0000          | 1    |
| GB Hogg         | Eden Gardens | 1.0000          | 1    |
| AJ Finch        | Eden Gardens | 1.0000          | 1    |
| P Kumar         | Eden Gardens | 1.0000          | 1    |
| KV Sharma       | Eden Gardens | 1.0000          | 1    |
| MC Henriques    | Eden Gardens | 1.0000          | 1    |
| UBT Chand       | Eden Gardens | 1.0000          | 1    |
| R Ashwin        | Eden Gardens | 1.0000          | 1    |
| M Vijay         | Eden Gardens | 1.0000          | 1    |
| YK Pathan       | Eden Gardens | 1.0000          | 1    |
| SK Raina        | Eden Gardens | 1.0000          | 1    |
| MS Dhoni        | Eden Gardens | 1.0000          | 1    |
| DB Das          | Eden Gardens | 1.0000          | 1    |
| R Bhatia        | Eden Gardens | 1.0000          | 1    |
| S Badrinath     | Eden Gardens | 1.0000          | 1    |
| LR Shukla       | Eden Gardens | 1.0000          | 1    |
| MEK Hussey      | Eden Gardens | 1.0000          | 1    |
| SP Narine       | Eden Gardens | 1.0000          | 1    |
| P Negi          | Eden Gardens | 1.0000          | 1    |

| Player_Name   | Venue_Name   | Average_Wickets | Rank |
|---------------|--------------|-----------------|------|
| MM Sharma     | Eden Gardens | 1.0000          | 1    |
| AM Rahane     | Eden Gardens | 1.0000          | 1    |
| JP Faulkner   | Eden Gardens | 1.0000          | 1    |
| SR Watson     | Eden Gardens | 1.0000          | 1    |
| DH Yagnik     | Eden Gardens | 1.0000          | 1    |
| SV Samson     | Eden Gardens | 1.0000          | 1    |
| SR Tendulkar  | Eden Gardens | 1.0000          | 1    |
| KD Karthik    | Eden Gardens | 1.0000          | 1    |
| DR Smith      | Eden Gardens | 1.0000          | 1    |
| RG Sharma     | Eden Gardens | 1.0000          | 1    |
| KA Pollard    | Eden Gardens | 1.0000          | 1    |
| Mandeep Si... | Eden Gardens | 1.0000          | 1    |
| AC Gilchrist  | Eden Gardens | 1.0000          | 1    |
| M Vohra       | Eden Gardens | 1.0000          | 1    |
| DA Miller     | Eden Gardens | 1.0000          | 1    |
| DJ Hussey     | Eden Gardens | 1.0000          | 1    |
| Azhar Mahm... | Eden Gardens | 1.0000          | 1    |
| OA Shah       | Eden Gardens | 1.0000          | 1    |
| MP Stoinis    | Eden Gardens | 1.0000          | 1    |
| Swapnil Singh | Eden Gardens | 1.0000          | 1    |
| Bipul Sharma  | Eden Gardens | 1.0000          | 1    |
| UT Khawaja    | Eden Gardens | 1.0000          | 1    |
| SS Tiwary     | Eden Gardens | 1.0000          | 1    |

| Player_Name   | Venue_Name       | Average_Wickets | Rank |
|---------------|------------------|-----------------|------|
| MS Bisla      | Eden Gardens     | 1.0000          | 1    |
| DA Warner     | Eden Gardens     | 1.0000          | 1    |
| JH Kallis     | Eden Gardens     | 1.0000          | 1    |
| DJ Hooda      | Eden Gardens     | 1.0000          | 1    |
| KS Williamson | Eden Gardens     | 1.0000          | 1    |
| B Kumar       | Eden Gardens     | 1.0000          | 1    |
| KK Nair       | Feroz Shah Kotla | 1.0000          | 1    |
| SS Iyer       | Feroz Shah Kotla | 1.0000          | 1    |
| Yuvraj Singh  | Feroz Shah Kotla | 1.0000          | 1    |
| LR Shukla     | Feroz Shah Kotla | 1.0000          | 1    |
| BB McCullum   | Feroz Shah Kotla | 1.0000          | 1    |
| JP Duminy     | Feroz Shah Kotla | 1.0000          | 1    |
| R Bhatia      | Feroz Shah Kotla | 1.0000          | 1    |
| AP Tare       | Feroz Shah Kotla | 1.0000          | 1    |
| KH Pandya     | Feroz Shah Kotla | 1.0000          | 1    |
| PP Chawla     | Feroz Shah Kotla | 1.0000          | 1    |
| YK Pathan     | Feroz Shah Kotla | 1.0000          | 1    |
| CH Morris     | Feroz Shah Kotla | 1.0000          | 1    |
| JO Holder     | Feroz Shah Kotla | 1.0000          | 1    |
| SP Narine     | Feroz Shah Kotla | 1.0000          | 1    |
| DJ Hooda      | Feroz Shah Kotla | 1.0000          | 1    |
| JP Faulkner   | Feroz Shah Kotla | 1.0000          | 1    |
| MK Pandey     | Feroz Shah Kotla | 1.0000          | 1    |

| Player_Name    | Venue_Name       | Average_Wickets | Rank |
|----------------|------------------|-----------------|------|
| DR Smith       | Feroz Shah Kotla | 1.0000          | 1    |
| KD Karthik     | Feroz Shah Kotla | 1.0000          | 1    |
| SW Billings    | Feroz Shah Kotla | 1.0000          | 1    |
| CR Brathwaite  | Feroz Shah Kotla | 1.0000          | 1    |
| UT Khawaja     | Feroz Shah Kotla | 1.0000          | 1    |
| SS Tiwary      | Feroz Shah Kotla | 1.0000          | 1    |
| J Yadav        | Feroz Shah Kotla | 1.0000          | 1    |
| JC Buttler     | Feroz Shah Kotla | 1.0000          | 1    |
| SR Tendulkar   | Feroz Shah Kotla | 1.0000          | 1    |
| RG Sharma      | Feroz Shah Kotla | 1.0000          | 1    |
| MS Dhoni       | Feroz Shah Kotla | 1.0000          | 1    |
| UT Yadav       | Feroz Shah Kotla | 1.0000          | 1    |
| KM Jadhav      | Feroz Shah Kotla | 1.0000          | 1    |
| AB Agarkar     | Feroz Shah Kotla | 1.0000          | 1    |
| KA Pollard     | Feroz Shah Kotla | 1.0000          | 1    |
| Harbhajan S... | Feroz Shah Kotla | 1.0000          | 1    |
| MG Johnson     | Feroz Shah Kotla | 1.0000          | 1    |
| SL Malinga     | Feroz Shah Kotla | 1.0000          | 1    |
| AT Rayudu      | Feroz Shah Kotla | 1.0000          | 1    |
| LA Pomersb...  | Feroz Shah Kotla | 1.0000          | 1    |
| Mandeep Si...  | Feroz Shah Kotla | 1.0000          | 1    |
| M Vohra        | Feroz Shah Kotla | 1.0000          | 1    |
| DJ Hussey      | Feroz Shah Kotla | 1.0000          | 1    |

| Player_Name    | Venue_Name       | Average_Wickets | Rank |
|----------------|------------------|-----------------|------|
| PP Ojha        | Feroz Shah Kotla | 1.0000          | 1    |
| SR Watson      | Feroz Shah Kotla | 1.0000          | 1    |
| S Dhawan       | Feroz Shah Kotla | 1.0000          | 1    |
| NM Coulter-... | Feroz Shah Kotla | 1.0000          | 1    |
| AD Mathews     | Feroz Shah Kotla | 1.0000          | 1    |
| SV Samson      | Feroz Shah Kotla | 1.0000          | 1    |
| DJG Sammy      | Feroz Shah Kotla | 1.0000          | 1    |
| BB Samantray   | Feroz Shah Kotla | 1.0000          | 1    |
| AD Russell     | Feroz Shah Kotla | 1.0000          | 1    |
| AR Patel       | Feroz Shah Kotla | 1.0000          | 1    |
| AL Menaria     | Feroz Shah Kotla | 1.0000          | 1    |
| J Botha        | Feroz Shah Kotla | 1.0000          | 1    |
| KK Cooper      | Feroz Shah Kotla | 1.0000          | 1    |
| BJ Hodge       | Feroz Shah Kotla | 1.0000          | 1    |
| R Dravid       | Feroz Shah Kotla | 1.0000          | 1    |
| SE Marsh       | Feroz Shah Kotla | 1.0000          | 1    |
| DA Warner      | Feroz Shah Kotla | 1.0000          | 1    |
| V Kohli        | Feroz Shah Kotla | 1.0000          | 1    |
| DA Miller      | Feroz Shah Kotla | 1.0000          | 1    |
| GJ Maxwell     | Feroz Shah Kotla | 1.0000          | 1    |
| MC Juneja      | Feroz Shah Kotla | 1.0000          | 1    |
| STR Binny      | Feroz Shah Kotla | 1.0000          | 1    |
| AM Rahane      | Feroz Shah Kotla | 1.0000          | 1    |

| Player_Name    | Venue_Name       | Average_Wickets | Rank |
|----------------|------------------|-----------------|------|
| DPMD Jaya...   | Feroz Shah Kotla | 1.0000          | 1    |
| UBT Chand      | Feroz Shah Kotla | 1.0000          | 1    |
| KP Pietersen   | Feroz Shah Kotla | 1.0000          | 1    |
| Q de Kock      | Feroz Shah Kotla | 1.0000          | 1    |
| MDKJ Perera    | Feroz Shah Kotla | 1.0000          | 1    |
| SA Yadav       | Feroz Shah Kotla | 1.0000          | 1    |
| SK Raina       | Feroz Shah Kotla | 1.0000          | 1    |
| RR Pant        | Feroz Shah Kotla | 1.0000          | 1    |
| S Nadeem       | Feroz Shah Kotla | 1.0000          | 1    |
| RA Jadeja      | Feroz Shah Kotla | 1.0000          | 1    |
| Ishan Kishan   | Feroz Shah Kotla | 1.0000          | 1    |
| WD Parnell     | Feroz Shah Kotla | 1.0000          | 1    |
| GJ Bailey      | Feroz Shah Kotla | 1.0000          | 1    |
| WP Saha        | Feroz Shah Kotla | 1.0000          | 1    |
| CH Gayle       | Feroz Shah Kotla | 1.0000          | 1    |
| ER Dwivedi     | Feroz Shah Kotla | 1.0000          | 1    |
| CA Pujara      | Feroz Shah Kotla | 1.0000          | 1    |
| MC Henriques   | Feroz Shah Kotla | 1.0000          | 1    |
| M Morkel       | Feroz Shah Kotla | 1.0000          | 1    |
| NLTC Perera    | Feroz Shah Kotla | 1.0000          | 1    |
| IK Pathan      | Feroz Shah Kotla | 1.0000          | 1    |
| A Ashish Re... | Feroz Shah Kotla | 1.0000          | 1    |
| GH Vihari      | Feroz Shah Kotla | 1.0000          | 1    |

| Player_Name    | Venue_Name       | Average_Wickets | Rank |
|----------------|------------------|-----------------|------|
| CL White       | Feroz Shah Kotla | 1.0000          | 1    |
| KC Sangakkara  | Feroz Shah Kotla | 1.0000          | 1    |
| PA Patel       | Feroz Shah Kotla | 1.0000          | 1    |
| V Sehwag       | Feroz Shah Kotla | 1.0000          | 1    |
| PA Reddy       | Feroz Shah Kotla | 1.0000          | 1    |
| BJ Rohrer      | Feroz Shah Kotla | 1.0000          | 1    |
| BMAJ Mendis    | Feroz Shah Kotla | 1.0000          | 1    |
| M Vijay        | Feroz Shah Kotla | 1.0000          | 1    |
| AC Gilchrist   | Feroz Shah Kotla | 1.0000          | 1    |
| RE van der ... | Feroz Shah Kotla | 1.0000          | 1    |
| LMP Simmons    | Feroz Shah Kotla | 1.0000          | 1    |
| HH Pandya      | Feroz Shah Kotla | 1.0000          | 1    |
| MJ McClenan... | Feroz Shah Kotla | 1.0000          | 1    |
| SPD Smith      | Feroz Shah Kotla | 1.0000          | 1    |
| DH Yagnik      | Feroz Shah Kotla | 1.0000          | 1    |
| MK Tiwary      | Feroz Shah Kotla | 1.0000          | 1    |
| DJ Bravo       | Feroz Shah Kotla | 1.0000          | 1    |
| C Munro        | Feroz Shah Kotla | 1.0000          | 1    |
| BCJ Cutting    | Feroz Shah Kotla | 1.0000          | 1    |
| NV Ojha        | Feroz Shah Kotla | 1.0000          | 1    |
| B Kumar        | Feroz Shah Kotla | 1.0000          | 1    |
| R Sathish      | Feroz Shah Kotla | 1.0000          | 1    |
| A Mishra       | Feroz Shah Kotla | 1.0000          | 1    |

| Player_Name     | Venue_Name       | Average_Wickets | Rank |
|-----------------|------------------|-----------------|------|
| MA Agarwal      | Feroz Shah Kotla | 1.0000          | 1    |
| AJ Finch        | Feroz Shah Kotla | 1.0000          | 1    |
| DJ Muthuswami   | Feroz Shah Kotla | 1.0000          | 1    |
| MM Sharma       | Feroz Shah Kotla | 1.0000          | 1    |
| G Gambhir       | Feroz Shah Kotla | 1.0000          | 1    |
| RV Uthappa      | Feroz Shah Kotla | 1.0000          | 1    |
| KD Karthik      | Green Park       | 1.0000          | 1    |
| MK Pandey       | Green Park       | 1.0000          | 1    |
| Shakib Al Hasan | Green Park       | 1.0000          | 1    |
| PP Chawla       | Green Park       | 1.0000          | 1    |
| AJ Finch        | Green Park       | 1.0000          | 1    |
| RV Uthappa      | Green Park       | 1.0000          | 1    |
| SA Yadav        | Green Park       | 1.0000          | 1    |
| YK Pathan       | Green Park       | 1.0000          | 1    |
| JO Holder       | Green Park       | 1.0000          | 1    |
| RG Sharma       | Green Park       | 1.0000          | 1    |
| MJ Guptill      | Green Park       | 1.0000          | 1    |
| KH Pandya       | Green Park       | 1.0000          | 1    |
| JC Buttler      | Green Park       | 1.0000          | 1    |
| SK Raina        | Green Park       | 1.0000          | 1    |
| N Rana          | Green Park       | 1.0000          | 1    |
| KA Pollard      | Green Park       | 1.0000          | 1    |
| Harbhajan Singh | Green Park       | 1.0000          | 1    |

| Player_Name     | Venue_Name       | Average_Wickets | Rank |
|-----------------|------------------|-----------------|------|
| HH Pandya       | Green Park       | 1.0000          | 1    |
| DR Smith        | Green Park       | 1.0000          | 1    |
| BB McCullum     | Green Park       | 1.0000          | 1    |
| G Gambhir       | Green Park       | 1.0000          | 1    |
| UBT Chand       | Himachal Pradesh | 1.0000          | 1    |
| IK Pathan       | Himachal Pradesh | 1.0000          | 1    |
| DA Warner       | Himachal Pradesh | 1.0000          | 1    |
| AC Gilchrist    | Himachal Pradesh | 1.0000          | 1    |
| V Sehwag        | Himachal Pradesh | 1.0000          | 1    |
| DPMD Jaya Singh | Himachal Pradesh | 1.0000          | 1    |
| SE Marsh        | Himachal Pradesh | 1.0000          | 1    |
| BJ Rohrer       | Himachal Pradesh | 1.0000          | 1    |
| R Sathish       | Himachal Pradesh | 1.0000          | 1    |
| M Morkel        | Himachal Pradesh | 1.0000          | 1    |
| GJ Maxwell      | Himachal Pradesh | 1.0000          | 1    |
| AT Rayudu       | Himachal Pradesh | 1.0000          | 1    |
| Mandeep Singh   | Himachal Pradesh | 1.0000          | 1    |
| AP Tare         | Himachal Pradesh | 1.0000          | 1    |
| KD Karthik      | Himachal Pradesh | 1.0000          | 1    |
| RG Sharma       | Himachal Pradesh | 1.0000          | 1    |
| PP Chawla       | Himachal Pradesh | 1.0000          | 1    |
| P Kumar         | Himachal Pradesh | 1.0000          | 1    |
| R Dhawan        | Himachal Pradesh | 1.0000          | 1    |

| Player_Name     | Venue_Name         | Average_Wickets | Rank |
|-----------------|--------------------|-----------------|------|
| Azhar Mahm...   | Himachal Prades... | 1.0000          | 1    |
| KA Pollard      | Himachal Prades... | 1.0000          | 1    |
| DA Miller       | Himachal Prades... | 1.0000          | 1    |
| Gurkeerat Si... | Himachal Prades... | 1.0000          | 1    |
| Harbhajan S...  | Himachal Prades... | 1.0000          | 1    |
| NM Coulter---   | Himachal Prades... | 1.0000          | 1    |
| F du Plessis    | JSCA Internatio... | 1.0000          | 1    |
| SPD Smith       | JSCA Internatio... | 1.0000          | 1    |
| KK Nair         | JSCA Internatio... | 1.0000          | 1    |
| JH Kallis       | JSCA Internatio... | 1.0000          | 1    |
| SR Watson       | JSCA Internatio... | 1.0000          | 1    |
| AM Rahane       | JSCA Internatio... | 1.0000          | 1    |
| Ankit Sharma    | JSCA Internatio... | 1.0000          | 1    |
| D Wiese         | JSCA Internatio... | 1.0000          | 1    |
| P Negi          | JSCA Internatio... | 1.0000          | 1    |
| DJ Bravo        | JSCA Internatio... | 1.0000          | 1    |
| HV Patel        | JSCA Internatio... | 1.0000          | 1    |
| SN Khan         | JSCA Internatio... | 1.0000          | 1    |
| MC Henriques    | JSCA Internatio... | 1.0000          | 1    |
| R Ashwin        | JSCA Internatio... | 1.0000          | 1    |
| RN ten Does...  | JSCA Internatio... | 1.0000          | 1    |
| SS Tiwary       | JSCA Internatio... | 1.0000          | 1    |
| AB de Villiers  | JSCA Internatio... | 1.0000          | 1    |

| Player_Name     | Venue_Name         | Average_Wickets | Rank |
|-----------------|--------------------|-----------------|------|
| CH Gayle        | JSCA Internatio... | 1.0000          | 1    |
| YK Pathan       | JSCA Internatio... | 1.0000          | 1    |
| V Kohli         | JSCA Internatio... | 1.0000          | 1    |
| G Gambhir       | JSCA Internatio... | 1.0000          | 1    |
| CA Pujara       | JSCA Internatio... | 1.0000          | 1    |
| MS Bisla        | JSCA Internatio... | 1.0000          | 1    |
| RV Uthappa      | JSCA Internatio... | 1.0000          | 1    |
| AJ Finch        | JSCA Internatio... | 1.0000          | 1    |
| MK Pandey       | JSCA Internatio... | 1.0000          | 1    |
| R Bhatia        | JSCA Internatio... | 1.0000          | 1    |
| M Kartik        | JSCA Internatio... | 1.0000          | 1    |
| NV Ojha         | JSCA Internatio... | 1.0000          | 1    |
| A Mithun        | JSCA Internatio... | 1.0000          | 1    |
| R Rampaul       | JSCA Internatio... | 1.0000          | 1    |
| DA Warner       | JSCA Internatio... | 1.0000          | 1    |
| DR Smith        | JSCA Internatio... | 1.0000          | 1    |
| DJG Sammy       | JSCA Internatio... | 1.0000          | 1    |
| Shakib Al Ha... | JSCA Internatio... | 1.0000          | 1    |
| SA Yadav        | JSCA Internatio... | 1.0000          | 1    |
| SK Raina        | JSCA Internatio... | 1.0000          | 1    |
| BB McCullum     | JSCA Internatio... | 1.0000          | 1    |
| DJ Hussey       | JSCA Internatio... | 1.0000          | 1    |
| AD Russell      | JSCA Internatio... | 1.0000          | 1    |

| Player_Name   | Venue_Name         | Average_Wickets | Rank |
|---------------|--------------------|-----------------|------|
| S Rana        | JSCA Internatio... | 1.0000          | 1    |
| MS Dhoni      | JSCA Internatio... | 1.0000          | 1    |
| PA Patel      | JSCA Internatio... | 1.0000          | 1    |
| PP Chawla     | JSCA Internatio... | 1.0000          | 1    |
| Yuvraj Singh  | JSCA Internatio... | 1.0000          | 1    |
| Mandeep Si... | JSCA Internatio... | 1.0000          | 1    |
| KD Karthik    | JSCA Internatio... | 1.0000          | 1    |
| MEK Hussey    | JSCA Internatio... | 1.0000          | 1    |
| STR Binny     | JSCA Internatio... | 1.0000          | 1    |
| MK Tiwary     | JSCA Internatio... | 1.0000          | 1    |
| JP Faulkner   | JSCA Internatio... | 1.0000          | 1    |
| BJ Rohrer     | M Chinnaswamy...   | 2.0000          | 1    |
| DA Warner     | M Chinnaswamy...   | 1.2000          | 2    |
| WP Saha       | M Chinnaswamy...   | 1.0000          | 3    |
| HV Patel      | M Chinnaswamy...   | 1.0000          | 3    |
| GJ Bailey     | M Chinnaswamy...   | 1.0000          | 3    |
| JA Morkel     | M Chinnaswamy...   | 1.0000          | 3    |
| GJ Maxwell    | M Chinnaswamy...   | 1.0000          | 3    |
| S Rana        | M Chinnaswamy...   | 1.0000          | 3    |
| Mandeep Si... | M Chinnaswamy...   | 1.0000          | 3    |
| SS Tiwary     | M Chinnaswamy...   | 1.0000          | 3    |
| IC Pandey     | M Chinnaswamy...   | 1.0000          | 3    |
| R Rampaul     | M Chinnaswamy...   | 1.0000          | 3    |

| Player_Name   | Venue_Name       | Average_Wickets | Rank |
|---------------|------------------|-----------------|------|
| AR Patel      | MA Chidambara... | 1.0000          | 1    |
| MG Johnson    | MA Chidambara... | 1.0000          | 1    |
| Anureet Singh | MA Chidambara... | 1.0000          | 1    |
| DT Christian  | MA Chidambara... | 1.0000          | 1    |
| V Kohli       | MA Chidambara... | 1.0000          | 1    |
| MA Agarwal    | MA Chidambara... | 1.0000          | 1    |
| CH Gayle      | MA Chidambara... | 1.0000          | 1    |
| R Sathish     | MA Chidambara... | 1.0000          | 1    |
| RG Sharma     | MA Chidambara... | 1.0000          | 1    |
| MS Dhoni      | MA Chidambara... | 1.0000          | 1    |
| B Laughlin    | MA Chidambara... | 1.0000          | 1    |
| R Ashwin      | MA Chidambara... | 1.0000          | 1    |
| RA Jadeja     | MA Chidambara... | 1.0000          | 1    |
| SA Yadav      | MA Chidambara... | 1.0000          | 1    |
| YK Pathan     | MA Chidambara... | 1.0000          | 1    |
| AD Russell    | MA Chidambara... | 1.0000          | 1    |
| PJ Cummins    | MA Chidambara... | 1.0000          | 1    |
| PP Chawla     | MA Chidambara... | 1.0000          | 1    |
| S Badrinath   | MA Chidambara... | 1.0000          | 1    |
| DR Smith      | MA Chidambara... | 1.0000          | 1    |
| Imran Tahir   | MA Chidambara... | 1.0000          | 1    |
| NM Coulter... | MA Chidambara... | 1.0000          | 1    |
| JP Duminy     | MA Chidambara... | 1.0000          | 1    |

| Player_Name     | Venue_Name       | Average_Wickets | Rank |
|-----------------|------------------|-----------------|------|
| UT Yadav        | MA Chidambara... | 1.0000          | 1    |
| MS Bisla        | MA Chidambara... | 1.0000          | 1    |
| JH Kallis       | MA Chidambara... | 1.0000          | 1    |
| WP Saha         | MA Chidambara... | 1.0000          | 1    |
| BB McCullum     | MA Chidambara... | 1.0000          | 1    |
| G Gambhir       | MA Chidambara... | 1.0000          | 1    |
| NJ Maddinson    | MA Chidambara... | 1.0000          | 1    |
| SN Khan         | MA Chidambara... | 1.0000          | 1    |
| HV Patel        | MA Chidambara... | 1.0000          | 1    |
| MA Starc        | MA Chidambara... | 1.0000          | 1    |
| D Wiese         | MA Chidambara... | 1.0000          | 1    |
| Iqbal Abdulla   | MA Chidambara... | 1.0000          | 1    |
| P Negi          | MA Chidambara... | 1.0000          | 1    |
| MM Sharma       | MA Chidambara... | 1.0000          | 1    |
| DJG Sammy       | MA Chidambara... | 1.0000          | 1    |
| X Thalaivan ... | MA Chidambara... | 1.0000          | 1    |
| A Mishra        | MA Chidambara... | 1.0000          | 1    |
| GH Vihari       | MA Chidambara... | 1.0000          | 1    |
| Q de Kock       | MA Chidambara... | 1.0000          | 1    |
| SR Watson       | MA Chidambara... | 1.0000          | 1    |
| R Dravid        | MA Chidambara... | 1.0000          | 1    |
| DH Yagnik       | MA Chidambara... | 1.0000          | 1    |
| AM Rahane       | MA Chidambara... | 1.0000          | 1    |

| Player_Name     | Venue_Name       | Average_Wickets | Rank |
|-----------------|------------------|-----------------|------|
| Yuvraj Singh    | MA Chidambara... | 1.0000          | 1    |
| F du Plessis    | MA Chidambara... | 1.0000          | 1    |
| SS Iyer         | MA Chidambara... | 1.0000          | 1    |
| CM Gautam       | MA Chidambara... | 1.0000          | 1    |
| PA Patel        | MA Chidambara... | 1.0000          | 1    |
| LMP Simmons     | MA Chidambara... | 1.0000          | 1    |
| KA Pollard      | MA Chidambara... | 1.0000          | 1    |
| SPD Smith       | MA Chidambara... | 1.0000          | 1    |
| KK Nair         | MA Chidambara... | 1.0000          | 1    |
| DJ Hooda        | MA Chidambara... | 1.0000          | 1    |
| SV Samson       | MA Chidambara... | 1.0000          | 1    |
| AT Rayudu       | MA Chidambara... | 1.0000          | 1    |
| DJ Bravo        | MA Chidambara... | 1.0000          | 1    |
| Gurkeerat Si... | MA Chidambara... | 1.0000          | 1    |
| JP Faulkner     | MA Chidambara... | 1.0000          | 1    |
| R Bhatia        | MA Chidambara... | 1.0000          | 1    |
| CL White        | MA Chidambara... | 1.0000          | 1    |
| Ankit Sharma    | MA Chidambara... | 1.0000          | 1    |
| KD Karthik      | MA Chidambara... | 1.0000          | 1    |
| MK Pandey       | MA Chidambara... | 1.0000          | 1    |
| V Sehwag        | MA Chidambara... | 1.0000          | 1    |
| UBT Chand       | MA Chidambara... | 1.0000          | 1    |
| J Botha         | MA Chidambara... | 1.0000          | 1    |

| Player_Name    | Venue_Name         | Average_Wickets | Rank |
|----------------|--------------------|-----------------|------|
| KM Jadhav      | MA Chidambara...   | 1.0000          | 1    |
| BJ Rohrer      | MA Chidambara...   | 1.0000          | 1    |
| RE van der ... | MA Chidambara...   | 1.0000          | 1    |
| DA Warner      | MA Chidambara...   | 1.0000          | 1    |
| IK Pathan      | MA Chidambara...   | 1.0000          | 1    |
| A Nehra        | MA Chidambara...   | 1.0000          | 1    |
| SE Marsh       | MA Chidambara...   | 1.0000          | 1    |
| MEK Hussey     | MA Chidambara...   | 1.0000          | 1    |
| SK Raina       | MA Chidambara...   | 1.0000          | 1    |
| RT Ponting     | MA Chidambara...   | 1.0000          | 1    |
| M Vijay        | MA Chidambara...   | 1.0000          | 1    |
| SR Tendulkar   | MA Chidambara...   | 1.0000          | 1    |
| JA Morkel      | MA Chidambara...   | 1.0000          | 1    |
| MR Marsh       | MA Chidambara...   | 1.0000          | 1    |
| LRPL Taylor    | MA Chidambara...   | 1.0000          | 1    |
| RV Uthappa     | MA Chidambara...   | 1.0000          | 1    |
| AJ Finch       | MA Chidambara...   | 1.0000          | 1    |
| S Anirudha     | MA Chidambara...   | 1.0000          | 1    |
| DJ Hussey      | MA Chidambara...   | 1.0000          | 1    |
| Mandeep Si...  | MA Chidambara...   | 1.0000          | 1    |
| LA Pomersb...  | MA Chidambara...   | 1.0000          | 1    |
| JP Faulkner    | Maharashtra Cri... | 1.0000          | 1    |
| GJ Bailey      | Maharashtra Cri... | 1.0000          | 1    |

| Player_Name  | Venue_Name         | Average_Wickets | Rank |
|--------------|--------------------|-----------------|------|
| MG Johnson   | Maharashtra Cri... | 1.0000          | 1    |
| AR Patel     | Maharashtra Cri... | 1.0000          | 1    |
| DJ Hooda     | Maharashtra Cri... | 1.0000          | 1    |
| DA Miller    | Maharashtra Cri... | 1.0000          | 1    |
| STR Binny    | Maharashtra Cri... | 1.0000          | 1    |
| SPD Smith    | Maharashtra Cri... | 1.0000          | 1    |
| M Vijay      | Maharashtra Cri... | 1.0000          | 1    |
| KK Nair      | Maharashtra Cri... | 1.0000          | 1    |
| GJ Maxwell   | Maharashtra Cri... | 1.0000          | 1    |
| WP Saha      | Maharashtra Cri... | 1.0000          | 1    |
| SV Samson    | Maharashtra Cri... | 1.0000          | 1    |
| AM Rahane    | Maharashtra Cri... | 1.0000          | 1    |
| V Sehwag     | Maharashtra Cri... | 1.0000          | 1    |
| JP Duminy    | Maharashtra Cri... | 1.0000          | 1    |
| SS Iyer      | Maharashtra Cri... | 1.0000          | 1    |
| F du Plessis | Maharashtra Cri... | 1.0000          | 1    |
| RV Uthappa   | Maharashtra Cri... | 1.0000          | 1    |
| DJ Bravo     | Maharashtra Cri... | 1.0000          | 1    |
| RA Jadeja    | Maharashtra Cri... | 1.0000          | 1    |
| SK Raina     | Maharashtra Cri... | 1.0000          | 1    |
| Ishan Kishan | Maharashtra Cri... | 1.0000          | 1    |
| SR Watson    | Maharashtra Cri... | 1.0000          | 1    |
| CH Gayle     | Maharashtra Cri... | 1.0000          | 1    |

| Player_Name     | Venue_Name         | Average_Wickets | Rank |
|-----------------|--------------------|-----------------|------|
| PA Patel        | Maharashtra Cri... | 1.0000          | 1    |
| AT Rayudu       | Maharashtra Cri... | 1.0000          | 1    |
| KP Pietersen    | Maharashtra Cri... | 1.0000          | 1    |
| KL Rahul        | Maharashtra Cri... | 1.0000          | 1    |
| MS Dhoni        | Maharashtra Cri... | 1.0000          | 1    |
| R Ashwin        | Maharashtra Cri... | 1.0000          | 1    |
| M Ashwin        | Maharashtra Cri... | 1.0000          | 1    |
| Shakib Al Ha... | Maharashtra Cri... | 1.0000          | 1    |
| YK Pathan       | Maharashtra Cri... | 1.0000          | 1    |
| JA Morkel       | Maharashtra Cri... | 1.0000          | 1    |
| AB de Villiers  | Maharashtra Cri... | 1.0000          | 1    |
| DS Kulkarni     | Maharashtra Cri... | 1.0000          | 1    |
| KD Karthik      | Maharashtra Cri... | 1.0000          | 1    |
| PSP Handsc...   | Maharashtra Cri... | 1.0000          | 1    |
| R Sathish       | Maharashtra Cri... | 1.0000          | 1    |
| V Kohli         | Maharashtra Cri... | 1.0000          | 1    |
| PP Chawla       | Maharashtra Cri... | 1.0000          | 1    |
| SS Tiwary       | Maharashtra Cri... | 1.0000          | 1    |
| BB McCullum     | Maharashtra Cri... | 1.0000          | 1    |
| DR Smith        | Maharashtra Cri... | 1.0000          | 1    |
| MK Pandey       | Maharashtra Cri... | 1.0000          | 1    |
| SA Yadav        | Maharashtra Cri... | 1.0000          | 1    |
| Yuvraj Singh    | Maharashtra Cri... | 1.0000          | 1    |

| Player_Name     | Venue_Name         | Average_Wickets | Rank |
|-----------------|--------------------|-----------------|------|
| Gurkeerat Si... | Maharashtra Cri... | 1.0000          | 1    |
| AD Russell      | Maharashtra Cri... | 1.0000          | 1    |
| G Gambhir       | Maharashtra Cri... | 1.0000          | 1    |
| RN ten Does...  | Maharashtra Cri... | 1.0000          | 1    |
| NLTC Perera     | Maharashtra Cri... | 1.0000          | 1    |
| R Bhatia        | Maharashtra Cri... | 1.0000          | 1    |
| KM Jadhav       | Maharashtra Cri... | 1.0000          | 1    |
| CH Morris       | Maharashtra Cri... | 1.0000          | 1    |
| MA Agarwal      | Maharashtra Cri... | 1.0000          | 1    |
| DA Miller       | Punjab Cricket ... | 1.0000          | 1    |
| KL Rahul        | Punjab Cricket ... | 1.0000          | 1    |
| V Kohli         | Punjab Cricket ... | 1.0000          | 1    |
| SR Watson       | Punjab Cricket ... | 1.0000          | 1    |
| AB de Villiers  | Punjab Cricket ... | 1.0000          | 1    |
| TM Head         | Punjab Cricket ... | 1.0000          | 1    |
| Sachin Baby     | Punjab Cricket ... | 1.0000          | 1    |
| MP Stoinis      | Punjab Cricket ... | 1.0000          | 1    |
| AM Rahane       | Punjab Cricket ... | 1.0000          | 1    |
| KP Pietersen    | Punjab Cricket ... | 1.0000          | 1    |
| NLTC Perera     | Punjab Cricket ... | 1.0000          | 1    |
| SE Marsh        | Punjab Cricket ... | 1.0000          | 1    |
| SPD Smith       | Punjab Cricket ... | 1.0000          | 1    |
| F du Plessis    | Punjab Cricket ... | 1.0000          | 1    |

| Player_Name     | Venue_Name         | Average_Wickets | Rank |
|-----------------|--------------------|-----------------|------|
| IK Pathan       | Punjab Cricket ... | 1.0000          | 1    |
| RV Uthappa      | Punjab Cricket ... | 1.0000          | 1    |
| G Gambhir       | Punjab Cricket ... | 1.0000          | 1    |
| MK Pandey       | Punjab Cricket ... | 1.0000          | 1    |
| Shakib Al Ha... | Punjab Cricket ... | 1.0000          | 1    |
| AR Patel        | Punjab Cricket ... | 1.0000          | 1    |
| MM Sharma       | Punjab Cricket ... | 1.0000          | 1    |
| Gurkeerat Si... | Punjab Cricket ... | 1.0000          | 1    |
| S Dhawan        | Punjab Cricket ... | 1.0000          | 1    |
| BB McCullum     | Punjab Cricket ... | 1.0000          | 1    |
| P Sahu          | Punjab Cricket ... | 1.0000          | 1    |
| SK Raina        | Punjab Cricket ... | 1.0000          | 1    |
| M Vohra         | Punjab Cricket ... | 1.0000          | 1    |
| M Vijay         | Punjab Cricket ... | 1.0000          | 1    |
| GJ Maxwell      | Punjab Cricket ... | 1.0000          | 1    |
| DJ Hooda        | Punjab Cricket ... | 1.0000          | 1    |
| MS Dhoni        | Punjab Cricket ... | 1.0000          | 1    |
| RG Sharma       | Punjab Cricket ... | 1.0000          | 1    |
| AT Rayudu       | Punjab Cricket ... | 1.0000          | 1    |
| JC Buttler      | Punjab Cricket ... | 1.0000          | 1    |
| NS Naik         | Punjab Cricket ... | 1.0000          | 1    |
| PA Patel        | Punjab Cricket ... | 1.0000          | 1    |
| MG Johnson      | Punjab Cricket ... | 1.0000          | 1    |

| Player_Name   | Venue_Name         | Average_Wickets | Rank |
|---------------|--------------------|-----------------|------|
| KA Pollard    | Punjab Cricket ... | 1.0000          | 1    |
| HH Pandya     | Punjab Cricket ... | 1.0000          | 1    |
| HM Amla       | Punjab Cricket ... | 1.0000          | 1    |
| Q de Kock     | Punjab Cricket ... | 1.0000          | 1    |
| SV Samson     | Punjab Cricket ... | 1.0000          | 1    |
| KK Nair       | Punjab Cricket ... | 1.0000          | 1    |
| AJ Finch      | Punjab Cricket ... | 1.0000          | 1    |
| RA Jadeja     | Punjab Cricket ... | 1.0000          | 1    |
| Ishan Kishan  | Punjab Cricket ... | 1.0000          | 1    |
| SW Billings   | Punjab Cricket ... | 1.0000          | 1    |
| CR Brathwaite | Punjab Cricket ... | 1.0000          | 1    |
| WP Saha       | Punjab Cricket ... | 1.0000          | 1    |
| DA Warner     | Punjab Cricket ... | 1.0000          | 1    |
| GJ Maxwell    | Punjab Cricket ... | 1.0000          | 1    |
| AT Rayudu     | Punjab Cricket ... | 1.0000          | 1    |
| AR Patel      | Punjab Cricket ... | 1.0000          | 1    |
| RG Sharma     | Punjab Cricket ... | 1.0000          | 1    |
| GJ Bailey     | Punjab Cricket ... | 1.0000          | 1    |
| BE Hendricks  | Punjab Cricket ... | 1.0000          | 1    |
| KK Nair       | Punjab Cricket ... | 1.0000          | 1    |
| AM Rahane     | Punjab Cricket ... | 1.0000          | 1    |
| STR Binny     | Punjab Cricket ... | 1.0000          | 1    |
| SV Samson     | Punjab Cricket ... | 1.0000          | 1    |

| Player_Name     | Venue_Name         | Average_Wickets | Rank |
|-----------------|--------------------|-----------------|------|
| R Tewatia       | Punjab Cricket ... | 1.0000          | 1    |
| BJ Hodge        | Punjab Cricket ... | 1.0000          | 1    |
| KK Cooper       | Punjab Cricket ... | 1.0000          | 1    |
| MA Agarwal      | Punjab Cricket ... | 1.0000          | 1    |
| KD Karthik      | Punjab Cricket ... | 1.0000          | 1    |
| KM Jadhav       | Punjab Cricket ... | 1.0000          | 1    |
| JP Duminy       | Punjab Cricket ... | 1.0000          | 1    |
| KP Pietersen    | Punjab Cricket ... | 1.0000          | 1    |
| JDS Neesham     | Punjab Cricket ... | 1.0000          | 1    |
| Mohammed ...    | Punjab Cricket ... | 1.0000          | 1    |
| Imran Tahir     | Punjab Cricket ... | 1.0000          | 1    |
| JD Unadkat      | Punjab Cricket ... | 1.0000          | 1    |
| M Vijay         | Punjab Cricket ... | 1.0000          | 1    |
| DA Warner       | Punjab Cricket ... | 1.0000          | 1    |
| NV Ojha         | Punjab Cricket ... | 1.0000          | 1    |
| R Dhawan        | Punjab Cricket ... | 1.0000          | 1    |
| MC Henriques    | Punjab Cricket ... | 1.0000          | 1    |
| Anureet Singh   | Punjab Cricket ... | 1.0000          | 1    |
| LMP Simmons     | Punjab Cricket ... | 1.0000          | 1    |
| AB de Villiers  | Punjab Cricket ... | 1.0000          | 1    |
| SN Khan         | Punjab Cricket ... | 1.0000          | 1    |
| BB McCullum     | Punjab Cricket ... | 1.0000          | 1    |
| F du Plessis    | Punjab Cricket ... | 1.0000          | 1    |
| Player_Name     | Venue_Name         | Average_Wickets | Rank |
| RS Bopara       | Punjab Cricket ... | 1.0000          | 1    |
| AC Gilchrist    | Punjab Cricket ... | 1.0000          | 1    |
| Mandeep Si...   | Punjab Cricket ... | 1.0000          | 1    |
| M Vohra         | Punjab Cricket ... | 1.0000          | 1    |
| DJ Hussey       | Punjab Cricket ... | 1.0000          | 1    |
| Gurkeerat Si... | Punjab Cricket ... | 1.0000          | 1    |
| Azhar Mahm...   | Punjab Cricket ... | 1.0000          | 1    |
| R Sathish       | Punjab Cricket ... | 1.0000          | 1    |
| PP Chawla       | Punjab Cricket ... | 1.0000          | 1    |
| RJ Harris       | Punjab Cricket ... | 1.0000          | 1    |
| P Kumar         | Punjab Cricket ... | 1.0000          | 1    |
| MS Bisla        | Punjab Cricket ... | 1.0000          | 1    |
| JH Kallis       | Punjab Cricket ... | 1.0000          | 1    |
| G Gambhir       | Punjab Cricket ... | 1.0000          | 1    |
| EJG Morgan      | Punjab Cricket ... | 1.0000          | 1    |
| DA Miller       | Punjab Cricket ... | 1.0000          | 1    |
| MK Tiwary       | Punjab Cricket ... | 1.0000          | 1    |
| DB Das          | Punjab Cricket ... | 1.0000          | 1    |
| R Bhatia        | Punjab Cricket ... | 1.0000          | 1    |
| MS Gony         | Punjab Cricket ... | 1.0000          | 1    |
| YK Pathan       | Punjab Cricket ... | 1.0000          | 1    |
| SMSM Sena...    | Punjab Cricket ... | 1.0000          | 1    |
| RV Uthappa      | Punjab Cricket ... | 1.0000          | 1    |

| Player_Name   | Venue_Name          | Average_Wickets | Rank |
|---------------|---------------------|-----------------|------|
| AJ Finch      | Punjab Cricket ...  | 1.0000          | 1    |
| Yuvraj Singh  | Punjab Cricket ...  | 1.0000          | 1    |
| LJ Wright     | Punjab Cricket ...  | 1.0000          | 1    |
| R Dravid      | Punjab Cricket ...  | 1.0000          | 1    |
| SR Watson     | Punjab Cricket ...  | 1.0000          | 1    |
| SE Marsh      | Punjab Cricket ...  | 1.0000          | 1    |
| S Dhawan      | Punjab Cricket ...  | 1.0000          | 1    |
| GH Vihari     | Punjab Cricket ...  | 1.0000          | 1    |
| CL White      | Punjab Cricket ...  | 1.0000          | 1    |
| BB Samantray  | Punjab Cricket ...  | 1.0000          | 1    |
| DJG Sammy     | Punjab Cricket ...  | 1.0000          | 1    |
| KV Sharma     | Punjab Cricket ...  | 1.0000          | 1    |
| PA Patel      | Punjab Cricket ...  | 1.0000          | 1    |
| Harmeet Singh | Punjab Cricket ...  | 1.0000          | 1    |
| P Awana       | Punjab Cricket ...  | 1.0000          | 1    |
| CH Gayle      | Punjab Cricket ...  | 1.0000          | 1    |
| CA Pujara     | Punjab Cricket ...  | 1.0000          | 1    |
| V Kohli       | Punjab Cricket ...  | 1.0000          | 1    |
| WP Saha       | Punjab Cricket ...  | 1.0000          | 1    |
| V Sehwag      | Punjab Cricket ...  | 1.0000          | 1    |
| MEK Hussey    | Punjab Cricket ...  | 1.0000          | 1    |
| G Gambhir     | Rajiv Gandhi Int... | 1.0000          | 1    |
| PA Reddy      | Rajiv Gandhi Int... | 1.0000          | 1    |

| Player_Name   | Venue_Name          | Average_Wickets | Rank |
|---------------|---------------------|-----------------|------|
| CL White      | Rajiv Gandhi Int... | 1.0000          | 1    |
| AM Nayar      | Rajiv Gandhi Int... | 1.0000          | 1    |
| LRPL Taylor   | Rajiv Gandhi Int... | 1.0000          | 1    |
| MR Marsh      | Rajiv Gandhi Int... | 1.0000          | 1    |
| NLTC Perera   | Rajiv Gandhi Int... | 1.0000          | 1    |
| B Kumar       | Rajiv Gandhi Int... | 1.0000          | 1    |
| R Sharma      | Rajiv Gandhi Int... | 1.0000          | 1    |
| DJ Hussey     | Rajiv Gandhi Int... | 1.0000          | 1    |
| BB Samantray  | Rajiv Gandhi Int... | 1.0000          | 1    |
| PP Chawla     | Rajiv Gandhi Int... | 1.0000          | 1    |
| PC Valthaty   | Rajiv Gandhi Int... | 1.0000          | 1    |
| NV Ojha       | Rajiv Gandhi Int... | 1.0000          | 1    |
| GH Vihari     | Rajiv Gandhi Int... | 1.0000          | 1    |
| AB Dinda      | Rajiv Gandhi Int... | 1.0000          | 1    |
| DJ Bravo      | Rajiv Gandhi Int... | 1.0000          | 1    |
| Azhar Mahm... | Rajiv Gandhi Int... | 1.0000          | 1    |
| MS Gony       | Rajiv Gandhi Int... | 1.0000          | 1    |
| DW Steyn      | Rajiv Gandhi Int... | 1.0000          | 1    |
| AC Gilchrist  | Rajiv Gandhi Int... | 1.0000          | 1    |
| Mandeep Si... | Rajiv Gandhi Int... | 1.0000          | 1    |
| Q de Kock     | Rajiv Gandhi Int... | 1.0000          | 1    |
| MS Dhoni      | Rajiv Gandhi Int... | 1.0000          | 1    |
| MEK Hussey    | Rajiv Gandhi Int... | 1.0000          | 1    |

| Player_Name     | Venue_Name          | Average_Wickets | Rank |
|-----------------|---------------------|-----------------|------|
| AB de Villiers  | Rajiv Gandhi Int... | 1.0000          | 1    |
| MA Starc        | Rajiv Gandhi Int... | 1.0000          | 1    |
| DJG Sammy       | Rajiv Gandhi Int... | 1.0000          | 1    |
| M Vijay         | Rajiv Gandhi Int... | 1.0000          | 1    |
| NS Naik         | Rajiv Gandhi Int... | 1.0000          | 1    |
| SE Marsh        | Rajiv Gandhi Int... | 1.0000          | 1    |
| AP Tare         | Rajiv Gandhi Int... | 1.0000          | 1    |
| DA Miller       | Rajiv Gandhi Int... | 1.0000          | 1    |
| CH Gayle        | Rajiv Gandhi Int... | 1.0000          | 1    |
| M Vohra         | Rajiv Gandhi Int... | 1.0000          | 1    |
| Gurkeerat Si... | Rajiv Gandhi Int... | 1.0000          | 1    |
| GJ Bailey       | Rajiv Gandhi Int... | 1.0000          | 1    |
| Bipul Sharma    | Rajiv Gandhi Int... | 1.0000          | 1    |
| TM Dilshan      | Rajiv Gandhi Int... | 1.0000          | 1    |
| SP Narine       | Rajiv Gandhi Int... | 1.0000          | 1    |
| P Dogra         | Rajiv Gandhi Int... | 1.0000          | 1    |
| RN ten Does...  | Rajiv Gandhi Int... | 1.0000          | 1    |
| JH Kallis       | Rajiv Gandhi Int... | 1.0000          | 1    |
| EJG Morgan      | Rajiv Gandhi Int... | 1.0000          | 1    |
| KK Nair         | Rajiv Gandhi Int... | 1.0000          | 1    |
| MS Bisla        | Rajiv Gandhi Int... | 1.0000          | 1    |
| P Negi          | Rajiv Gandhi Int... | 1.0000          | 1    |
| F du Plessis    | Rajiv Gandhi Int... | 1.0000          | 1    |

| Player_Name    | Venue_Name          | Average_Wickets | Rank |
|----------------|---------------------|-----------------|------|
| SK Raina       | Rajiv Gandhi Int... | 1.0000          | 1    |
| BB McCullum    | Rajiv Gandhi Int... | 1.0000          | 1    |
| SR Tendulkar   | Rajiv Gandhi Int... | 1.0000          | 1    |
| KD Karthik     | Rajiv Gandhi Int... | 1.0000          | 1    |
| RG Sharma      | Rajiv Gandhi Int... | 1.0000          | 1    |
| DR Smith       | Rajiv Gandhi Int... | 1.0000          | 1    |
| P Kumar        | Rajiv Gandhi Int... | 1.0000          | 1    |
| AR Patel       | Rajiv Gandhi Int... | 1.0000          | 1    |
| DJ Hooda       | Rajiv Gandhi Int... | 1.0000          | 1    |
| AD Russell     | Rajiv Gandhi Int... | 1.0000          | 1    |
| V Kohli        | Rajiv Gandhi Int... | 1.0000          | 1    |
| A Mishra       | Rajiv Gandhi Int... | 1.0000          | 1    |
| MA Agarwal     | Rajiv Gandhi Int... | 1.0000          | 1    |
| KB Arun Kar... | Rajiv Gandhi Int... | 1.0000          | 1    |
| MC Henriques   | Rajiv Gandhi Int... | 1.0000          | 1    |
| HH Pandya      | Rajiv Gandhi Int... | 1.0000          | 1    |
| JC Buttler     | Rajiv Gandhi Int... | 1.0000          | 1    |
| MJ Guptill     | Rajiv Gandhi Int... | 1.0000          | 1    |
| Parvez Rasool  | Rajiv Gandhi Int... | 1.0000          | 1    |
| KV Sharma      | Rajiv Gandhi Int... | 1.0000          | 1    |
| KK Cooper      | Rajiv Gandhi Int... | 1.0000          | 1    |
| A Ashish Re... | Rajiv Gandhi Int... | 1.0000          | 1    |
| R Vinay Kumar  | Rajiv Gandhi Int... | 1.0000          | 1    |

| Player_Name   | Venue_Name          | Average_Wickets | Rank |
|---------------|---------------------|-----------------|------|
| A Nehra       | Rajiv Gandhi Int... | 1.0000          | 1    |
| IK Pathan     | Rajiv Gandhi Int... | 1.0000          | 1    |
| S Nadeem      | Rajiv Gandhi Int... | 1.0000          | 1    |
| J Botha       | Rajiv Gandhi Int... | 1.0000          | 1    |
| BMAJ Mendis   | Rajiv Gandhi Int... | 1.0000          | 1    |
| KM Jadhav     | Rajiv Gandhi Int... | 1.0000          | 1    |
| DA Warner     | Rajiv Gandhi Int... | 1.0000          | 1    |
| KS Williamson | Rajiv Gandhi Int... | 1.0000          | 1    |
| BJ Hodge      | Rajiv Gandhi Int... | 1.0000          | 1    |
| JP Faulkner   | Rajiv Gandhi Int... | 1.0000          | 1    |
| Sachin Baby   | Rajiv Gandhi Int... | 1.0000          | 1    |
| STR Binny     | Rajiv Gandhi Int... | 1.0000          | 1    |
| SR Watson     | Rajiv Gandhi Int... | 1.0000          | 1    |
| SV Samson     | Rajiv Gandhi Int... | 1.0000          | 1    |
| AM Rahane     | Rajiv Gandhi Int... | 1.0000          | 1    |
| R Dravid      | Rajiv Gandhi Int... | 1.0000          | 1    |
| UBT Chand     | Rajiv Gandhi Int... | 1.0000          | 1    |
| V Sehwag      | Rajiv Gandhi Int... | 1.0000          | 1    |
| S Dhawan      | Rajiv Gandhi Int... | 1.0000          | 1    |
| DPMD Jaya...  | Rajiv Gandhi Int... | 1.0000          | 1    |
| GJ Maxwell    | Rajiv Gandhi Int... | 1.0000          | 1    |
| WP Saha       | Rajiv Gandhi Int... | 1.0000          | 1    |
| AJ Finch      | Rajiv Gandhi Int... | 1.0000          | 1    |

| Player_Name   | Venue_Name          | Average_Wickets | Rank |
|---------------|---------------------|-----------------|------|
| AT Rayudu     | Rajiv Gandhi Int... | 1.0000          | 1    |
| LMP Simmons   | Rajiv Gandhi Int... | 1.0000          | 1    |
| PA Patel      | Rajiv Gandhi Int... | 1.0000          | 1    |
| RV Uthappa    | Rajiv Gandhi Int... | 1.0000          | 1    |
| MN Samuels    | Rajiv Gandhi Int... | 1.0000          | 1    |
| KC Sangakkara | Rajiv Gandhi Int... | 1.0000          | 1    |
| Yuvraj Singh  | Rajiv Gandhi Int... | 1.0000          | 1    |
| KL Rahul      | Rajiv Gandhi Int... | 1.0000          | 1    |
| CM Gautam     | Rajiv Gandhi Int... | 1.0000          | 1    |
| RA Jadeja     | Rajiv Gandhi Int... | 1.0000          | 1    |
| MK Pandey     | Rajiv Gandhi Int... | 1.0000          | 1    |
| DA Miller     | Sardar Patel Sta... | 2.0000          | 1    |
| SE Marsh      | Sardar Patel Sta... | 2.0000          | 1    |
| JP Faulkner   | Sardar Patel Sta... | 1.3333          | 3    |
| SR Watson     | Sardar Patel Sta... | 1.1667          | 4    |
| KP Pietersen  | Sardar Patel Sta... | 1.0000          | 5    |
| LRPL Taylor   | Sardar Patel Sta... | 1.0000          | 5    |
| KK Cooper     | Sardar Patel Sta... | 1.0000          | 5    |
| KM Jadhav     | Sardar Patel Sta... | 1.0000          | 5    |
| S Nadeem      | Sardar Patel Sta... | 1.0000          | 5    |
| Imran Tahir   | Sardar Patel Sta... | 1.0000          | 5    |
| R Shukla      | Sardar Patel Sta... | 1.0000          | 5    |
| BCJ Cutting   | Sardar Patel Sta... | 1.0000          | 5    |

| Player_Name   | Venue_Name          | Average_Wickets | Rank |
|---------------|---------------------|-----------------|------|
| UBT Chand     | Sardar Patel Sta... | 1.0000          | 5    |
| Ankit Sharma  | Sardar Patel Sta... | 1.0000          | 5    |
| LMP Simmons   | Sardar Patel Sta... | 1.0000          | 5    |
| MEK Hussey    | Sardar Patel Sta... | 1.0000          | 5    |
| BJ Hodge      | Sardar Patel Sta... | 1.0000          | 5    |
| RG Sharma     | Sardar Patel Sta... | 1.0000          | 5    |
| KV Sharma     | Sardar Patel Sta... | 1.0000          | 5    |
| R Bhatia      | Sardar Patel Sta... | 1.0000          | 5    |
| KW Richardson | Sardar Patel Sta... | 1.0000          | 5    |
| DW Steyn      | Sardar Patel Sta... | 1.0000          | 5    |
| A Mishra      | Sardar Patel Sta... | 1.0000          | 5    |
| PV Tambe      | Sardar Patel Sta... | 1.0000          | 5    |
| MA Agarwal    | Sardar Patel Sta... | 1.0000          | 5    |
| KD Karthik    | Sardar Patel Sta... | 1.0000          | 5    |
| DA Warner     | Sardar Patel Sta... | 1.0000          | 5    |
| F du Plessis  | Sardar Patel Sta... | 1.0000          | 5    |
| PA Patel      | Sardar Patel Sta... | 1.0000          | 5    |
| DJ Hooda      | Sardar Patel Sta... | 1.0000          | 5    |
| KA Pollard    | Sardar Patel Sta... | 1.0000          | 5    |
| CJ Anderson   | Sardar Patel Sta... | 1.0000          | 5    |
| JP Duminy     | Sardar Patel Sta... | 1.0000          | 5    |
| BB McCullum   | Sardar Patel Sta... | 1.0000          | 5    |
| SK Raina      | Sardar Patel Sta... | 1.0000          | 5    |

| Player_Name    | Venue_Name          | Average_Wickets | Rank |
|----------------|---------------------|-----------------|------|
| MC Henriques   | Sardar Patel Sta... | 1.0000          | 5    |
| DR Smith       | Sardar Patel Sta... | 1.0000          | 5    |
| V Sehwag       | Sardar Patel Sta... | 1.0000          | 5    |
| M Vijay        | Sardar Patel Sta... | 1.0000          | 5    |
| GJ Maxwell     | Sardar Patel Sta... | 1.0000          | 5    |
| WP Saha        | Sardar Patel Sta... | 1.0000          | 5    |
| CH Gayle       | Sardar Patel Sta... | 1.0000          | 5    |
| DS Kulkarni    | Sardar Patel Sta... | 1.0000          | 5    |
| AM Rahane      | Sardar Patel Sta... | 1.0000          | 5    |
| KK Nair        | Sardar Patel Sta... | 1.0000          | 5    |
| G Gambhir      | Sardar Patel Sta... | 1.0000          | 5    |
| RV Uthappa     | Sardar Patel Sta... | 1.0000          | 5    |
| AD Russell     | Sardar Patel Sta... | 1.0000          | 5    |
| MK Pandey      | Sardar Patel Sta... | 1.0000          | 5    |
| YK Pathan      | Sardar Patel Sta... | 1.0000          | 5    |
| RN ten Does... | Sardar Patel Sta... | 1.0000          | 5    |
| SV Samson      | Sardar Patel Sta... | 1.0000          | 5    |
| SPD Smith      | Sardar Patel Sta... | 1.0000          | 5    |
| STR Binny      | Sardar Patel Sta... | 1.0000          | 5    |
| S Dhawan       | Sardar Patel Sta... | 1.0000          | 5    |
| AJ Finch       | Sardar Patel Sta... | 1.0000          | 5    |
| KL Rahul       | Sardar Patel Sta... | 1.0000          | 5    |
| NV Ojha        | Sardar Patel Sta... | 1.0000          | 5    |

| Player_Name    | Venue_Name         | Average_Wickets | Rank |
|----------------|--------------------|-----------------|------|
| GJ Maxwell     | Saurashtra Cric... | 1.0000          | 1    |
| SE Marsh       | Saurashtra Cric... | 1.0000          | 1    |
| MP Stoinis     | Saurashtra Cric... | 1.0000          | 1    |
| RA Jadeja      | Saurashtra Cric... | 1.0000          | 1    |
| DJ Bravo       | Saurashtra Cric... | 1.0000          | 1    |
| SPD Smith      | Saurashtra Cric... | 1.0000          | 1    |
| KD Karthik     | Saurashtra Cric... | 1.0000          | 1    |
| MR Marsh       | Saurashtra Cric... | 1.0000          | 1    |
| AB de Villiers | Saurashtra Cric... | 1.0000          | 1    |
| Q de Kock      | Saurashtra Cric... | 1.0000          | 1    |
| DW Steyn       | Saurashtra Cric... | 1.0000          | 1    |
| RR Pant        | Saurashtra Cric... | 1.0000          | 1    |
| BB McCullum    | Saurashtra Cric... | 1.0000          | 1    |
| KP Pietersen   | Saurashtra Cric... | 1.0000          | 1    |
| KC Cariappa    | Saurashtra Cric... | 1.0000          | 1    |
| MM Sharma      | Saurashtra Cric... | 1.0000          | 1    |
| JP Faulkner    | Saurashtra Cric... | 1.0000          | 1    |
| P Kumar        | Saurashtra Cric... | 1.0000          | 1    |
| WP Saha        | Saurashtra Cric... | 1.0000          | 1    |
| AR Patel       | Saurashtra Cric... | 1.0000          | 1    |
| DA Miller      | Saurashtra Cric... | 1.0000          | 1    |
| Ishan Kishan   | Saurashtra Cric... | 1.0000          | 1    |
| F du Plessis   | Saurashtra Cric... | 1.0000          | 1    |

| Player_Name     | Venue_Name         | Average_Wickets | Rank |
|-----------------|--------------------|-----------------|------|
| DR Smith        | Saurashtra Cric... | 1.0000          | 1    |
| SK Raina        | Saurashtra Cric... | 1.0000          | 1    |
| AJ Finch        | Saurashtra Cric... | 1.0000          | 1    |
| AM Rahane       | Saurashtra Cric... | 1.0000          | 1    |
| SR Watson       | Saurashtra Cric... | 1.0000          | 1    |
| AD Nath         | Saurashtra Cric... | 1.0000          | 1    |
| M Vijay         | Saurashtra Cric... | 1.0000          | 1    |
| Gurkeerat Si... | Saurashtra Cric... | 1.0000          | 1    |
| SL Malinga      | Sawai Mansingh...  | 1.0000          | 1    |
| AT Rayudu       | Sawai Mansingh...  | 1.0000          | 1    |
| MG Johnson      | Sawai Mansingh...  | 1.0000          | 1    |
| Harbhajan S...  | Sawai Mansingh...  | 1.0000          | 1    |
| R Dhawan        | Sawai Mansingh...  | 1.0000          | 1    |
| KD Karthik      | Sawai Mansingh...  | 1.0000          | 1    |
| KA Pollard      | Sawai Mansingh...  | 1.0000          | 1    |
| RG Sharma       | Sawai Mansingh...  | 1.0000          | 1    |
| A Ashish Re...  | Sawai Mansingh...  | 1.0000          | 1    |
| RT Ponting      | Sawai Mansingh...  | 1.0000          | 1    |
| SR Tendulkar    | Sawai Mansingh...  | 1.0000          | 1    |
| A Mishra        | Sawai Mansingh...  | 1.0000          | 1    |
| GH Vihari       | Sawai Mansingh...  | 1.0000          | 1    |
| NLTC Perera     | Sawai Mansingh...  | 1.0000          | 1    |
| KV Sharma       | Sawai Mansingh...  | 1.0000          | 1    |

| Player_Name   | Venue_Name        | Average_Wickets | Rank |
|---------------|-------------------|-----------------|------|
| S Dhawan      | Sawai Mansingh... | 1.0000          | 1    |
| LR Shukla     | Sawai Mansingh... | 1.0000          | 1    |
| KC Sangakkara | Sawai Mansingh... | 1.0000          | 1    |
| PA Reddy      | Sawai Mansingh... | 1.0000          | 1    |
| JP Faulkner   | Sawai Mansingh... | 1.0000          | 1    |
| MK Tiwary     | Sawai Mansingh... | 1.0000          | 1    |
| JH Kallis     | Sawai Mansingh... | 1.0000          | 1    |
| G Gambhir     | Sawai Mansingh... | 1.0000          | 1    |
| SR Watson     | Sawai Mansingh... | 1.0000          | 1    |
| MS Bisla      | Sawai Mansingh... | 1.0000          | 1    |
| MEK Hussey    | Sawai Mansingh... | 1.0000          | 1    |
| YK Pathan     | Sawai Mansingh... | 1.0000          | 1    |
| AJ Finch      | Sawai Mansingh... | 1.0000          | 1    |
| Yuvraj Singh  | Sawai Mansingh... | 1.0000          | 1    |
| R Dravid      | Sawai Mansingh... | 1.0000          | 1    |
| SK Raina      | Sawai Mansingh... | 1.0000          | 1    |
| MS Dhoni      | Sawai Mansingh... | 1.0000          | 1    |
| M Vijay       | Sawai Mansingh... | 1.0000          | 1    |
| STR Binny     | Sawai Mansingh... | 1.0000          | 1    |
| R Bhatia      | Sawai Mansingh... | 1.0000          | 1    |
| AM Rahane     | Sawai Mansingh... | 1.0000          | 1    |
| B Lee         | Sawai Mansingh... | 1.0000          | 1    |
| KK Cooper     | Sawai Mansingh... | 1.0000          | 1    |

| Player_Name     | Venue_Name        | Average_Wickets | Rank |
|-----------------|-------------------|-----------------|------|
| EJG Morgan      | Sawai Mansingh... | 1.0000          | 1    |
| Mohammed ...    | Sawai Mansingh... | 1.0000          | 1    |
| DH Yagnik       | Sawai Mansingh... | 1.0000          | 1    |
| OA Shah         | Sawai Mansingh... | 1.0000          | 1    |
| R Rampaul       | Sawai Mansingh... | 1.0000          | 1    |
| MC Henriques    | Sawai Mansingh... | 1.0000          | 1    |
| V Kohli         | Sawai Mansingh... | 1.0000          | 1    |
| SV Samson       | Sawai Mansingh... | 1.0000          | 1    |
| RV Uthappa      | Sawai Mansingh... | 1.0000          | 1    |
| AB de Villiers  | Sawai Mansingh... | 1.0000          | 1    |
| A Mukund        | Sawai Mansingh... | 1.0000          | 1    |
| CH Gayle        | Sawai Mansingh... | 1.0000          | 1    |
| AC Gilchrist    | Sawai Mansingh... | 1.0000          | 1    |
| Mandeep Si...   | Sawai Mansingh... | 1.0000          | 1    |
| AD Mathews      | Sawai Mansingh... | 1.0000          | 1    |
| M Vohra         | Sawai Mansingh... | 1.0000          | 1    |
| Gurkeerat Si... | Sawai Mansingh... | 1.0000          | 1    |
| V Sehwag        | Sawai Mansingh... | 1.0000          | 1    |
| CM Gautam       | Sawai Mansingh... | 1.0000          | 1    |
| DA Warner       | Sawai Mansingh... | 1.0000          | 1    |
| DPMD Jaya...    | Sawai Mansingh... | 1.0000          | 1    |
| R Sathish       | Sawai Mansingh... | 1.0000          | 1    |
| DJ Hussey       | Sawai Mansingh... | 1.0000          | 1    |

| Player_Name   | Venue_Name        | Average_Wickets | Rank |
|---------------|-------------------|-----------------|------|
| BJ Hodge      | Sawai Mansingh... | 1.0000          | 1    |
| PP Chawla     | Sawai Mansingh... | 1.0000          | 1    |
| Azhar Mahm... | Sawai Mansingh... | 1.0000          | 1    |
| P Kumar       | Sawai Mansingh... | 1.0000          | 1    |
| P Awana       | Sawai Mansingh... | 1.0000          | 1    |
| DJG Sammy     | Sawai Mansingh... | 1.0000          | 1    |
| MS Dhoni      | Shaheed Veer N... | 1.0000          | 1    |
| DR Smith      | Shaheed Veer N... | 1.0000          | 1    |
| SS Iyer       | Shaheed Veer N... | 1.0000          | 1    |
| KL Rahul      | Shaheed Veer N... | 1.0000          | 1    |
| SW Billings   | Shaheed Veer N... | 1.0000          | 1    |
| P Negi        | Shaheed Veer N... | 1.0000          | 1    |
| SR Watson     | Shaheed Veer N... | 1.0000          | 1    |
| J Yadav       | Shaheed Veer N... | 1.0000          | 1    |
| SV Samson     | Shaheed Veer N... | 1.0000          | 1    |
| AJ Finch      | Shaheed Veer N... | 1.0000          | 1    |
| LJ Wright     | Shaheed Veer N... | 1.0000          | 1    |
| Yuvraj Singh  | Shaheed Veer N... | 1.0000          | 1    |
| RV Uthappa    | Shaheed Veer N... | 1.0000          | 1    |
| KM Jadhav     | Shaheed Veer N... | 1.0000          | 1    |
| BB McCullum   | Shaheed Veer N... | 1.0000          | 1    |
| KV Sharma     | Shaheed Veer N... | 1.0000          | 1    |
| S Dhawan      | Shaheed Veer N... | 1.0000          | 1    |

| Player_Name   | Venue_Name        | Average_Wickets | Rank |
|---------------|-------------------|-----------------|------|
| DA Warner     | Shaheed Veer N... | 1.0000          | 1    |
| JP Duminy     | Shaheed Veer N... | 1.0000          | 1    |
| Q de Kock     | Shaheed Veer N... | 1.0000          | 1    |
| G Gambhir     | Shaheed Veer N... | 1.0000          | 1    |
| DJ Hooda      | Shaheed Veer N... | 1.0000          | 1    |
| DB Das        | Shaheed Veer N... | 1.0000          | 1    |
| BJ Rohrer     | Shaheed Veer N... | 1.0000          | 1    |
| RR Pant       | Shaheed Veer N... | 1.0000          | 1    |
| MC Henriques  | Shaheed Veer N... | 1.0000          | 1    |
| CR Brathwaite | Shaheed Veer N... | 1.0000          | 1    |
| B Kumar       | Shaheed Veer N... | 1.0000          | 1    |
| CH Gayle      | Shaheed Veer N... | 1.0000          | 1    |
| S Narwal      | Shaheed Veer N... | 1.0000          | 1    |
| DPMD Jaya...  | Shaheed Veer N... | 1.0000          | 1    |
| V Sehwag      | Shaheed Veer N... | 1.0000          | 1    |
| UBT Chand     | Shaheed Veer N... | 1.0000          | 1    |
| DJ Bravo      | Shaheed Veer N... | 1.0000          | 1    |
| JA Morkel     | Shaheed Veer N... | 1.0000          | 1    |
| JH Kallis     | Shaheed Veer N... | 1.0000          | 1    |
| EJG Morgan    | Shaheed Veer N... | 1.0000          | 1    |
| YK Pathan     | Shaheed Veer N... | 1.0000          | 1    |
| F du Plessis  | Shaheed Veer N... | 1.0000          | 1    |
| MS Bisla      | Shaheed Veer N... | 1.0000          | 1    |

| Player_Name    | Venue_Name          | Average_Wickets | Rank |
|----------------|---------------------|-----------------|------|
| SK Raina       | Shaheed Veer N...   | 1.0000          | 1    |
| AB de Villiers | Shaheed Veer N...   | 1.0000          | 1    |
| KK Nair        | Shaheed Veer N...   | 1.0000          | 1    |
| RG Sharma      | Sharjah Cricket ... | 1.0000          | 1    |
| AP Tare        | Sharjah Cricket ... | 1.0000          | 1    |
| CJ Anderson    | Sharjah Cricket ... | 1.0000          | 1    |
| AT Rayudu      | Sharjah Cricket ... | 1.0000          | 1    |
| MEK Hussey     | Sharjah Cricket ... | 1.0000          | 1    |
| JP Duminy      | Sharjah Cricket ... | 1.0000          | 1    |
| CM Gautam      | Sharjah Cricket ... | 1.0000          | 1    |
| Harbhajan S... | Sharjah Cricket ... | 1.0000          | 1    |
| BB McCullum    | Sharjah Cricket ... | 1.0000          | 1    |
| DR Smith       | Sharjah Cricket ... | 1.0000          | 1    |
| F du Plessis   | Sharjah Cricket ... | 1.0000          | 1    |
| RA Jadeja      | Sharjah Cricket ... | 1.0000          | 1    |
| YV Takawale    | Sharjah Cricket ... | 1.0000          | 1    |
| CA Lynn        | Sharjah Cricket ... | 1.0000          | 1    |
| YK Pathan      | Sharjah Cricket ... | 1.0000          | 1    |
| JH Kallis      | Sharjah Cricket ... | 1.0000          | 1    |
| Yuvraj Singh   | Sharjah Cricket ... | 1.0000          | 1    |
| DW Steyn       | Sharjah Cricket ... | 1.0000          | 1    |
| KV Sharma      | Sharjah Cricket ... | 1.0000          | 1    |
| DA Miller      | Sharjah Cricket ... | 1.0000          | 1    |

| Player_Name    | Venue_Name          | Average_Wickets | Rank |
|----------------|---------------------|-----------------|------|
| KL Rahul       | Sharjah Cricket ... | 1.0000          | 1    |
| DJG Sammy      | Sharjah Cricket ... | 1.0000          | 1    |
| CA Pujara      | Sharjah Cricket ... | 1.0000          | 1    |
| IK Pathan      | Sharjah Cricket ... | 1.0000          | 1    |
| Y Venugopal... | Sharjah Cricket ... | 1.0000          | 1    |
| DA Warner      | Sharjah Cricket ... | 1.0000          | 1    |
| AJ Finch       | Sharjah Cricket ... | 1.0000          | 1    |
| S Dhawan       | Sharjah Cricket ... | 1.0000          | 1    |
| AB de Villiers | Sharjah Cricket ... | 1.0000          | 1    |
| MK Pandey      | Sharjah Cricket ... | 1.0000          | 1    |
| G Gambhir      | Sharjah Cricket ... | 1.0000          | 1    |
| Q de Kock      | Sharjah Cricket ... | 1.0000          | 1    |
| SV Samson      | Sharjah Cricket ... | 1.0000          | 1    |
| STR Binny      | Sharjah Cricket ... | 1.0000          | 1    |
| GJ Maxwell     | Sharjah Cricket ... | 1.0000          | 1    |
| RV Uthappa     | Sharjah Cricket ... | 1.0000          | 1    |
| V Kohli        | Sharjah Cricket ... | 1.0000          | 1    |
| PA Patel       | Sharjah Cricket ... | 1.0000          | 1    |
| SR Watson      | Sharjah Cricket ... | 1.0000          | 1    |
| AM Nayar       | Sharjah Cricket ... | 1.0000          | 1    |
| AM Rahane      | Sharjah Cricket ... | 1.0000          | 1    |
| SK Raina       | Sharjah Cricket ... | 1.0000          | 1    |
| WP Saha        | Sharjah Cricket ... | 1.0000          | 1    |

| Player_Name   | Venue_Name          | Average_Wickets | Rank |
|---------------|---------------------|-----------------|------|
| V Sehwag      | Sharjah Cricket ... | 1.0000          | 1    |
| MG Johnson    | Sharjah Cricket ... | 1.0000          | 1    |
| B Kumar       | Sharjah Cricket ... | 1.0000          | 1    |
| R Vinay Kumar | Sharjah Cricket ... | 1.0000          | 1    |
| M Vijay       | Sharjah Cricket ... | 1.0000          | 1    |
| MK Tiwary     | Sharjah Cricket ... | 1.0000          | 1    |
| KD Karthik    | Sharjah Cricket ... | 1.0000          | 1    |
| MA Agarwal    | Sharjah Cricket ... | 1.0000          | 1    |
| NJ Maddinson  | Sharjah Cricket ... | 1.0000          | 1    |
| GJ Bailey     | Sharjah Cricket ... | 1.0000          | 1    |
| SA Yadav      | Sheikh Zayed St...  | 1.5000          | 1    |
| RV Uthappa    | Sheikh Zayed St...  | 1.0000          | 2    |
| MK Pandey     | Sheikh Zayed St...  | 1.0000          | 2    |
| AT Rayudu     | Sheikh Zayed St...  | 1.0000          | 2    |
| RG Sharma     | Sheikh Zayed St...  | 1.0000          | 2    |
| AP Tare       | Sheikh Zayed St...  | 1.0000          | 2    |
| LRPL Taylor   | Sheikh Zayed St...  | 1.0000          | 2    |
| JP Duminy     | Sheikh Zayed St...  | 1.0000          | 2    |
| MK Tiwary     | Sheikh Zayed St...  | 1.0000          | 2    |
| M Vijay       | Sheikh Zayed St...  | 1.0000          | 2    |
| MA Agarwal    | Sheikh Zayed St...  | 1.0000          | 2    |
| MEK Hussey    | Sheikh Zayed St...  | 1.0000          | 2    |
| G Gambhir     | Sheikh Zayed St...  | 1.0000          | 2    |

| Player_Name | Venue_Name         | Average_Wickets | Rank |
|-------------|--------------------|-----------------|------|
| GJ Bailey   | Sheikh Zayed St... | 1.0000          | 2    |
| PP Chawla   | Sheikh Zayed St... | 1.0000          | 2    |
| SP Narine   | Sheikh Zayed St... | 1.0000          | 2    |
| YK Pathan   | Sheikh Zayed St... | 1.0000          | 2    |
| MG Johnson  | Sheikh Zayed St... | 1.0000          | 2    |
| UT Yadav    | Sheikh Zayed St... | 1.0000          | 2    |
| KV Sharma   | Sheikh Zayed St... | 1.0000          | 2    |
| R Bhatia    | Sheikh Zayed St... | 1.0000          | 2    |
| BJ Hodge    | Sheikh Zayed St... | 1.0000          | 2    |
| DJG Sammy   | Sheikh Zayed St... | 1.0000          | 2    |
| KL Rahul    | Sheikh Zayed St... | 1.0000          | 2    |
| L Balaji    | Sheikh Zayed St... | 1.0000          | 2    |
| CA Lynn     | Sheikh Zayed St... | 1.0000          | 2    |
| WP Saha     | Sheikh Zayed St... | 1.0000          | 2    |
| AB Dinda    | Sheikh Zayed St... | 1.0000          | 2    |
| R Rampaul   | Sheikh Zayed St... | 1.0000          | 2    |
| MA Starc    | Sheikh Zayed St... | 1.0000          | 2    |
| V Kohli     | Sheikh Zayed St... | 1.0000          | 2    |
| KK Nair     | Sheikh Zayed St... | 1.0000          | 2    |
| S Rana      | Sheikh Zayed St... | 1.0000          | 2    |
| DA Miller   | Sheikh Zayed St... | 1.0000          | 2    |
| AM Rahane   | Sheikh Zayed St... | 1.0000          | 2    |
| DA Warner   | Sheikh Zayed St... | 1.0000          | 2    |

| Player_Name    | Venue_Name         | Average_Wickets | Rank |
|----------------|--------------------|-----------------|------|
| S Dhawan       | Sheikh Zayed St... | 1.0000          | 2    |
| SR Watson      | Sheikh Zayed St... | 1.0000          | 2    |
| SV Samson      | Sheikh Zayed St... | 1.0000          | 2    |
| AJ Finch       | Sheikh Zayed St... | 1.0000          | 2    |
| AM Nayar       | Sheikh Zayed St... | 1.0000          | 2    |
| MS Dhoni       | Sheikh Zayed St... | 1.0000          | 2    |
| SK Raina       | Sheikh Zayed St... | 1.0000          | 2    |
| DR Smith       | Sheikh Zayed St... | 1.0000          | 2    |
| GJ Maxwell     | Sheikh Zayed St... | 1.0000          | 2    |
| BB McCullum    | Sheikh Zayed St... | 1.0000          | 2    |
| AR Patel       | Sheikh Zayed St... | 1.0000          | 2    |
| AB de Villiers | Sheikh Zayed St... | 1.0000          | 2    |
| MS Bisla       | Sheikh Zayed St... | 1.0000          | 2    |
| CA Pujara      | Sheikh Zayed St... | 1.0000          | 2    |
| V Sehwag       | Sheikh Zayed St... | 1.0000          | 2    |
| STR Binny      | Sheikh Zayed St... | 1.0000          | 2    |
| R Vinay Kumar  | Sheikh Zayed St... | 1.0000          | 2    |
| R Ashwin       | Sheikh Zayed St... | 1.0000          | 2    |
| RA Jadeja      | Sheikh Zayed St... | 1.0000          | 2    |
| F du Plessis   | Sheikh Zayed St... | 1.0000          | 2    |
| S Nadeem       | Sheikh Zayed St... | 1.0000          | 2    |
| Mohammed ...   | Sheikh Zayed St... | 1.0000          | 2    |
| JDS Neesham    | Sheikh Zayed St... | 1.0000          | 2    |

| Player_Name     | Venue_Name         | Average_Wickets | Rank |
|-----------------|--------------------|-----------------|------|
| KD Karthik      | Sheikh Zayed St... | 1.0000          | 2    |
| Yuvraj Singh    | Sheikh Zayed St... | 1.0000          | 2    |
| PA Patel        | Sheikh Zayed St... | 1.0000          | 2    |
| CM Gautam       | Sheikh Zayed St... | 1.0000          | 2    |
| JA Morkel       | Sheikh Zayed St... | 1.0000          | 2    |
| Shakib Al Ha... | Sheikh Zayed St... | 1.0000          | 2    |
| Harbhajan S...  | Sheikh Zayed St... | 1.0000          | 2    |
| JH Kallis       | Sheikh Zayed St... | 1.0000          | 2    |
| CJ Anderson     | Sheikh Zayed St... | 1.0000          | 2    |
| YV Takawale     | Sheikh Zayed St... | 1.0000          | 2    |
| MN Samuels      | Subrata Roy Sa...  | 1.0000          | 1    |
| IK Pathan       | Subrata Roy Sa...  | 1.0000          | 1    |
| S Nadeem        | Subrata Roy Sa...  | 1.0000          | 1    |
| CL White        | Subrata Roy Sa...  | 1.0000          | 1    |
| PA Patel        | Subrata Roy Sa...  | 1.0000          | 1    |
| MS Bisla        | Subrata Roy Sa...  | 1.0000          | 1    |
| JH Kallis       | Subrata Roy Sa...  | 1.0000          | 1    |
| UA Birla        | Subrata Roy Sa...  | 1.0000          | 1    |
| TL Suman        | Subrata Roy Sa...  | 1.0000          | 1    |
| AC Gilchrist    | Subrata Roy Sa...  | 1.0000          | 1    |
| MK Pandey       | Subrata Roy Sa...  | 1.0000          | 1    |
| EJG Morgan      | Subrata Roy Sa...  | 1.0000          | 1    |
| G Gambhir       | Subrata Roy Sa...  | 1.0000          | 1    |

| Player_Name    | Venue_Name        | Average_Wickets | Rank |
|----------------|-------------------|-----------------|------|
| YK Pathan      | Subrata Roy Sa... | 1.0000          | 1    |
| M Rawat        | Subrata Roy Sa... | 1.0000          | 1    |
| WD Parnell     | Subrata Roy Sa... | 1.0000          | 1    |
| RN ten Does... | Subrata Roy Sa... | 1.0000          | 1    |
| Parvez Rasool  | Subrata Roy Sa... | 1.0000          | 1    |
| DR Smith       | Subrata Roy Sa... | 1.0000          | 1    |
| SR Tendulkar   | Subrata Roy Sa... | 1.0000          | 1    |
| KD Karthik     | Subrata Roy Sa... | 1.0000          | 1    |
| AT Rayudu      | Subrata Roy Sa... | 1.0000          | 1    |
| RG Sharma      | Subrata Roy Sa... | 1.0000          | 1    |
| Q de Kock      | Subrata Roy Sa... | 1.0000          | 1    |
| DA Warner      | Subrata Roy Sa... | 1.0000          | 1    |
| DPMD Jaya...   | Subrata Roy Sa... | 1.0000          | 1    |
| V Sehwag       | Subrata Roy Sa... | 1.0000          | 1    |
| B Chipli       | Subrata Roy Sa... | 1.0000          | 1    |
| BJ Rohrer      | Subrata Roy Sa... | 1.0000          | 1    |
| AB Dinda       | Subrata Roy Sa... | 1.0000          | 1    |
| CM Gautam      | Subrata Roy Sa... | 1.0000          | 1    |
| KV Sharma      | Subrata Roy Sa... | 1.0000          | 1    |
| SPD Smith      | Subrata Roy Sa... | 1.0000          | 1    |
| NLTC Perera    | Subrata Roy Sa... | 1.0000          | 1    |
| A Mishra       | Subrata Roy Sa... | 1.0000          | 1    |
| GH Vihari      | Subrata Roy Sa... | 1.0000          | 1    |

| Player_Name     | Venue_Name        | Average_Wickets | Rank |
|-----------------|-------------------|-----------------|------|
| M Morkel        | Subrata Roy Sa... | 1.0000          | 1    |
| AJ Finch        | Subrata Roy Sa... | 1.0000          | 1    |
| DH Yagnik       | Subrata Roy Sa... | 1.0000          | 1    |
| R Dravid        | Subrata Roy Sa... | 1.0000          | 1    |
| STR Binny       | Subrata Roy Sa... | 1.0000          | 1    |
| AM Rahane       | Subrata Roy Sa... | 1.0000          | 1    |
| MDKJ Perera     | Subrata Roy Sa... | 1.0000          | 1    |
| BB Samantray    | Subrata Roy Sa... | 1.0000          | 1    |
| RV Uthappa      | Subrata Roy Sa... | 1.0000          | 1    |
| MEK Hussey      | Subrata Roy Sa... | 1.0000          | 1    |
| Yuvraj Singh    | Subrata Roy Sa... | 1.0000          | 1    |
| WP Saha         | Subrata Roy Sa... | 1.0000          | 1    |
| LJ Wright       | Subrata Roy Sa... | 1.0000          | 1    |
| S Badrinath     | Subrata Roy Sa... | 1.0000          | 1    |
| KW Richardson   | Subrata Roy Sa... | 1.0000          | 1    |
| CH Gayle        | Subrata Roy Sa... | 1.0000          | 1    |
| V Kohli         | Subrata Roy Sa... | 1.0000          | 1    |
| SS Tiwary       | Subrata Roy Sa... | 1.0000          | 1    |
| BAW Mendis      | Subrata Roy Sa... | 1.0000          | 1    |
| AM Nayar        | Subrata Roy Sa... | 1.0000          | 1    |
| R Sharma        | Subrata Roy Sa... | 1.0000          | 1    |
| B Kumar         | Subrata Roy Sa... | 1.0000          | 1    |
| MR Marsh        | Subrata Roy Sa... | 1.0000          | 1    |
| Player_Name     | Venue_Name        | Average_Wickets | Rank |
| LRPL Taylor     | Subrata Roy Sa... | 1.0000          | 1    |
| AD Mathews      | Subrata Roy Sa... | 1.0000          | 1    |
| Mandeep Si...   | Subrata Roy Sa... | 1.0000          | 1    |
| M de Lange      | Wankhede Stadi... | 1.0000          | 1    |
| KP Pietersen    | Wankhede Stadi... | 1.0000          | 1    |
| V Sehwag        | Wankhede Stadi... | 1.0000          | 1    |
| CA Pujara       | Wankhede Stadi... | 1.0000          | 1    |
| CM Gautam       | Wankhede Stadi... | 1.0000          | 1    |
| GJ Bailey       | Wankhede Stadi... | 1.0000          | 1    |
| CJ Anderson     | Wankhede Stadi... | 1.0000          | 1    |
| J Suchith       | Wankhede Stadi... | 1.0000          | 1    |
| JP Duminy       | Wankhede Stadi... | 1.0000          | 1    |
| SS Iyer         | Wankhede Stadi... | 1.0000          | 1    |
| HH Pandya       | Wankhede Stadi... | 1.0000          | 1    |
| MA Agarwal      | Wankhede Stadi... | 1.0000          | 1    |
| TM Dilshan      | Wankhede Stadi... | 1.0000          | 1    |
| MK Pandey       | Wankhede Stadi... | 1.0000          | 1    |
| Shakib Al Ha... | Wankhede Stadi... | 1.0000          | 1    |
| AD Russell      | Wankhede Stadi... | 1.0000          | 1    |
| SA Yadav        | Wankhede Stadi... | 1.0000          | 1    |
| CH Gayle        | Wankhede Stadi... | 1.0000          | 1    |
| V Kohli         | Wankhede Stadi... | 1.0000          | 1    |
| AB de Villiers  | Wankhede Stadi... | 1.0000          | 1    |

| Player_Name    | Venue_Name        | Average_Wickets | Rank |
|----------------|-------------------|-----------------|------|
| DR Smith       | Wankhede Stadi... | 1.0000          | 1    |
| KB Arun Kar... | Wankhede Stadi... | 1.0000          | 1    |
| RG Sharma      | Wankhede Stadi... | 1.0000          | 1    |
| SS Tiwary      | Wankhede Stadi... | 1.0000          | 1    |
| J Syed Moh...  | Wankhede Stadi... | 1.0000          | 1    |
| TG Southee     | Wankhede Stadi... | 1.0000          | 1    |
| MA Starc       | Wankhede Stadi... | 1.0000          | 1    |
| HV Patel       | Wankhede Stadi... | 1.0000          | 1    |
| RR Rossouw     | Wankhede Stadi... | 1.0000          | 1    |
| DJ Hooda       | Wankhede Stadi... | 1.0000          | 1    |
| P Negi         | Wankhede Stadi... | 1.0000          | 1    |
| SPD Smith      | Wankhede Stadi... | 1.0000          | 1    |
| Harbhajan S... | Wankhede Stadi... | 1.0000          | 1    |
| MR Marsh       | Wankhede Stadi... | 1.0000          | 1    |
| AM Nayar       | Wankhede Stadi... | 1.0000          | 1    |
| AD Mathews     | Wankhede Stadi... | 1.0000          | 1    |
| Yuvraj Singh   | Wankhede Stadi... | 1.0000          | 1    |
| TL Suman       | Wankhede Stadi... | 1.0000          | 1    |
| RV Uthappa     | Wankhede Stadi... | 1.0000          | 1    |
| LRPL Taylor    | Wankhede Stadi... | 1.0000          | 1    |
| AJ Finch       | Wankhede Stadi... | 1.0000          | 1    |
| R McLaren      | Wankhede Stadi... | 1.0000          | 1    |
| R Bhata        | Wankhede Stadi... | 1.0000          | 1    |

| Player_Name   | Venue_Name        | Average_Wickets | Rank |
|---------------|-------------------|-----------------|------|
| SP Narine     | Wankhede Stadi... | 1.0000          | 1    |
| L Balaji      | Wankhede Stadi... | 1.0000          | 1    |
| PA Patel      | Wankhede Stadi... | 1.0000          | 1    |
| S Dhawan      | Wankhede Stadi... | 1.0000          | 1    |
| A Nehra       | Wankhede Stadi... | 1.0000          | 1    |
| JC Buttler    | Wankhede Stadi... | 1.0000          | 1    |
| AT Rayudu     | Wankhede Stadi... | 1.0000          | 1    |
| MC Juneja     | Wankhede Stadi... | 1.0000          | 1    |
| KA Pollard    | Wankhede Stadi... | 1.0000          | 1    |
| S Nadeem      | Wankhede Stadi... | 1.0000          | 1    |
| KM Jadhav     | Wankhede Stadi... | 1.0000          | 1    |
| KD Karthik    | Wankhede Stadi... | 1.0000          | 1    |
| IK Pathan     | Wankhede Stadi... | 1.0000          | 1    |
| BMAJ Mendis   | Wankhede Stadi... | 1.0000          | 1    |
| DA Warner     | Wankhede Stadi... | 1.0000          | 1    |
| DPMJ Jaya...  | Wankhede Stadi... | 1.0000          | 1    |
| SR Tendulkar  | Wankhede Stadi... | 1.0000          | 1    |
| RT Ponting    | Wankhede Stadi... | 1.0000          | 1    |
| UBT Chand     | Wankhede Stadi... | 1.0000          | 1    |
| Mandeep Si... | Wankhede Stadi... | 1.0000          | 1    |
| M Vohra       | Wankhede Stadi... | 1.0000          | 1    |
| SE Marsh      | Wankhede Stadi... | 1.0000          | 1    |
| BB McCullum   | Wankhede Stadi... | 1.0000          | 1    |

| Player_Name   | Venue_Name        | Average_Wickets | Rank |
|---------------|-------------------|-----------------|------|
| LMP Simmons   | Wankhede Stadi... | 1.0000          | 1    |
| F du Plessis  | Wankhede Stadi... | 1.0000          | 1    |
| M Manhas      | Wankhede Stadi... | 1.0000          | 1    |
| R Vinay Kumar | Wankhede Stadi... | 1.0000          | 1    |
| DW Steyn      | Wankhede Stadi... | 1.0000          | 1    |
| RS Bopara     | Wankhede Stadi... | 1.0000          | 1    |
| KL Rahul      | Wankhede Stadi... | 1.0000          | 1    |
| NV Ojha       | Wankhede Stadi... | 1.0000          | 1    |
| DJ Hussey     | Wankhede Stadi... | 1.0000          | 1    |
| KH Pandya     | Wankhede Stadi... | 1.0000          | 1    |
| GH Vihari     | Wankhede Stadi... | 1.0000          | 1    |
| Azhar Mahm... | Wankhede Stadi... | 1.0000          | 1    |
| MS Gony       | Wankhede Stadi... | 1.0000          | 1    |
| PP Chawla     | Wankhede Stadi... | 1.0000          | 1    |
| DA Miller     | Wankhede Stadi... | 1.0000          | 1    |
| P Kumar       | Wankhede Stadi... | 1.0000          | 1    |
| R Dravid      | Wankhede Stadi... | 1.0000          | 1    |
| GJ Maxwell    | Wankhede Stadi... | 1.0000          | 1    |
| WP Saha       | Wankhede Stadi... | 1.0000          | 1    |
| JP Faulkner   | Wankhede Stadi... | 1.0000          | 1    |
| AD Nath       | Wankhede Stadi... | 1.0000          | 1    |
| SV Samson     | Wankhede Stadi... | 1.0000          | 1    |
| AM Rahane     | Wankhede Stadi... | 1.0000          | 1    |

| Player_Name     | Venue_Name        | Average_Wickets | Rank |
|-----------------|-------------------|-----------------|------|
| SR Watson       | Wankhede Stadi... | 1.0000          | 1    |
| AP Tare         | Wankhede Stadi... | 1.0000          | 1    |
| DH Yagnik       | Wankhede Stadi... | 1.0000          | 1    |
| BJ Hodge        | Wankhede Stadi... | 1.0000          | 1    |
| M Vijay         | Wankhede Stadi... | 1.0000          | 1    |
| SK Raina        | Wankhede Stadi... | 1.0000          | 1    |
| S Badrinath     | Wankhede Stadi... | 1.0000          | 1    |
| DJ Bravo        | Wankhede Stadi... | 1.0000          | 1    |
| R Ashwin        | Wankhede Stadi... | 1.0000          | 1    |
| Gurkeerat Si... | Wankhede Stadi... | 1.0000          | 1    |
| MS Dhoni        | Wankhede Stadi... | 1.0000          | 1    |
| CH Morris       | Wankhede Stadi... | 1.0000          | 1    |
| MM Sharma       | Wankhede Stadi... | 1.0000          | 1    |
| RA Jadeja       | Wankhede Stadi... | 1.0000          | 1    |
| R Dhawan        | Wankhede Stadi... | 1.0000          | 1    |
| G Gambhir       | Wankhede Stadi... | 1.0000          | 1    |
| TM Head         | Wankhede Stadi... | 1.0000          | 1    |
| SN Khan         | Wankhede Stadi... | 1.0000          | 1    |
| STR Binny       | Wankhede Stadi... | 1.0000          | 1    |
| MS Bisla        | Wankhede Stadi... | 1.0000          | 1    |
| YK Pathan       | Wankhede Stadi... | 1.0000          | 1    |
| JH Kallis       | Wankhede Stadi... | 1.0000          | 1    |
| EJG Morgan      | Wankhede Stadi... | 1.0000          | 1    |

| Player_Name | Venue_Name        | Average_Wickets | Rank |
|-------------|-------------------|-----------------|------|
| MG Johnson  | Wankhede Stadi... | 1.0000          | 1    |
| DB Das      | Wankhede Stadi... | 1.0000          | 1    |
| SL Malinga  | Wankhede Stadi... | 1.0000          | 1    |
| BR Dunk     | Wankhede Stadi... | 1.0000          | 1    |
| KK Nair     | Wankhede Stadi... | 1.0000          | 1    |
| S Gopal     | Wankhede Stadi... | 1.0000          | 1    |
| PP Ojha     | Wankhede Stadi... | 1.0000          | 1    |
| MK Tiwary   | Wankhede Stadi... | 1.0000          | 1    |
| MEK Hussey  | Wankhede Stadi... | 1.0000          | 1    |

## Explanation-

-- This query determines the average number of wickets taken by each bowler at different venues and ranks the bowlers based on their average wickets. The process is structured as follows:

- Calculate Total Wickets:** A subquery aggregates the total wickets taken by each player in each match. It groups the data by **Match\_Id** and **Player\_Out**, counting the number of wickets.
- Join Tables:** The main query joins the results of the subquery with the **Player**, **Matches**, and **Venue** tables to associate each bowler with their name and the venue where they played.
- Calculate Average Wickets:** The query calculates the average wickets taken by each bowler at each venue using the **AVG()** function.
- Ranking:** The **RANK()** window function is used to rank the bowlers based on their average wickets for each venue, ordering them in descending order.
- Grouping and Ordering:** The results are grouped by bowler name and venue name, and the final output is ordered by venue name and average wickets in descending order.

This approach provides insights into the performance of bowlers at different venues, allowing for effective comparisons and analysis.

14. Which of the given players have consistently performed well in past seasons? (will you use any visualization to solve the problem)

Ans- with PlayerPerformance as (

```
select p.Player_Id, p.Player_Name, sum(case when
pm.Role_Id = 1 then b.Runs_Scored else 0 end) as Total_Runs,
      sum(case when pm.Role_Id = 2 then w.Player_Out else 0
end) as Total_Wickets,
      count(distinct m.Season_Id) as Seasons_Played
  from Player p
  left join Player_Match pm on p.Player_Id = pm.Player_Id
  left join Ball_by_Ball b on pm.Match_Id = b.Match_Id and
b.Striker = p.Player_Id
  left join Wicket_Taken w on pm.Match_Id = w.Match_Id and
w.Player_Out = p.Player_Id
  left join Matches m on pm.Match_Id = m.Match_Id
  group by p.Player_Id, p.Player_Name)
select Player_Id, Player_Name, Total_Runs, Total_Wickets,
Seasons_Played
  from PlayerPerformance
 where (Total_Runs > 500 and Seasons_Played > 3) or
(Total_Wickets > 20 and Seasons_Played > 3)
```

```
order by Total_Runs desc, Total_Wickets desc;
```

## OUTPUT-

| Player_Id | Player_Name    | Total_Runs | Total_Wickets | Seasons_Played |
|-----------|----------------|------------|---------------|----------------|
| 8         | V Kohli        | 2472       | 0             | 4              |
| 57        | RG Sharma      | 1669       | 0             | 4              |
| 40        | G Gambhir      | 1569       | 0             | 4              |
| 187       | DA Warner      | 1458       | 0             | 4              |
| 351       | SV Samson      | 0          | 181116        | 4              |
| 355       | Q de Kock      | 0          | 137385        | 4              |
| 354       | KL Rahul       | 0          | 89916         | 4              |
| 88        | KD Karthik     | 0          | 81488         | 4              |
| 183       | NV Ojha        | 0          | 67527         | 4              |
| 46        | RV Uthappa     | 0          | 58006         | 4              |
| 62        | WP Saha        | 0          | 35154         | 4              |
| 237       | KM Jadhav      | 0          | 33891         | 4              |
| 17        | PA Patel       | 0          | 13277         | 4              |
| 207       | AP Tare        | 0          | 9729          | 4              |
| 110       | AB de Villiers | 0          | 3850          | 4              |

-- Components Used in the Query:

- 1. Common Table Expression (CTE): Creates a temporary result set (PlayerPerformance) for aggregation.
- 2. SELECT Statement: Specifies the columns to retrieve (Player\_Id, Player\_Name, Total\_Runs, Total\_Wickets, Seasons\_Played).
- 3. Aggregate Functions: SUM() calculates total runs and wickets; COUNT(DISTINCT ...) counts distinct seasons.
- 4. CASE Statement: Differentiates between runs scored by batsmen and wickets taken by bowlers.
- 5. JOINS: LEFT JOIN combines data from multiple tables to gather comprehensive performance data.

- 6. GROUP BY Clause: Groups results by player ID and name for aggregation.
- 7. WHERE Clause: Filters results to include only players meeting performance criteria.
- 8. ORDER BY Clause: Sorts final results by total runs and wickets in descending order.

-- Identify Consistent Performers (Using Man of the Match):

```
select P.Player_Name, count(M.Match_Id) as Matches_Won
from matches M
join Player P on M.Man_of_the_Match = P.Player_Id
group by P.Player_Name
having count(M.Match_Id) > 5
order by Matches_Won desc;
```

#### OUTPUT-

| Player_Name    | Matches_Won |
|----------------|-------------|
| DA Warner      | 11          |
| AM Rahane      | 10          |
| V Kohli        | 9           |
| AB de Villiers | 9           |
| RG Sharma      | 8           |
| MEK Hussey     | 7           |
| DR Smith       | 7           |
| SK Raina       | 7           |
| RA Jadeja      | 6           |
| AD Russell     | 6           |

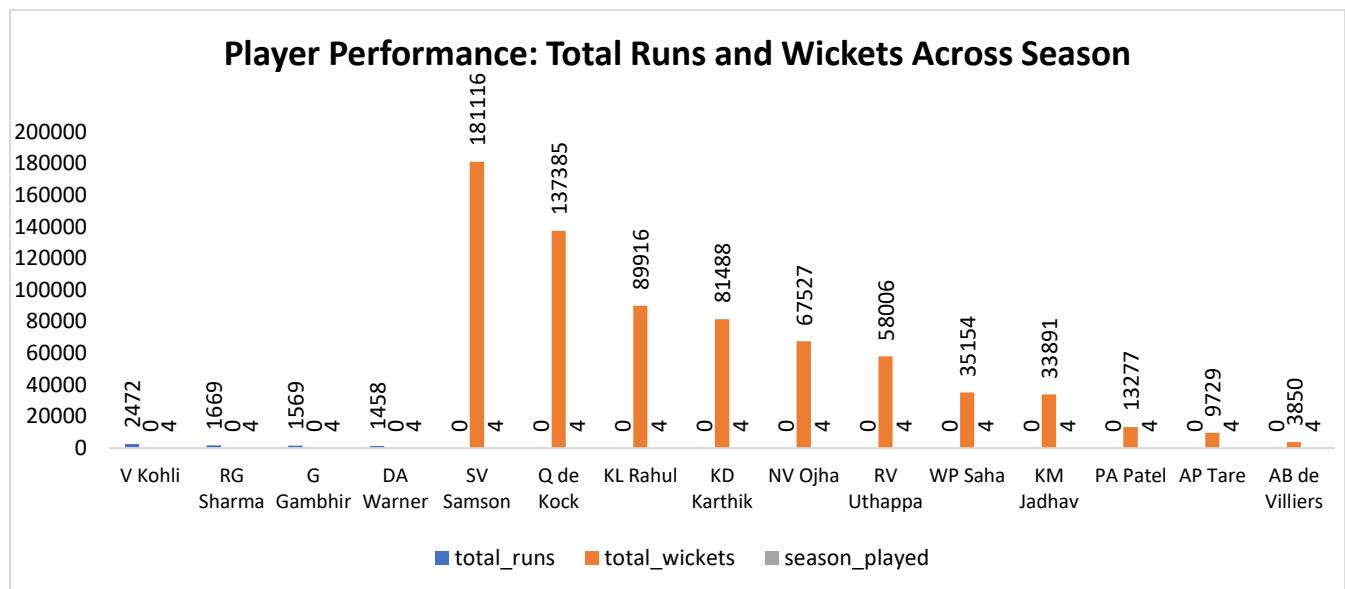
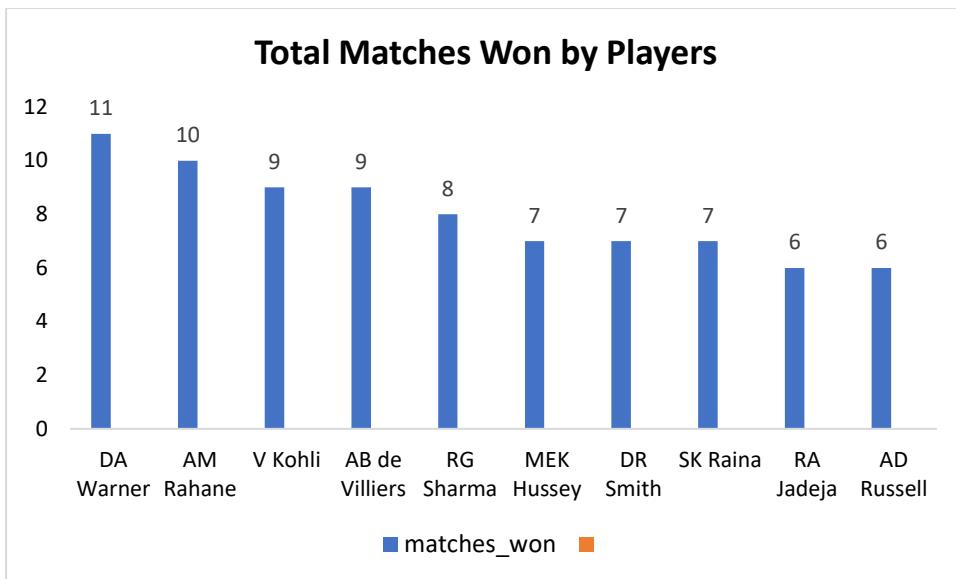
-- This query identifies players who have been awarded 'Man of the Match' in more than five matches. It counts the number of matches each player has won this award, filtering for those with more than five wins.

To find out which players have consistently performed well in past seasons, I would look at two main things:

1. **Overall Performance:** I would check for players who have scored more than 500 runs or taken over 20 wickets across multiple seasons. This shows they can contribute significantly to the team over time.
2. **"Man of the Match" Awards:** I would also look for players who have been awarded "Man of the Match" in more than 5 games. This indicates they have made a big impact in important matches.

## Visualization

To make this information clearer, I would use visualizations like bar charts. These can help show trends in performance and highlight which players are consistently delivering strong results.



15. Are there players whose performance is more suited to specific venues or conditions? (how would you present this using charts?)

Ans-

```
select P.Player_Name, V.Venue_Name, count(M.Match_Id) as  
Matches_Performed, count(M.Man_of_the_Match) as  
Man_of_the_Match_Count  
from matches M  
join Player P on M.Man_of_the_Match = P.Player_Id  
join Venue V on M.Venue_Id = V.Venue_Id  
group by P.Player_Name, V.Venue_Name  
having count(M.Man_of_the_Match) > 0  
order by P.Player_Name, V.Venue_Name;
```

OUTPUT-

| Player_Name    | Venue_Name   | Matches_Performed | Man_of_the_Match_Count |
|----------------|--|-------------------|------------------------|
| A Mishra       | Feroz Shah Kotla                                   | 2                 | 2                      |
| A Mishra       | Rajiv Gandhi International Stadium Uppal           | 2                 | 2                      |
| A Mishra       | Subrata Roy Sahara Stadium                         | 1                 | 1                      |
| A Nehra        | Dr. Y.S. Rajasekhara Reddy ACA-VDCA Cricket ...    | 1                 | 1                      |
| A Nehra        | JSCA International Stadium Complex                 | 1                 | 1                      |
| A Nehra        | MA Chidambaram Stadium Chepauk                     | 1                 | 1                      |
| A Nehra        | Wankhede Stadium                                   | 1                 | 1                      |
| A Zampa        | Dr. Y.S. Rajasekhara Reddy ACA-VDCA Cricket ...    | 1                 | 1                      |
| AB de Villiers | JSCA International Stadium Complex                 | 1                 | 1                      |
| AB de Villiers | M Chinnaswamy Stadium                              | 4                 | 4                      |
| AB de Villiers | Maharashtra Cricket Association Stadium            | 2                 | 2                      |
| AB de Villiers | Subrata Roy Sahara Stadium                         | 1                 | 1                      |
| AB de Villiers | Wankhede Stadium                                   | 1                 | 1                      |
| AB Dinda       | Dr. Y.S. Rajasekhara Reddy ACA-VDCA Cricket ...    | 1                 | 1                      |
| AB Dinda       | Rajiv Gandhi International Stadium Uppal           | 1                 | 1                      |
| AC Gilchrist   | M Chinnaswamy Stadium                              | 1                 | 1                      |
| AD Russell     | Eden Gardens                                       | 4                 | 4                      |
| AD Russell     | M Chinnaswamy Stadium                              | 1                 | 1                      |
| AD Russell     | Maharashtra Cricket Association Stadium            | 1                 | 1                      |
| AJ Finch       | Dubai International Cricket Stadium                | 1                 | 1                      |
| AJ Finch       | Punjab Cricket Association IS Bindra Stadium Mo... | 1                 | 1                      |
| AJ Finch       | Saurashtra Cricket Association Stadium             | 1                 | 1                      |
| AJ Finch       | Subrata Roy Sahara Stadium                         | 1                 | 1                      |

| Player_Name   | Venue_Name                                      | Matches_Performed | Man_of_the_Match_Count |
|---------------|---|-------------------|------------------------|
| AJ Finch      | Wankhede Stadium                                | 1                 | 1                      |
| AM Rahane     | Brabourne Stadium                               | 1                 | 1                      |
| AM Rahane     | Dr. Y.S. Rajasekhara Reddy ACA-VDCA Cricket ... | 1                 | 1                      |
| AM Rahane     | Feroz Shah Kotla                                | 1                 | 1                      |
| AM Rahane     | Sardar Patel Stadium Motera                     | 2                 | 2                      |
| AM Rahane     | Sawai Mansingh Stadium                          | 3                 | 3                      |
| AM Rahane     | Sheikh Zayed Stadium                            | 1                 | 1                      |
| AM Rahane     | Wankhede Stadium                                | 1                 | 1                      |
| AP Tare       | Wankhede Stadium                                | 1                 | 1                      |
| AR Patel      | Feroz Shah Kotla                                | 1                 | 1                      |
| AR Patel      | Punjab Cricket Association Stadium Mohali       | 1                 | 1                      |
| AR Patel      | Saurashtra Cricket Association Stadium          | 1                 | 1                      |
| AT Rayudu     | Rajiv Gandhi International Stadium Uppal        | 1                 | 1                      |
| AT Rayudu     | Wankhede Stadium                                | 1                 | 1                      |
| Azhar Mahm... | Himachal Pradesh Cricket Association Stadium    | 1                 | 1                      |
| B Kumar       | Dubai International Cricket Stadium             | 1                 | 1                      |
| B Kumar       | Rajiv Gandhi International Stadium Uppal        | 1                 | 1                      |
| B Kumar       | Sardar Patel Stadium Motera                     | 1                 | 1                      |
| B Kumar       | Saurashtra Cricket Association Stadium          | 1                 | 1                      |
| BB McCullum   | MA Chidambaram Stadium Chepauk                  | 2                 | 2                      |
| BCJ Cutting   | M Chinnaswamy Stadium                           | 1                 | 1                      |
| BJ Hodge      | Feroz Shah Kotla                                | 1                 | 1                      |
| CA Lynn       | Sharjah Cricket Stadium                         | 1                 | 1                      |

| Player_Name   | Venue_Name                                       | Matches_Performed | Man_of_the_Match_Count |
|---------------|--|-------------------|------------------------|
| CH Gayle      | Eden Gardens                                     | 1                 | 1                      |
| CH Gayle      | M Chinnaswamy Stadium                            | 4                 | 4                      |
| CH Morris     | Feroz Shah Kotla                                 | 1                 | 1                      |
| CH Morris     | Rajiv Gandhi International Stadium Uppal         | 1                 | 1                      |
| CJ Anderson   | Wankhede Stadium                                 | 2                 | 2                      |
| CR Brathwaite | Feroz Shah Kotla                                 | 1                 | 1                      |
| DA Miller     | Himachal Pradesh Cricket Association Stadium     | 1                 | 1                      |
| DA Miller     | Punjab Cricket Association Stadium Mohali        | 2                 | 2                      |
| DA Warner     | Dr. Y.S. Rajasekhara Reddy ACA-VDCA Cricket ...  | 1                 | 1                      |
| DA Warner     | Feroz Shah Kotla                                 | 1                 | 1                      |
| DA Warner     | JSCA International Stadium Complex               | 1                 | 1                      |
| DA Warner     | M Chinnaswamy Stadium                            | 1                 | 1                      |
| DA Warner     | Rajiv Gandhi International Stadium Uppal         | 5                 | 5                      |
| DA Warner     | Shaheed Veer Narayan Singh International Stad... | 2                 | 2                      |
| DJ Bravo      | MA Chidambaram Stadium Chepauk                   | 1                 | 1                      |
| DJ Hooda      | Feroz Shah Kotla                                 | 1                 | 1                      |
| DJG Sammy     | Rajiv Gandhi International Stadium Uppal         | 1                 | 1                      |
| DR Smith      | Eden Gardens                                     | 1                 | 1                      |
| DR Smith      | Feroz Shah Kotla                                 | 1                 | 1                      |
| DR Smith      | Green Park                                       | 1                 | 1                      |
| DR Smith      | Maharashtra Cricket Association Stadium          | 1                 | 1                      |
| DR Smith      | Sharjah Cricket Stadium                          | 1                 | 1                      |
| DR Smith      | Wankhede Stadium                                 | 2                 | 2                      |

| Player_Name    | Venue_Name   | Matches_Performed | Man_of_the_Match_Count |
|----------------|--|-------------------|------------------------|
| DW Steyn       | Feroz Shah Kotla                                   | 1                 | 1                      |
| EJG Morgan     | Brabourne Stadium                                  | 1                 | 1                      |
| G Gambhir      | Barabati Stadium                                   | 1                 | 1                      |
| G Gambhir      | Eden Gardens                                       | 1                 | 1                      |
| G Gambhir      | Feroz Shah Kotla                                   | 1                 | 1                      |
| G Gambhir      | Rajiv Gandhi International Stadium Uppal           | 1                 | 1                      |
| G Gambhir      | Subrata Roy Sahara Stadium                         | 1                 | 1                      |
| GH Vihari      | Rajiv Gandhi International Stadium Uppal           | 2                 | 2                      |
| GJ Bailey      | Wankhede Stadium                                   | 1                 | 1                      |
| GJ Maxwell     | Barabati Stadium                                   | 1                 | 1                      |
| GJ Maxwell     | Sharjah Cricket Stadium                            | 2                 | 2                      |
| GJ Maxwell     | Sheikh Zayed Stadium                               | 1                 | 1                      |
| Harbhajan S... | Eden Gardens                                       | 1                 | 1                      |
| Harbhajan S... | M Chinnaswamy Stadium                              | 1                 | 1                      |
| Harbhajan S... | Wankhede Stadium                                   | 1                 | 1                      |
| Harmeet Singh  | Feroz Shah Kotla                                   | 1                 | 1                      |
| HH Pandya      | MA Chidambaram Stadium Chepauk                     | 1                 | 1                      |
| HH Pandya      | Wankhede Stadium                                   | 1                 | 1                      |
| HM Amla        | Punjab Cricket Association IS Bindra Stadium Mo... | 1                 | 1                      |
| I Sharma       | Rajiv Gandhi International Stadium Uppal           | 1                 | 1                      |
| JD Unadkat     | Feroz Shah Kotla                                   | 1                 | 1                      |
| JH Kallis      | Eden Gardens                                       | 1                 | 1                      |
| JH Kallis      | JSCA International Stadium Complex                 | 1                 | 1                      |

| Player_Name | Venue_Name   | Matches_Performed | Man_of_the_Match_Count |
|-------------|--|-------------------|------------------------|
| JH Kallis   | Sheikh Zayed Stadium                               | 1                 | 1                      |
| JP Duminy   | Dr. Y.S. Rajasekhara Reddy ACA-VDCA Cricket ...    | 1                 | 1                      |
| JP Duminy   | Dubai International Cricket Stadium                | 1                 | 1                      |
| JP Faulkner | M Chinnaswamy Stadium                              | 1                 | 1                      |
| JP Faulkner | Maharashtra Cricket Association Stadium            | 1                 | 1                      |
| JP Faulkner | Sawai Mansingh Stadium                             | 2                 | 2                      |
| JP Faulkner | Sheikh Zayed Stadium                               | 1                 | 1                      |
| KA Pollard  | Eden Gardens                                       | 1                 | 1                      |
| KA Pollard  | MA Chidambaram Stadium Chepauk                     | 1                 | 1                      |
| KA Pollard  | Wankhede Stadium                                   | 2                 | 2                      |
| KD Karthik  | Wankhede Stadium                                   | 1                 | 1                      |
| KH Pandya   | Dr. Y.S. Rajasekhara Reddy ACA-VDCA Cricket ...    | 1                 | 1                      |
| KH Pandya   | M Chinnaswamy Stadium                              | 1                 | 1                      |
| KK Cooper   | Punjab Cricket Association Stadium Mohali          | 1                 | 1                      |
| KK Nair     | Feroz Shah Kotla                                   | 1                 | 1                      |
| KK Nair     | Shaheed Veer Narayan Singh International Stad...   | 1                 | 1                      |
| LJ Wright   | Subrata Roy Sahara Stadium                         | 1                 | 1                      |
| LMP Simmons | Punjab Cricket Association Stadium Mohali          | 2                 | 2                      |
| M Morkel    | Eden Gardens                                       | 1                 | 1                      |
| M Vijay     | Sharjah Cricket Stadium                            | 1                 | 1                      |
| M Vohra     | Punjab Cricket Association IS Bindra Stadium Mo... | 1                 | 1                      |
| M Vohra     | Punjab Cricket Association Stadium Mohali          | 1                 | 1                      |
| M Vohra     | Subrata Roy Sahara Stadium                         | 1                 | 1                      |

| Player_Name   | Venue_Name   | Matches_Performed | Man_of_the_Match_Count |
|---------------|--|-------------------|------------------------|
| M Vohra       | Subrata Roy Sahara Stadium                         | 1                 | 1                      |
| MA Agarwal    | Maharashtra Cricket Association Stadium            | 1                 | 1                      |
| MA Starc      | Sardar Patel Stadium Motera                        | 1                 | 1                      |
| Mandeep Si... | M Chinnaswamy Stadium                              | 1                 | 1                      |
| MC Henriques  | Feroz Shah Kotla                                   | 1                 | 1                      |
| MC Henriques  | Shaheed Veer Narayan Singh International Stad...   | 1                 | 1                      |
| MEK Hussey    | Feroz Shah Kotla                                   | 2                 | 2                      |
| MEK Hussey    | MA Chidambaram Stadium Chepauk                     | 2                 | 2                      |
| MEK Hussey    | Punjab Cricket Association Stadium Mohali          | 1                 | 1                      |
| MEK Hussey    | Sardar Patel Stadium Motera                        | 1                 | 1                      |
| MEK Hussey    | Wankhede Stadium                                   | 1                 | 1                      |
| MG Johnson    | Subrata Roy Sahara Stadium                         | 1                 | 1                      |
| MG Johnson    | Wankhede Stadium                                   | 1                 | 1                      |
| MJ McClena... | Rajiv Gandhi International Stadium Uppal           | 1                 | 1                      |
| MK Pandey     | JSCA International Stadium Complex                 | 1                 | 1                      |
| MK Pandey     | M Chinnaswamy Stadium                              | 1                 | 1                      |
| MM Sharma     | Dubai International Cricket Stadium                | 1                 | 1                      |
| MP Stoinis    | Dr. Y.S. Rajasekhara Reddy ACA-VDCA Cricket ...    | 1                 | 1                      |
| MP Stoinis    | Punjab Cricket Association IS Bindra Stadium Mo... | 1                 | 1                      |
| MS Dhoni      | Dr. Y.S. Rajasekhara Reddy ACA-VDCA Cricket ...    | 1                 | 1                      |
| MS Dhoni      | M Chinnaswamy Stadium                              | 1                 | 1                      |
| MS Dhoni      | MA Chidambaram Stadium Chepauk                     | 2                 | 2                      |
| MS Dhoni      | Subrata Roy Sahara Stadium                         | 1                 | 1                      |

| Player_Name     | Venue_Name   | Matches_Performed | Man_of_the_Match_Count |
|-----------------|--|-------------------|------------------------|
| MS Gony         | Punjab Cricket Association Stadium Mohali          | 1                 | 1                      |
| Mustafizur R... | Rajiv Gandhi International Stadium Uppal           | 1                 | 1                      |
| NM Coulter...   | Feroz Shah Kotla                                   | 1                 | 1                      |
| P Kumar         | Eden Gardens                                       | 1                 | 1                      |
| P Negi          | Punjab Cricket Association Stadium Mohali          | 1                 | 1                      |
| PA Patel        | Dubai International Cricket Stadium                | 1                 | 1                      |
| PA Patel        | Punjab Cricket Association IS Bindra Stadium Mo... | 1                 | 1                      |
| PA Patel        | Punjab Cricket Association Stadium Mohali          | 1                 | 1                      |
| PA Patel        | Rajiv Gandhi International Stadium Uppal           | 1                 | 1                      |
| PP Chawla       | Eden Gardens                                       | 1                 | 1                      |
| PV Tambe        | Sardar Patel Stadium Motera                        | 1                 | 1                      |
| PV Tambe        | Sheikh Zayed Stadium                               | 1                 | 1                      |
| Q de Kock       | M Chinnaswamy Stadium                              | 1                 | 1                      |
| R Dravid        | Feroz Shah Kotla                                   | 1                 | 1                      |
| R Vinay Kumar   | M Chinnaswamy Stadium                              | 1                 | 1                      |
| RA Jadeja       | Dubai International Cricket Stadium                | 1                 | 1                      |
| RA Jadeja       | Eden Gardens                                       | 1                 | 1                      |
| RA Jadeja       | JSCA International Stadium Complex                 | 2                 | 2                      |
| RA Jadeja       | MA Chidambaram Stadium Chepauk                     | 2                 | 2                      |
| RG Sharma       | Eden Gardens                                       | 2                 | 2                      |
| RG Sharma       | Maharashtra Cricket Association Stadium            | 1                 | 1                      |
| RG Sharma       | Wankhede Stadium                                   | 5                 | 5                      |
| RR Pant         | Saurashtra Cricket Association Stadium             | 1                 | 1                      |

| Player_Name   | Venue_Name  | Matches_Performed | Man_of_the_Match_Count |
|---------------|---|-------------------|------------------------|
| RV Uthappa    | Barabati Stadium                                    | 1                 | 1                      |
| RV Uthappa    | Eden Gardens  | 2                 | 2                      |
| RV Uthappa    | Punjab Cricket Association IS Bindra Stadium Mohali | 1                 | 1                      |
| SA Yadav      | Maharashtra Cricket Association Stadium             | 1                 | 1                      |
| Sandeep Sh... | Dubai International Cricket Stadium                 | 1                 | 1                      |
| Sandeep Sh... | M Chinnaswamy Stadium                               | 1                 | 1                      |
| Sandeep Sh... | Sheikh Zayed Stadium                                | 1                 | 1                      |
| SE Marsh      | Punjab Cricket Association Stadium Mohali           | 1                 | 1                      |
| SE Marsh      | Sardar Patel Stadium Motera                         | 1                 | 1                      |
| SK Raina      | Brabourne Stadium                                   | 1                 | 1                      |
| SK Raina      | Green Park  | 1                 | 1                      |
| SK Raina      | M Chinnaswamy Stadium                               | 1                 | 1                      |
| SK Raina      | MA Chidambaram Stadium Chepauk                      | 2                 | 2                      |
| SK Raina      | Rajiv Gandhi International Stadium Uppal            | 1                 | 1                      |
| SK Raina      | Sheikh Zayed Stadium                                | 1                 | 1                      |
| SK Trivedi    | Sawai Mansingh Stadium                              | 1                 | 1                      |
| SL Malinga    | Wankhede Stadium                                    | 1                 | 1                      |
| SP Narine     | Eden Gardens  | 1                 | 1                      |
| SPD Smith     | MA Chidambaram Stadium Chepauk                      | 1                 | 1                      |
| SPD Smith     | Sardar Patel Stadium Motera                         | 1                 | 1                      |
| SR Tendulkar  | Wankhede Stadium                                    | 1                 | 1                      |
| SR Watson     | Brabourne Stadium                                   | 1                 | 1                      |
| SR Watson     | Punjab Cricket Association IS Bindra Stadium Mohali | 1                 | 1                      |
| Player_Name   | Venue_Name  | Matches_Performed | Man_of_the_Match_Count |
| SR Watson     | Brabourne Stadium                                   | 1                 | 1                      |
| SR Watson     | Punjab Cricket Association IS Bindra Stadium Mohali | 1                 | 1                      |
| SR Watson     | Sawai Mansingh Stadium                              | 1                 | 1                      |
| SS Iyer       | Feroz Shah Kotla                                    | 1                 | 1                      |
| SV Samson     | Feroz Shah Kotla                                    | 1                 | 1                      |
| SV Samson     | Sawai Mansingh Stadium                              | 1                 | 1                      |
| TA Boult      | Punjab Cricket Association Stadium Mohali           | 1                 | 1                      |
| UT Yadav      | Eden Gardens  | 2                 | 2                      |
| UT Yadav      | Feroz Shah Kotla                                    | 1                 | 1                      |
| UT Yadav      | Rajiv Gandhi International Stadium Uppal            | 1                 | 1                      |
| V Kohli       | Eden Gardens  | 1                 | 1                      |
| V Kohli       | M Chinnaswamy Stadium                               | 5                 | 5                      |
| V Kohli       | Rajiv Gandhi International Stadium Uppal            | 1                 | 1                      |
| V Kohli       | Saurashtra Cricket Association Stadium              | 1                 | 1                      |
| V Kohli       | Shaheed Veer Narayan Singh International Stadium    | 1                 | 1                      |
| V Sehwag      | Feroz Shah Kotla                                    | 1                 | 1                      |
| V Sehwag      | Wankhede Stadium                                    | 1                 | 1                      |
| VR Aaron      | Feroz Shah Kotla                                    | 1                 | 1                      |
| WP Saha       | Rajiv Gandhi International Stadium Uppal            | 1                 | 1                      |
| YK Pathan     | Eden Gardens  | 4                 | 4                      |
| YS Chahal     | Sharjah Cricket Stadium                             | 1                 | 1                      |
| Yuvraj Singh  | M Chinnaswamy Stadium                               | 1                 | 1                      |
| Z Khan        | Shaheed Veer Narayan Singh International Stadium    | 1                 | 1                      |

## **Explanation-**

--To determine if there are players whose performance is more suited to specific venues or conditions, I would analyze the number of matches played by each player at different venues and how many times they were awarded "Man of the Match" at those venues.

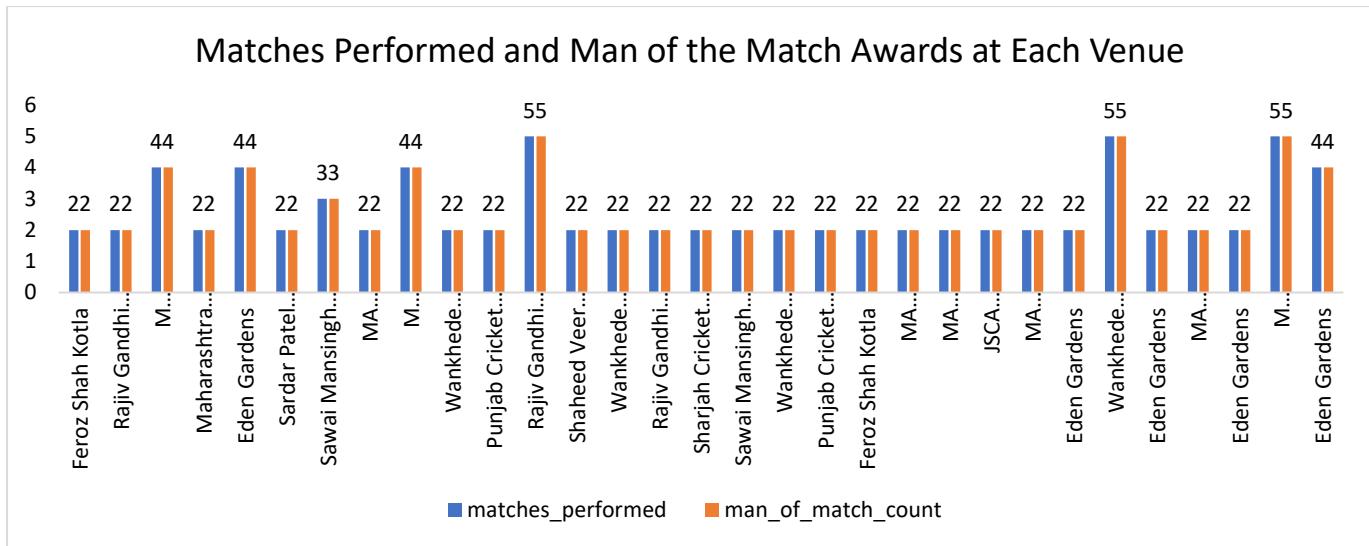
Here's a breakdown of the approach:

## **SQL Query Explanation**

1. **Data Retrieval:** The query selects the player names, venue names, the count of matches performed, and the count of "Man of the Match" awards.
2. **Joining Tables:** It joins the **matches**, **Player**, and **Venue** tables to gather relevant data about player performances at specific venues.
3. **Grouping and Filtering:** The results are grouped by player and venue, and filtered to include only those players who have received at least one "Man of the Match" award at a venue.
4. **Ordering Results:** The final output is ordered by player name and venue name for clarity.

## **Presentation**

To present this data visually, I use Bar chart.



In the data visualization, I applied filters to focus on the **venue**, **matches performed**, and **man of match count** columns. Specifically, I set the filter to display only the **top 10 players** based on the number of matches performed at each venue, along with their corresponding **man of match count**. This approach allows for a clearer analysis of the players who have had the most significant impact in terms of performance at specific venues, highlighting both their participation and recognition through 'Man of the Match' awards.

# Subjective Questions

1. How does the toss decision affect the result of the match? (which visualizations could be used to present your answer better) And is the impact limited to only specific venues?

Ans- select T.Toss\_Name, M.Win\_Type, count(M.Match\_Id) as Matches\_Played,

count(case when M.Match\_Winner = M.Toss\_Winner then 1  
end ) as Wins\_For\_Toss\_Winner,

count(case when M.Match\_Winner != M.Toss\_Winner then 1  
end ) as Wins\_For\_Opponent

from matches M

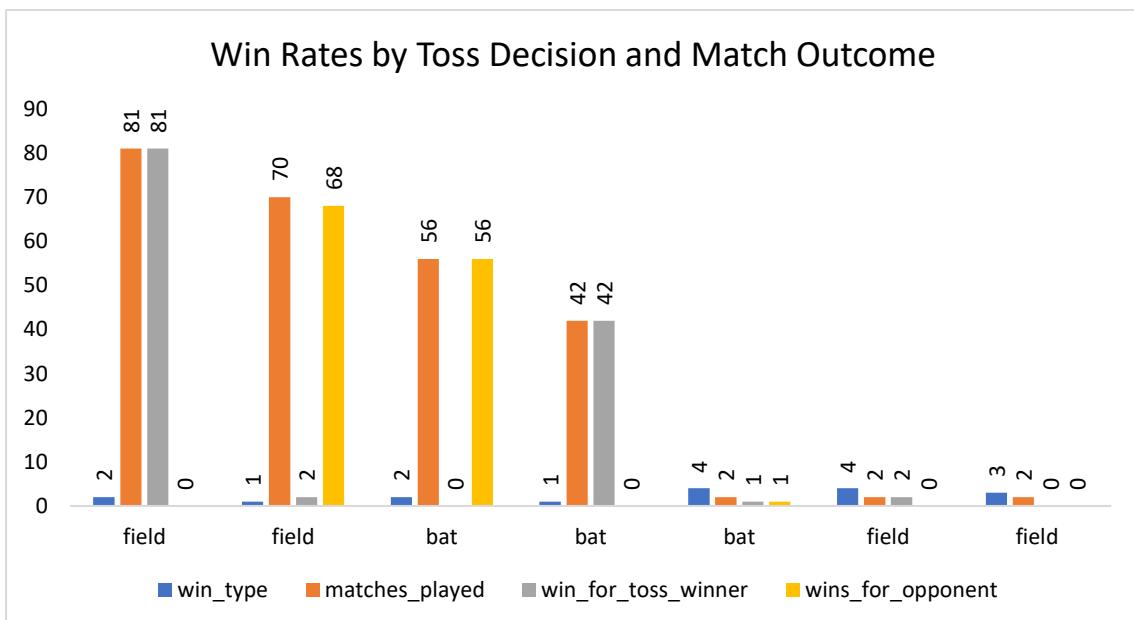
join Toss\_Decision T on M.Toss\_Decide = T.Toss\_Id

group by T.Toss\_Name, M.Win\_Type

order by Matches\_Played desc;

## OUTPUT-

| Toss_Name | Win_Type | Matches_Played | Wins_For_Toss_Winner | Wins_For_Opponent |
|-----------|----------|----------------|----------------------|-------------------|
| field     | 2        | 81             | 81                   | 0                 |
| field     | 1        | 70             | 2                    | 68                |
| bat       | 2        | 56             | 0                    | 56                |
| bat       | 1        | 42             | 42                   | 0                 |
| bat       | 4        | 2              | 1                    | 1                 |
| field     | 4        | 2              | 2                    | 0                 |
| field     | 3        | 2              | 0                    | 0                 |



## Approach

1. Data Retrieval: The SQL query retrieves data on match outcomes based on toss decisions. It counts the total matches played, wins for the toss winner, and wins for the opponent.
2. Joining Tables: The query joins the matches table with the Toss\_Decision table to correlate toss decisions with match results.

3. Grouping and Counting: The results are grouped by toss decision and match win type, allowing for a clear comparison of outcomes based on who won the toss.
4. Ordering Results: The results are ordered by the number of matches played, providing a clear view of the most common toss decisions.

## Insights

1. Toss Impact: The results will show how often the team that wins the toss also wins the match. A high count of wins for the toss winner compared to the total matches played indicates a significant impact of the toss on match outcomes.
2. Opponent Wins: The count of wins for the opponent will help assess whether the toss decision is a critical factor or if teams can overcome a toss loss.
3. Win Types: Analyzing the Win\_Type can provide insights into whether certain toss decisions lead to more wins in specific match formats (e.g., T20, ODI, Test).
4. Venue-Specific Analysis: If the query is extended to include venue information, it can reveal whether the impact of the toss is more pronounced at certain venues.

## Recommendations

1. Strategic Toss Decisions: Teams should analyze historical data to understand the correlation between toss decisions and match outcomes. If winning the toss significantly increases the chances of winning, teams may prioritize strategies around the toss.
2. Venue Analysis: Conduct further analysis to see if the impact of the toss varies by venue. If certain venues show a stronger

correlation between toss wins and match wins, teams should consider this when preparing for matches at those locations.

2. Suggest some of the players who would be best fit for the team.

```
Ans- with PlayerPerformance as (select p.Player_Id,  
p.Player_Name, sum(coalesce(b.Runs_Scored, 0)) as  
Total_Runs,  
count(wt.Player_Out) as Total_Wickets, count(b.Match_Id) as  
Matches_Played,  
avg(coalesce(b.Runs_Scored, 0)) as Average_Runs, avg(case  
when wt.Player_Out is not null then 1 else 0 end) as  
Wicket_Taking_Average  
from Player p  
left join Ball_by_Ball b on p.Player_Id = b.Striker -- Assuming  
Striker is the Player_Id for runs  
left join Wicket_Taken wt on b.Match_Id = wt.Match_Id  
and b.Over_Id = wt.Over_Id and b.Ball_Id = wt.Ball_Id and  
b.Innings_No = wt.Innings_No  
group by p.Player_Id, p.Player_Name)  
select pp.Player_Id, pp.Player_Name, pp.Total_Runs,  
pp.Total_Wickets, pp.Average_Runs, pp.Wicket_Taking_Average  
from PlayerPerformance pp
```

```

where pp.Average_Runs > 30 or pp.Total_Wickets > 10
order by pp.Average_Runs desc, pp.Total_Wickets desc;

```

## OUTPUT-

| Player_Id | Player_Name      | Total_Runs | Total_Wickets | Average_Runs | Wicket_Taking_Average |
|-----------|------------------|------------|---------------|--------------|-----------------------|
| 110       | AB de Villiers   | 1968       | 42            | 1.6427       | 0.0351                |
| 334       | AD Russell       | 527        | 18            | 1.6316       | 0.0557                |
| 305       | GJ Maxwell       | 913        | 39            | 1.5660       | 0.0669                |
| 325       | A Ashish Reddy   | 245        | 11            | 1.4759       | 0.0663                |
| 221       | KA Pollard       | 1320       | 38            | 1.4286       | 0.0411                |
| 320       | DA Miller        | 1382       | 40            | 1.4145       | 0.0409                |
| 187       | DA Warner        | 2348       | 54            | 1.4094       | 0.0324                |
| 284       | RN ten Doeschate | 198        | 12            | 1.4043       | 0.0851                |
| 280       | NLTC Perera      | 397        | 21            | 1.3930       | 0.0737                |
| 31        | YK Pathan        | 1273       | 35            | 1.3928       | 0.0383                |
| 310       | JP Faulkner      | 459        | 22            | 1.3825       | 0.0663                |
| 162       | CH Gayle         | 1634       | 44            | 1.3743       | 0.0370                |
| 20        | MS Dhoni         | 1488       | 42            | 1.3714       | 0.0387                |
| 8         | V Kohli          | 2472       | 54            | 1.3568       | 0.0296                |
| 407       | JC Buttler       | 255        | 11            | 1.3492       | 0.0582                |
| 21        | SK Raina         | 1844       | 54            | 1.3362       | 0.0391                |
| 372       | CJ Anderson      | 379        | 12            | 1.3345       | 0.0423                |
| 306       | SPD Smith        | 879        | 28            | 1.3298       | 0.0424                |
| 57        | RG Sharma        | 1899       | 55            | 1.3252       | 0.0384                |
| 104       | BJ Hodge         | 394        | 11            | 1.3221       | 0.0369                |
| 394       | DJ Hooda         | 295        | 20            | 1.3170       | 0.0893                |
| 2         | BB McCullum      | 1201       | 45            | 1.3140       | 0.0492                |
| 32        | SR Watson        | 1315       | 48            | 1.3111       | 0.0479                |

| Player_Id | Player_Name     | Total_Runs | Total_Wickets | Average_Runs | Wicket_Taking_Average |
|-----------|-----------------|------------|---------------|--------------|-----------------------|
| 237       | KM Jadhav       | 532        | 19            | 1.3071       | 0.0467                |
| 308       | SA Yadav        | 503        | 22            | 1.3031       | 0.0570                |
| 62        | WP Saha         | 951        | 39            | 1.3010       | 0.0534                |
| 355       | Q de Kock       | 726        | 25            | 1.2827       | 0.0442                |
| 154       | JP Duminy       | 1015       | 23            | 1.2767       | 0.0289                |
| 89        | R Bhatia        | 200        | 13            | 1.2739       | 0.0828                |
| 41        | V Sehwag        | 849        | 37            | 1.2729       | 0.0555                |
| 46        | RV Uthappa      | 1852       | 60            | 1.2711       | 0.0412                |
| 147       | DR Smith        | 1707       | 55            | 1.2710       | 0.0410                |
| 255       | STR Binny       | 553        | 26            | 1.2683       | 0.0596                |
| 191       | AD Mathews      | 316        | 15            | 1.2640       | 0.0600                |
| 276       | Shakib Al Hasan | 379        | 17            | 1.2633       | 0.0567                |
| 50        | Harbhajan Singh | 353        | 21            | 1.2607       | 0.0750                |
| 53        | AC Gilchrist    | 294        | 12            | 1.2564       | 0.0513                |
| 345       | M Vohra         | 728        | 29            | 1.2552       | 0.0500                |
| 339       | KK Nair         | 877        | 34            | 1.2529       | 0.0486                |
| 27        | Yuvraj Singh    | 1098       | 45            | 1.2491       | 0.0512                |
| 163       | MC Henriques    | 643        | 26            | 1.2389       | 0.0501                |
| 207       | AP Tare         | 271        | 17            | 1.2374       | 0.0776                |
| 197       | GJ Bailey       | 600        | 24            | 1.2371       | 0.0495                |
| 383       | LMP Simmons     | 942        | 21            | 1.2362       | 0.0276                |
| 254       | AJ Finch        | 1181       | 36            | 1.2354       | 0.0377                |
| 236       | Mandeep Singh   | 441        | 22            | 1.2318       | 0.0615                |

| Player_Id | Player_Name      | Total_Runs | Total_Wickets | Average_Runs | Wicket_Taking_Average |
|-----------|------------------|------------|---------------|--------------|-----------------------|
| 208       | AT Rayudu        | 1241       | 47            | 1.2287       | 0.0465                |
| 354       | KL Rahul         | 725        | 26            | 1.2247       | 0.0439                |
| 303       | F du Plessis     | 889        | 27            | 1.2245       | 0.0372                |
| 158       | KP Pietersen     | 367        | 13            | 1.2233       | 0.0433                |
| 100       | SE Marsh         | 622        | 22            | 1.2220       | 0.0432                |
| 88        | KD Karthik       | 1311       | 58            | 1.2184       | 0.0539                |
| 321       | Azhar Mahmood    | 202        | 11            | 1.2169       | 0.0663                |
| 19        | MEK Hussey       | 1019       | 27            | 1.2131       | 0.0321                |
| 216       | EJG Morgan       | 617        | 23            | 1.2122       | 0.0452                |
| 71        | DJ Bravo         | 423        | 24            | 1.1949       | 0.0678                |
| 35        | RA Jadeja        | 670        | 32            | 1.1796       | 0.0563                |
| 362       | DJG Sammy        | 295        | 15            | 1.1753       | 0.0598                |
| 374       | AR Patel         | 379        | 21            | 1.1734       | 0.0650                |
| 17        | PA Patel         | 1015       | 44            | 1.1694       | 0.0507                |
| 85        | AM Rahane        | 1847       | 49            | 1.1690       | 0.0310                |
| 351       | SV Samson        | 1040       | 41            | 1.1685       | 0.0461                |
| 133       | SR Tendulkar     | 283        | 14            | 1.1646       | 0.0576                |
| 400       | HH Pandya        | 156        | 12            | 1.1642       | 0.0896                |
| 42        | S Dhawan         | 1542       | 46            | 1.1638       | 0.0347                |
| 96        | MK Pandey        | 1018       | 37            | 1.1634       | 0.0423                |
| 393       | SS Iyer          | 469        | 19            | 1.1552       | 0.0468                |
| 40        | G Gambhir        | 1569       | 55            | 1.1478       | 0.0402                |
| 183       | NV Ojha          | 514        | 26            | 1.1473       | 0.0580                |
| 4         | DJ Hussey        | 351        | 13            | 1.1471       | 0.0425                |
| 260       | MA Agarwal       | 422        | 26            | 1.1405       | 0.0703                |
| 67        | PP Chawla        | 176        | 17            | 1.1355       | 0.1097                |
| 329       | Gurkeerat Singh  | 256        | 20            | 1.1327       | 0.0885                |
| 10        | CL White         | 226        | 12            | 1.1300       | 0.0600                |
| 185       | M Vijay          | 1223       | 45            | 1.1159       | 0.0411                |
| 166       | KV Sharma        | 267        | 14            | 1.1125       | 0.0583                |
| 87        | MK Tiwary        | 355        | 16            | 1.0991       | 0.0495                |
| 6         | R Dravid         | 471        | 16            | 1.0878       | 0.0370                |
| 64        | DPMD Jayawardene | 331        | 14            | 1.0280       | 0.0435                |
| 214       | MS Bisla         | 295        | 17            | 1.0279       | 0.0592                |
| 201       | R Ashwin         | 173        | 11            | 1.0176       | 0.0647                |
| 9         | JH Kallis        | 462        | 21            | 1.0087       | 0.0459                |
| 299       | B Kumar          | 113        | 14            | 0.9912       | 0.1228                |
| 262       | UBT Chand        | 262        | 16            | 0.9813       | 0.0599                |
| 29        | IK Pathan        | 219        | 14            | 0.9481       | 0.0606                |
| 14        | P Kumar          | 89         | 12            | 0.9368       | 0.1263                |
| 357       | MG Johnson       | 131        | 14            | 0.9357       | 0.1000                |
| 48        | AM Nayar         | 109        | 11            | 0.8790       | 0.0887                |
| 340       | GH Vihari        | 280        | 18            | 0.8669       | 0.0557                |

## Approach

1. **Data Aggregation:** The SQL query uses a Common Table Expression (CTE) named **PlayerPerformance** to aggregate player statistics. It calculates:
  - **Total Runs:** The total runs scored by each player.
  - **Total Wickets:** The total wickets taken by each player.
  - **Matches Played:** The number of matches each player has participated in.
  - **Average Runs:** The average runs scored per match.
  - **Wicket-Taking Average:** The average number of wickets taken per match.
2. **Joining Tables:** The query joins the **Player**, **Ball\_by\_Ball**, and **Wicket\_Taken** tables to gather the necessary data on player performance.
3. **Filtering Criteria:** The main query filters players based on performance criteria:
  - Players with an average of more than 30 runs or more than 10 total wickets are considered.
4. **Ordering Results:** The results are ordered by average runs and total wickets in descending order, highlighting the top-performing players.

## Insights

1. **Performance Metrics:** The query identifies players who have demonstrated solid performance in terms of both batting and bowling. Players with an average of over 30 runs are generally considered reliable batsmen, while those with over 10 wickets show effectiveness as bowlers.

2. **Balanced Team Composition:** By selecting players based on both runs and wickets, the analysis helps in identifying well-rounded players who can contribute in multiple facets of the game.
3. **Potential Stars:** The players listed in the results are likely to be key contributors to the team, making them strong candidates for selection.

## Recommendations

1. **Team Selection:** Use the results to inform team selection, focusing on players who meet the performance criteria. Consider including players who excel in both batting and bowling to create a balanced team.
2. **Further Analysis:** Conduct additional analysis to assess players' performances in different conditions (e.g., home vs. away matches, different pitches) to ensure they are well-suited for the specific challenges the team may face.
3. What are some of the parameters that should be focused on while selecting the players?

Ans- select P.Player\_Id, P.Player\_Name, avg(BB.Runs\_Scored) as Batting\_Average,

avg(BB.Runs\_Scored \* 1.0 / (case when W.Player\_Out > 0 then W.Player\_Out else 1 end)) as Batting\_Strike\_Rate,

avg(case when BB.Runs\_Scored > 0 then 1 else 0 end) as Consistency\_Score,

```
    avg(case when W.Player_Out is not null then 1 else 0 end) as
Wickets_Performance,
    count(distinct M.Season_Id) as Number_of_Seasons,
    sum(case when BB.Runs_Scored > 50 then 1 else 0 end) as
Matches_With_50_Plus,
    sum(case when W.Player_Out is not null then 1 else 0 end) as
Matches_With_Wickets,
    avg(BB.Runs_Scored) +avg(case when W.Player_Out is not
null then 10 else 0 end) as Total_Performance_Score
from Player P
join Ball_by_Ball BB on P.Player_Id = BB.Striker or P.Player_Id =
BB.Bowler
left join Wicket_Taken W on BB.Match_Id = W.Match_Id and
BB.Over_Id = W.Over_Id and BB.Ball_Id = W.Ball_Id
join matches M on BB.Match_Id = M.Match_Id
group by P.Player_Id, P.Player_Name
having count(distinct M.Season_Id) > 1
order by Total_Performance_Score desc;
```

OUTPUT-

| Player_Id | Player_Name      | Batting_Average | Batting_Strike_Rate | Consistency_Score | Wickets_Performance | Number_of_Seasons | Matches_With_50_Plus | Matches_With_Wickets | Total_Performance_Score |
|-----------|------------------|-----------------|---------------------|-------------------|---------------------|-------------------|----------------------|----------------------|-------------------------|
| 125       | S Anirudha       | 0.4286          | 0.428571428         | 0.4286            | 0.2857              | 2                 | 0                    | 2                    | 3.2857                  |
| 402       | SN Khan          | 1.7353          | 1.638139313         | 0.7573            | 0.1359              | 2                 | 0                    | 14                   | 3.0945                  |
| 325       | A Adish Reddy    | 1.5170          | 1.405449811         | 0.7063            | 0.1561              | 3                 | 0                    | 42                   | 3.0783                  |
| 373       | NJ Maddison      | 0.9524          | 0.952380952         | 0.2857            | 0.1905              | 2                 | 0                    | 4                    | 2.8572                  |
| 386       | Imran Tahir      | 1.3362          | 1.237367505         | 0.6484            | 0.1368              | 3                 | 0                    | 65                   | 2.7046                  |
| 209       | R Sathish        | 1.4969          | 1.362310993         | 0.6848            | 0.1152              | 2                 | 0                    | 19                   | 2.6484                  |
| 334       | AD Russell       | 1.4616          | 1.383850413         | 0.5968            | 0.1185              | 4                 | 0                    | 104                  | 2.5461                  |
| 284       | RN ten Doeschate | 1.3333          | 1.246597794         | 0.6633            | 0.1276              | 3                 | 0                    | 25                   | 2.6088                  |
| 228       | Bipul Sharma     | 1.3611          | 1.300345055         | 0.6667            | 0.1222              | 3                 | 0                    | 22                   | 2.5833                  |
| 385       | BCJ Cutting      | 1.3969          | 1.324619007         | 0.6074            | 0.1185              | 2                 | 0                    | 16                   | 2.5821                  |
| 422       | KC Carappa       | 1.5635          | 1.524525317         | 0.6563            | 0.2016              | 2                 | 0                    | 13                   | 2.5791                  |
| 277       | DH Yagnik        | 1.2404          | 1.116107692         | 0.5714            | 0.1333              | 2                 | 0                    | 14                   | 2.5737                  |
| 311       | HV Patel         | 1.3707          | 1.315825400         | 0.5708            | 0.1198              | 3                 | 0                    | 55                   | 2.5690                  |
| 305       | GJ Maxwell       | 1.6388          | 1.592383359         | 0.6285            | 0.0929              | 4                 | 0                    | 73                   | 2.5676                  |
| 369       | Sachin Baby      | 1.3542          | 1.312642604         | 0.6364            | 0.1212              | 2                 | 0                    | 12                   | 2.5663                  |
| 310       | JP Faulkner      | 1.3782          | 1.290417815         | 0.6155            | 0.1160              | 4                 | 0                    | 162                  | 2.5378                  |
| 309       | KK Cooper        | 1.2992          | 1.204537172         | 0.6223            | 0.1233              | 2                 | 0                    | 62                   | 2.5318                  |
| 401       | D Wiese          | 1.3973          | 1.308322837         | 0.6797            | 0.1120              | 2                 | 0                    | 43                   | 2.5171                  |
| 390       | R Tewata         | 1.2353          | 1.118434352         | 0.6163            | 0.1279              | 2                 | 0                    | 11                   | 2.5144                  |
| 73        | A Nehra          | 1.2538          | 1.195469569         | 0.5351            | 0.1259              | 4                 | 0                    | 111                  | 2.5123                  |
| 280       | NLTC Perera      | 1.4155          | 1.338116426         | 0.6365            | 0.1096              | 3                 | 0                    | 98                   | 2.5117                  |
| 363       | KW Richardson    | 1.3081          | 1.236624453         | 0.5710            | 0.1202              | 3                 | 0                    | 44                   | 2.5103                  |
| 458       | TA Boult         | 1.3490          | 1.240952395         | 0.5169            | 0.1159              | 2                 | 0                    | 24                   | 2.5084                  |

| Player_Id | Player_Name     | Batting_Average | Batting_Strike_Rate | Consistency_Score | Wickets_Performance | Number_of_Seasons | Matches_With_50_Plus | Matches_With_Wickets | Total_Performance_Score |
|-----------|-----------------|-----------------|---------------------|-------------------|---------------------|-------------------|----------------------|----------------------|-------------------------|
| 110       | AB de Villers   | 1.6749          | 1.607530544         | 0.7025            | 0.0833              | 4                 | 0                    | 103                  | 2.5082                  |
| 71        | DJ Bravo        | 1.2996          | 1.233345516         | 0.6323            | 0.1207              | 4                 | 0                    | 172                  | 2.5066                  |
| 23        | MS Dhoni        | 1.4091          | 1.293219441         | 0.6418            | 0.1096              | 4                 | 0                    | 119                  | 2.5049                  |
| 381       | Shivam Sharma   | 1.4530          | 1.291760085         | 0.6752            | 0.1026              | 2                 | 0                    | 12                   | 2.4785                  |
| 387       | BE Hendricks    | 1.4610          | 1.415749415         | 0.6863            | 0.1000              | 2                 | 0                    | 16                   | 2.4630                  |
| 222       | S Ladda         | 1.6250          | 1.585317500         | 0.7500            | 0.0833              | 2                 | 0                    | 2                    | 2.4583                  |
| 342       | R Shukla        | 1.4060          | 1.341114812         | 0.5821            | 0.1045              | 2                 | 0                    | 14                   | 2.4508                  |
| 329       | Gurjeerat Singh | 1.1556          | 1.123209205         | 0.6065            | 0.1290              | 3                 | 0                    | 40                   | 2.4459                  |
| 81        | R Vinay Kumar   | 1.3654          | 1.292834413         | 0.6258            | 0.1071              | 4                 | 0                    | 103                  | 2.4361                  |
| 221       | KA Pollard      | 1.5182          | 1.428927464         | 0.6410            | 0.0899              | 4                 | 0                    | 126                  | 2.4176                  |
| 308       | SA Yadav        | 1.3307          | 1.28454713          | 0.6237            | 0.1086              | 3                 | 0                    | 43                   | 2.4166                  |
| 237       | NM Jadhav       | 1.3367          | 1.225923718         | 0.6814            | 0.1078              | 4                 | 0                    | 44                   | 2.4151                  |
| 321       | Azhar Mahmood   | 1.2856          | 1.200644866         | 0.5982            | 0.1148              | 2                 | 0                    | 52                   | 2.4135                  |
| 392       | Karanveer Singh | 1.4595          | 1.423531216         | 0.6320            | 0.0952              | 2                 | 0                    | 22                   | 2.4119                  |
| 380       | RR Rossouw      | 1.0392          | 1.039215686         | 0.5098            | 0.1373              | 2                 | 0                    | 7                    | 2.4117                  |
| 253       | MR Marsh        | 1.2357          | 1.168897441         | 0.5880            | 0.1163              | 2                 | 0                    | 35                   | 2.3985                  |
| 316       | GB Hogg         | 1.2560          | 1.169394200         | 0.6142            | 0.1142              | 3                 | 0                    | 29                   | 2.3977                  |
| 207       | AP Tare         | 1.2605          | 1.204970325         | 0.5409            | 0.1136              | 4                 | 0                    | 25                   | 2.3969                  |
| 364       | MM Sharma       | 1.2873          | 1.217825163         | 0.5829            | 0.1100              | 4                 | 0                    | 148                  | 2.3877                  |
| 232       | UT Yadav        | 1.3744          | 1.286092052         | 0.5936            | 0.1010              | 4                 | 0                    | 116                  | 2.3840                  |
| 367       | Sandeep Sharma  | 1.2031          | 1.121910482         | 0.5174            | 0.1174              | 4                 | 0                    | 138                  | 2.3772                  |
| 388       | S Gopal         | 1.1761          | 1.079559225         | 0.6224            | 0.1189              | 3                 | 0                    | 17                   | 2.3649                  |
| 171       | M Manhas        | 1.2000          | 1.125294250         | 0.5814            | 0.1163              | 2                 | 0                    | 5                    | 2.3628                  |

| Player_Id | Player_Name    | Batting_Average | Batting_Strike_Rate | Consistency_Score | Wickets_Performance | Number_of_Seasons | Matches_With_50_Plus | Matches_With_Wickets | Total_Performance_Score |
|-----------|----------------|-----------------|---------------------|-------------------|---------------------|-------------------|----------------------|----------------------|-------------------------|
| 362       | DJG Sammy      | 1.3250          | 1.279632145         | 0.6149            | 0.1028              | 3                 | 0                    | 51                   | 2.3532                  |
| 191       | AD Mathews     | 1.2881          | 1.188027741         | 0.6667            | 0.1058              | 2                 | 0                    | 66                   | 2.3458                  |
| 403       | MJ McClenaghan | 1.3093          | 1.255284945         | 0.5336            | 0.1031              | 2                 | 0                    | 69                   | 2.3407                  |
| 400       | HH Pandya      | 1.4451          | 1.363548780         | 0.6110            | 0.0893              | 2                 | 0                    | 31                   | 2.3385                  |
| 398       | J Suchith      | 1.4640          | 1.372295827         | 0.6853            | 0.0874              | 2                 | 0                    | 25                   | 2.3381                  |
| 320       | DA Miller      | 1.4471          | 1.353103528         | 0.6684            | 0.0888              | 4                 | 0                    | 87                   | 2.3349                  |
| 106       | AB Dinda       | 1.3743          | 1.316323128         | 0.5965            | 0.0959              | 4                 | 0                    | 72                   | 2.3330                  |
| 62        | WP Saha        | 1.3301          | 1.248046157         | 0.6298            | 0.0997              | 4                 | 0                    | 73                   | 2.3274                  |
| 374       | AR Patel       | 1.2019          | 1.121399405         | 0.6192            | 0.1120              | 3                 | 0                    | 147                  | 2.3215                  |
| 350       | CH Morris      | 1.2793          | 1.201727007         | 0.5741            | 0.1036              | 3                 | 0                    | 107                  | 2.3151                  |
| 368       | S Kaul         | 1.3409          | 1.206346363         | 0.6283            | 0.0973              | 2                 | 0                    | 22                   | 2.3144                  |
| 104       | BJ Hodge       | 1.3278          | 1.243234548         | 0.6525            | 0.0984              | 2                 | 0                    | 30                   | 2.3114                  |
| 32        | SR Watson      | 1.3218          | 1.240868890         | 0.5572            | 0.0984              | 4                 | 0                    | 192                  | 2.3059                  |
| 194       | SL Malinga     | 1.1058          | 1.050155757         | 0.5538            | 0.1198              | 3                 | 0                    | 127                  | 2.3039                  |
| 382       | VS Chahal      | 1.2987          | 1.263137558         | 0.6408            | 0.0998              | 4                 | 0                    | 95                   | 2.2966                  |
| 357       | MG Johnson     | 1.2402          | 1.182186637         | 0.5135            | 0.1054              | 4                 | 0                    | 125                  | 2.2942                  |
| 2         | BB McCullum    | 1.3601          | 1.282304439         | 0.5497            | 0.0918              | 4                 | 0                    | 84                   | 2.2781                  |
| 41        | V Sehwag       | 1.3364          | 1.267975576         | 0.5386            | 0.0935              | 3                 | 0                    | 63                   | 2.2711                  |
| 246       | AH Ahmed       | 1.3762          | 1.267583380         | 0.6197            | 0.0892              | 3                 | 0                    | 19                   | 2.2682                  |
| 31        | YK Pathan      | 1.4205          | 1.349052816         | 0.6592            | 0.0847              | 4                 | 0                    | 91                   | 2.2678                  |
| 375       | JJ Brunrah     | 1.3296          | 1.248351951         | 0.5997            | 0.0935              | 4                 | 0                    | 68                   | 2.2650                  |
| 80        | DS Kulkarni    | 1.2452          | 1.220774603         | 0.5237            | 0.1017              | 4                 | 0                    | 88                   | 2.2625                  |
| 109       | JA Morkel      | 1.2696          | 1.203104305         | 0.5796            | 0.0990              | 4                 | 0                    | 51                   | 2.2599                  |

| Player_Id | Player_Name     | Batting_Average | Batting_Strike_Rate | Consistency_Score | Wickets_Performance | Number_of_Seasons | Matches_With_50_Plus | Matches_With_Wickets | Total_Performance_Score |
|-----------|-----------------|-----------------|---------------------|-------------------|---------------------|-------------------|----------------------|----------------------|-------------------------|
| 236       | Mandeep Singh   | 1.2528          | 1.205360738         | 0.5950            | 0.1005              | 3                 | 0                    | 36                   | 2.2584                  |
| 197       | GJ Bailey       | 1.2500          | 1.173911333         | 0.6407            | 0.1005              | 3                 | 0                    | 49                   | 2.2562                  |
| 306       | SPD Smith       | 1.3628          | 1.307788046         | 0.6722            | 0.0891              | 4                 | 0                    | 59                   | 2.2540                  |
| 246       | JD Unadkat      | 1.3523          | 1.283170094         | 0.6360            | 0.0901              | 4                 | 0                    | 48                   | 2.2529                  |
| 333       | P Awana         | 1.3452          | 1.254324163         | 0.5749            | 0.0903              | 2                 | 0                    | 44                   | 2.2487                  |
| 35        | RA Jadeja       | 1.2593          | 1.180732660         | 0.6529            | 0.0987              | 4                 | 0                    | 165                  | 2.2467                  |
| 192       | J Botha         | 1.1304          | 1.065997913         | 0.5598            | 0.1111              | 2                 | 0                    | 26                   | 2.2415                  |
| 61        | RP Singh        | 1.3565          | 1.322025845         | 0.5884            | 0.0884              | 2                 | 0                    | 29                   | 2.2406                  |
| 152       | CH Gayle        | 1.4061          | 1.327752908         | 0.5027            | 0.0834              | 4                 | 0                    | 108                  | 2.2401                  |
| 372       | CJ Anderson     | 1.4331          | 1.389623649         | 0.5674            | 0.0804              | 2                 | 0                    | 34                   | 2.2369                  |
| 260       | MA Agarwal      | 1.1821          | 1.147608095         | 0.5459            | 0.1054              | 4                 | 0                    | 39                   | 2.2352                  |
| 84        | I Sharma        | 1.3599          | 1.276583159         | 0.5349            | 0.0873              | 4                 | 0                    | 55                   | 2.2329                  |
| 21        | SK Raina        | 1.3618          | 1.302775213         | 0.6530            | 0.0860              | 4                 | 0                    | 141                  | 2.2216                  |
| 395       | Anureet Singh   | 1.3264          | 1.264071174         | 0.3999            | 0.0895              | 2                 | 0                    | 35                   | 2.2215                  |
| 339       | KX Nkr          | 1.2766          | 1.216920509         | 0.6006            | 0.0942              | 4                 | 0                    | 66                   | 2.2181                  |
| 87        | MK Tiwary       | 1.1713          | 1.086256055         | 0.6060            | 0.1045              | 3                 | 0                    | 35                   | 2.2151                  |
| 315       | SP Narine       | 1.0400          | 0.963655918         | 0.5481            | 0.1172              | 4                 | 0                    | 151                  | 2.2124                  |
| 371       | NM Coulter-Nile | 1.1816          | 1.101557172         | 0.5067            | 0.1027              | 4                 | 0                    | 46                   | 2.2084                  |
| 322       | P Negi          | 1.3995          | 1.347070046         | 0.6779            | 0.0805              | 4                 | 0                    | 36                   | 2.2049                  |
| 190       | M Morkel        | 1.2811          | 1.194574200         | 0.5294            | 0.0923              | 4                 | 0                    | 91                   | 2.2040                  |
| 347       | Mohammed Shami  | 1.3496          | 1.248667886         | 0.5795            | 0.0853              | 3                 | 0                    | 44                   | 2.2023                  |
| 270       | S Aravind       | 1.1754          | 1.133603438         | 0.5714            | 0.1020              | 2                 | 0                    | 30                   | 2.1958                  |
| 299       | B Kumar         | 1.1095          | 1.060074345         | 0.5077            | 0.1084              | 4                 | 0                    | 168                  | 2.1934                  |
| Player_Id | Player_Name     | Batting_Average | Batting_Strike_Rate | Consistency_Score | Wickets_Performance | Number_of_Seasons | Matches_With_50_Plus | Matches_With_Wickets | Total_Performance_Score |
| 389       | M de Lange      | 1.0794          | 1.058673921         | 0.5000            | 0.1111              | 2                 | 0                    | 6                    | 2.1895                  |
| 183       | NW Ojha         | 1.1926          | 1.156029280         | 0.5568            | 0.0980              | 4                 | 0                    | 44                   | 2.1726                  |
| 216       | EJG Morgan      | 1.2266          | 1.164649403         | 0.5745            | 0.0941              | 3                 | 0                    | 48                   | 2.1678                  |
| 349       | R Rampaul       | 1.0769          | 1.037521507         | 0.4773            | 0.1038              | 2                 | 0                    | 36                   | 2.1645                  |
| 89        | R Shastri       | 1.2311          | 1.156787305         | 0.7132            | 0.0926              | 4                 | 0                    | 83                   | 2.1574                  |
| 67        | PP Chawla       | 1.2206          | 1.158917030         | 0.6304            | 0.0935              | 4                 | 0                    | 110                  | 2.1552                  |
| 46        | RV Uthappa      | 1.3024          | 1.242434992         | 0.5148            | 0.0850              | 4                 | 0                    | 124                  | 2.1523                  |
| 378       | MA Starc        | 1.0994          | 1.054045760         | 0.5358            | 0.1052              | 2                 | 0                    | 75                   | 2.1513                  |
| 151       | L Balaji        | 1.2920          | 1.250726240         | 0.5802            | 0.0858              | 2                 | 0                    | 46                   | 2.1502                  |
| 88        | KD Karthik      | 1.2391          | 1.208337825         | 0.6132            | 0.0909              | 4                 | 0                    | 98                   | 2.1482                  |
| 166       | KV Sharma       | 1.2641          | 1.195586075         | 0.6266            | 0.0883              | 4                 | 0                    | 97                   | 2.1475                  |
| 163       | MC Henriques    | 1.2680          | 1.234153067         | 0.6298            | 0.0879              | 4                 | 0                    | 105                  | 2.1474                  |
| 394       | DJ Hooda        | 1.3238          | 1.287861605         | 0.5617            | 0.0821              | 2                 | 0                    | 33                   | 2.1447                  |
| 187       | DA Warner       | 1.4449          | 1.367658898         | 0.6347            | 0.0696              | 4                 | 0                    | 116                  | 2.1408                  |
| 147       | CR Smith        | 1.3224          | 1.279196579         | 0.5316            | 0.0818              | 4                 | 0                    | 128                  | 2.1403                  |
| 345       | M Vohra         | 1.2908          | 1.218749202         | 0.5464            | 0.0842              | 4                 | 0                    | 49                   | 2.1327                  |
| 8         | V Kohli         | 1.3789          | 1.297726471         | 0.6576            | 0.0753              | 4                 | 0                    | 139                  | 2.1319                  |
| 15        | Z Khan          | 1.1185          | 1.073692570         | 0.5048            | 0.1010              | 4                 | 0                    | 63                   | 2.1281                  |
| 27        | Yuvraj Singh    | 1.2738          | 1.200205811         | 0.5942            | 0.0850              | 4                 | 0                    | 105                  | 2.1238                  |
| 208       | AT Rayudu       | 1.2523          | 1.187097315         | 0.6601            | 0.0870              | 4                 | 0                    | 88                   | 2.1219                  |
| 429       | BB Sran         | 1.3469          | 1.334781906         | 0.6012            | 0.0774              | 2                 | 0                    | 26                   | 2.1207                  |
| 140       | Tqbal Abdulla   | 1.2756          | 1.225300600         | 0.6358            | 0.0841              | 4                 | 0                    | 39                   | 2.1161                  |
| 116       | PJ Sangwan      | 1.9231          | 1.854701769         | 0.6226            | 0.0189              | 2                 | 0                    | 1                    | 2.1118                  |

| Player_Id | Player_Name     | Batting_Average | Batting_Strike_Rate | Consistency_Score | Wickets_Performance | Number_of_Seasons | Matches_With_50_Plus | Matches_With_Wickets | Total_Performance_Score |
|-----------|-----------------|-----------------|---------------------|-------------------|---------------------|-------------------|----------------------|----------------------|-------------------------|
| 355       | Q de Kock       | 1.3176          | 1.288836497         | 0.5679            | 0.0794              | 4                 | 0                    | 45                   | 2.1113                  |
| 405       | PJ Cummins      | 1.3488          | 1.348837209         | 0.5129            | 0.0761              | 2                 | 0                    | 7                    | 2.1097                  |
| 50        | Harbhajan Singh | 1.1885          | 1.146275649         | 0.9981            | 0.0919              | 4                 | 0                    | 156                  | 2.1078                  |
| 336       | CA Lynn         | 1.1690          | 1.155758028         | 0.5600            | 0.0933              | 2                 | 0                    | 7                    | 2.1023                  |
| 370       | PV Tambe        | 1.2154          | 1.156111583         | 0.6434            | 0.0881              | 4                 | 0                    | 63                   | 2.0965                  |
| 267       | WD Parnell      | 1.2128          | 1.153420354         | 0.5185            | 0.0875              | 2                 | 0                    | 26                   | 2.0882                  |
| 255       | STR Binny       | 1.2393          | 1.199684154         | 0.6090            | 0.0847              | 4                 | 0                    | 73                   | 2.0862                  |
| 57        | RS Sharma       | 1.3375          | 1.287204019         | 0.6560            | 0.0746              | 4                 | 0                    | 109                  | 2.0831                  |
| 391       | JO Holder       | 1.3175          | 1.290497460         | 0.5649            | 0.0763              | 3                 | 0                    | 20                   | 2.0809                  |
| 276       | Shakib Al Hasan | 1.2360          | 1.186935116         | 0.6220            | 0.0844              | 3                 | 0                    | 75                   | 2.0796                  |
| 17        | PA Patel        | 1.2055          | 1.153885475         | 0.5460            | 0.0874              | 4                 | 0                    | 76                   | 2.0791                  |
| 131       | PP Ojha         | 1.2427          | 1.205926909         | 0.6140            | 0.0832              | 3                 | 0                    | 52                   | 2.0747                  |
| 356       | R.Dhawan        | 1.2086          | 1.135847340         | 0.6302            | 0.0863              | 4                 | 0                    | 56                   | 2.0715                  |
| 9         | JH Kallis       | 1.1271          | 1.047255870         | 0.5829            | 0.0943              | 2                 | 0                    | 87                   | 2.0697                  |
| 377       | TG Southee      | 1.3083          | 1.275759171         | 0.5696            | 0.0761              | 3                 | 0                    | 41                   | 2.0690                  |
| 48        | AN Nayar        | 0.9763          | 0.917947928         | 0.5632            | 0.1092              | 2                 | 0                    | 19                   | 2.0683                  |
| 296       | VR Aaron        | 1.3694          | 1.323134557         | 0.5460            | 0.0699              | 3                 | 0                    | 38                   | 2.0679                  |
| 19        | MEK Hussey      | 1.2352          | 1.154498181         | 0.6105            | 0.0831              | 3                 | 0                    | 70                   | 2.0666                  |
| 4         | DJ Hussey       | 1.2268          | 1.192051958         | 0.6361            | 0.0840              | 2                 | 0                    | 33                   | 2.0665                  |
| 203       | CA Pujara       | 0.9731          | 0.911867713         | 0.4891            | 0.1092              | 2                 | 0                    | 25                   | 2.0648                  |
| 303       | F du Plessis    | 1.2664          | 1.212892179         | 0.6602            | 0.0798              | 3                 | 0                    | 58                   | 2.0642                  |
| 136       | A Mishra        | 1.1667          | 1.109518245         | 0.6216            | 0.0891              | 4                 | 0                    | 114                  | 2.0580                  |
| 14        | P Kumar         | 1.1755          | 1.129200703         | 0.5233            | 0.0877              | 4                 | 0                    | 94                   | 2.0524                  |
| Player_Id | Player_Name     | Batting_Average | Batting_Strike_Rate | Consistency_Score | Wickets_Performance | Number_of_Seasons | Matches_With_50_Plus | Matches_With_Wickets | Total_Performance_Score |
| 29        | IK Pathan       | 1.1733          | 1.123957867         | 0.5797            | 0.0878              | 3                 | 0                    | 65                   | 2.0517                  |
| 354       | KL Rahul        | 1.2965          | 1.204925251         | 0.6334            | 0.0794              | 4                 | 0                    | 47                   | 2.0504                  |
| 63        | LR Shukla       | 1.0960          | 1.073419840         | 0.5197            | 0.0945              | 2                 | 0                    | 12                   | 2.0409                  |
| 186       | SB Jakati       | 1.4966          | 1.428552396         | 0.7279            | 0.0544              | 2                 | 0                    | 3                    | 2.0408                  |
| 94        | DW Steyn        | 1.1271          | 1.070795451         | 0.5184            | 0.0910              | 4                 | 0                    | 89                   | 2.0371                  |
| 120       | SE Marsh        | 1.2465          | 1.201076733         | 0.6059            | 0.0784              | 4                 | 0                    | 40                   | 2.0308                  |
| 96        | MK Pandey       | 1.1976          | 1.155727000         | 0.6249            | 0.0832              | 4                 | 0                    | 73                   | 2.0300                  |
| 351       | SV Samson       | 1.1872          | 1.128391835         | 0.6025            | 0.0829              | 4                 | 0                    | 74                   | 2.0159                  |
| 360       | CM Gautam       | 1.1267          | 1.106629100         | 0.4684            | 0.0885              | 3                 | 0                    | 14                   | 2.0128                  |
| 254       | AJ Finch        | 1.2785          | 1.227988673         | 0.5672            | 0.0733              | 4                 | 0                    | 72                   | 2.0118                  |
| 393       | SS Dyer         | 1.2150          | 1.191833082         | 0.5209            | 0.0785              | 2                 | 0                    | 32                   | 2.0012                  |
| 83        | M Kartik        | 1.2743          | 1.251886458         | 0.6826            | 0.0717              | 2                 | 0                    | 21                   | 1.9910                  |
| 314       | Ankit Sharma    | 1.1647          | 1.124709477         | 0.6094            | 0.0820              | 4                 | 0                    | 21                   | 1.9850                  |
| 235       | R Sharma        | 1.1827          | 1.152973887         | 0.6424            | 0.0795              | 2                 | 0                    | 24                   | 1.9774                  |
| 79        | SS Tiwary       | 1.1902          | 1.138462269         | 0.5971            | 0.0783              | 3                 | 0                    | 27                   | 1.9728                  |
| 214       | MS Bala         | 1.0612          | 1.030903569         | 0.4355            | 0.0905              | 3                 | 0                    | 26                   | 1.9571                  |
| 453       | P Suyal         | 1.4000          | 1.331475900         | 0.5514            | 0.0561              | 3                 | 0                    | 6                    | 1.9607                  |
| 262       | UBT Chand       | 1.0234          | 1.004090429         | 0.4776            | 0.0933              | 4                 | 0                    | 25                   | 1.9562                  |
| 340       | GH Whari        | 0.8980          | 0.875875495         | 0.5497            | 0.1050              | 2                 | 0                    | 38                   | 1.9477                  |
| 366       | Panvez Rasool   | 1.3073          | 1.257440642         | 0.6773            | 0.0636              | 4                 | 0                    | 14                   | 1.9407                  |
| 293       | S Nadeem        | 1.0918          | 1.031018556         | 0.6046            | 0.0845              | 4                 | 0                    | 59                   | 1.9371                  |
| 359       | IC Pandey       | 1.2512          | 1.226636437         | 0.5096            | 0.0679              | 3                 | 0                    | 32                   | 1.9326                  |
| 452       | S Badree        | 1.1284          | 1.110145595         | 0.5179            | 0.0804              | 2                 | 0                    | 9                    | 1.9320                  |

| 154 | JP Duminy      | 1.2690 | 1.217135636 | 0.6765 | 0.0661 | 3 | 0 | 76  | 1.9299 |
|-----|----------------|--------|-------------|--------|--------|---|---|-----|--------|
| 383 | LMP Simmons    | 1.2876 | 1.236227175 | 0.5551 | 0.0641 | 3 | 0 | 50  | 1.9286 |
| 344 | AS Rajput      | 1.2525 | 1.222716060 | 0.5865 | 0.0673 | 2 | 0 | 7   | 1.9256 |
| 85  | AM Rahane      | 1.1938 | 1.151940355 | 0.6150 | 0.0721 | 4 | 0 | 114 | 1.9144 |
| 185 | M Vijay        | 1.1430 | 1.113269991 | 0.5533 | 0.0767 | 4 | 0 | 87  | 1.9095 |
| 52  | LRPL Taylor    | 0.8971 | 0.811059411 | 0.5755 | 0.1007 | 2 | 0 | 14  | 1.9043 |
| 457 | DW Hastings    | 1.0578 | 1.034004915 | 0.4426 | 0.0820 | 2 | 0 | 5   | 1.8875 |
| 158 | KP Pietersen   | 1.2483 | 1.223460272 | 0.6100 | 0.0633 | 2 | 0 | 19  | 1.8816 |
| 40  | G Gambhir      | 1.1788 | 1.141521314 | 0.5971 | 0.0701 | 4 | 0 | 96  | 1.8795 |
| 121 | M Muralitharan | 1.2500 | 1.200552245 | 0.6042 | 0.0625 | 2 | 0 | 15  | 1.8750 |
| 201 | R Ashwin       | 1.0861 | 1.041436819 | 0.5841 | 0.0788 | 4 | 0 | 112 | 1.8743 |
| 42  | S Dhawan       | 1.1944 | 1.161596878 | 0.5779 | 0.0677 | 4 | 0 | 90  | 1.8716 |
| 395 | KS Williamson  | 1.0385 | 0.995091923 | 0.6358 | 0.0741 | 2 | 0 | 12  | 1.7792 |
| 425 | J Yadav        | 1.0260 | 0.980571818 | 0.5759 | 0.0570 | 2 | 0 | 9   | 1.5956 |
| 243 | VS Malik       | 1.0741 | 1.074074074 | 0.5060 | 0.0482 | 2 | 0 | 4   | 1.5560 |

## Approach

- 1. Data Aggregation:** The SQL query aggregates various performance metrics for each player to identify key parameters for player selection. It calculates:
  - Batting Average:** The average runs scored by the player.
  - Batting Strike Rate:** The average runs scored per ball faced, adjusted for the number of times the player has been out.
  - Consistency Score:** A measure of how often the player scores runs (i.e., the percentage of innings where the player scored).
  - Wickets Performance:** The average number of wickets taken by the player.
  - Number of Seasons:** The total number of seasons the player has participated in.
  - Matches with 50+ Runs:** The count of matches where the player scored more than 50 runs.

- **Matches with Wickets:** The count of matches where the player took wickets.
  - **Total Performance Score:** A combined score that adds the batting average and a bonus for each wicket taken.
2. **Joining Tables:** The query joins the **Player**, **Ball\_by\_Ball**, **Wicket\_Taken**, and **matches** tables to gather comprehensive data on player performance.
  3. **Filtering Criteria:** The results are filtered to include only players who have participated in more than one season, ensuring that the analysis focuses on players with sufficient experience.
  4. **Ordering Results:** The results are ordered by the total performance score in descending order, highlighting the top-performing players.

## Insights

1. **Key Performance Metrics:** The parameters calculated in the query provide a comprehensive view of a player's performance, covering both batting and bowling contributions. This helps in identifying well-rounded players.
2. **Consistency and Impact:** The consistency score and the number of matches with significant contributions (50+ runs or wickets) are crucial for assessing a player's reliability and impact in matches.
3. **Experience Factor:** By focusing on players with multiple seasons of experience, the analysis ensures that only those who have demonstrated sustained performance are considered.

## Recommendations

1. **Focus on Key Metrics:** When selecting players, prioritize the following parameters:
  - **Batting Average:** A higher average indicates a reliable batsman.
  - **Batting Strike Rate:** A good strike rate is essential for aggressive batting, especially in limited-overs formats.
  - **Consistency:** Players who consistently score runs or take wickets are invaluable to the team.
  - **Experience:** Players with experience across multiple seasons are likely to handle pressure better.
4. Which players offer versatility in their skills and can contribute effectively with both bat and ball? (can you visualize the data for the same)

Ans- select P.Player\_Id, P.Player\_Name, B.Batting\_hand as Batting\_Style, BS.Bowling\_skill as Bowling\_Style, C.Country\_Name  
from Player P  
join Batting\_Style B on P.Batting\_hand = B.Batting\_Id  
join Bowling\_Style BS on P.Bowling\_skill = BS.Bowling\_Id  
join Country C on P.Country\_Name = C.Country\_Id  
where P.Bowling\_skill is not null;

OUTPUT-

| Player_Id | Player_Name     | Batting_Style  | Bowling_Style          | Country_Name |
|-----------|-----------------|----------------|------------------------|--------------|
| 1         | SC Ganguly      | Left-hand bat  | Right-arm medium       | India        |
| 2         | BB McCullum     | Right-hand bat | Right-arm medium       | New Zealand  |
| 3         | RT Ponting      | Right-hand bat | Right-arm medium       | Australia    |
| 4         | DJ Hussey       | Right-hand bat | Right-arm offbreak     | Australia    |
| 5         | Mohammad Hafeez | Right-hand bat | Right-arm offbreak     | Pakistan     |
| 6         | R Dravid        | Right-hand bat | Right-arm offbreak     | India        |
| 7         | W Jaffer        | Right-hand bat | Right-arm offbreak     | India        |
| 8         | V Kohli         | Right-hand bat | Right-arm medium       | India        |
| 9         | JH Kallis       | Right-hand bat | Right-arm fast-medium  | South Africa |
| 10        | CL White        | Right-hand bat | Legbreak googly        | Australia    |
| 11        | MV Boucher      | Right-hand bat | Right-arm medium       | South Africa |
| 12        | B Akhil         | Right-hand bat | Right-arm medium-fast  | India        |
| 13        | AA Noffke       | Right-hand bat | Right-arm fast-medium  | Australia    |
| 14        | P Kumar         | Right-hand bat | Right-arm medium       | India        |
| 15        | Z Khan          | Right-hand bat | Left-arm fast-medium   | India        |
| 16        | SB Joshi        | Left-hand bat  | Slow left-arm orthodox | India        |
| 18        | ML Hayden       | Left-hand bat  | Right-arm medium       | Australia    |
| 19        | MEK Hussey      | Left-hand bat  | Right-arm medium       | Australia    |
| 20        | MS Dhoni        | Right-hand bat | Right-arm medium       | India        |
| 21        | SK Raina        | Left-hand bat  | Right-arm offbreak     | India        |
| 22        | JDP Oram        | Left-hand bat  | Right-arm fast-medium  | New Zealand  |
| 23        | S Badrinath     | Right-hand bat | Right-arm offbreak     | India        |

| Player_Id | Player_Name   | Batting_Style  | Bowling_Style          | Country_Name |
|-----------|---------------|----------------|------------------------|--------------|
| 24        | K Goel        | Left-hand bat  | Right-arm offbreak     | India        |
| 25        | JR Hopes      | Right-hand bat | Right-arm medium       | Australia    |
| 26        | KC Sangakkara | Left-hand bat  | Right-arm offbreak     | Sri Lanka    |
| 27        | Yuvraj Singh  | Left-hand bat  | Slow left-arm orthodox | India        |
| 28        | SM Katich     | Left-hand bat  | Slow left-arm chinaman | Australia    |
| 29        | IK Pathan     | Left-hand bat  | Left-arm medium-fast   | India        |
| 30        | T Kohli       | Right-hand bat | Right-arm medium       | India        |
| 31        | YK Pathan     | Right-hand bat | Right-arm offbreak     | India        |
| 32        | SR Watson     | Right-hand bat | Right-arm fast-medium  | Australia    |
| 33        | M Kaif        | Right-hand bat | Right-arm offbreak     | India        |
| 34        | DS Lehmann    | Left-hand bat  | Slow left-arm orthodox | Australia    |
| 35        | RA Jadeja     | Left-hand bat  | Slow left-arm orthodox | India        |
| 37        | D Salunkhe    | Right-hand bat | Legbreak               | India        |
| 38        | SK Warne      | Right-hand bat | Legbreak googly        | Australia    |
| 39        | SK Trivedi    | Right-hand bat | Right-arm medium       | India        |
| 40        | G Gambhir     | Left-hand bat  | Legbreak               | India        |
| 41        | V Sehwag      | Right-hand bat | Right-arm offbreak     | India        |
| 42        | S Dhawan      | Left-hand bat  | Right-arm offbreak     | India        |
| 44        | ST Jayasuriya | Left-hand bat  | Slow left-arm orthodox | Sri Lanka    |
| 45        | DJ Thornely   | Right-hand bat | Right-arm medium       | Australia    |
| 46        | RV Uthappa    | Right-hand bat | Right-arm medium       | India        |
| 48        | AM Nayar      | Left-hand bat  | Right-arm medium       | India        |
| 49        | SM Pollock    | Right-hand bat | Right-arm fast-medium  | South Africa |

| Player_Id | Player_Name      | Batting_Style  | Bowling_Style         | Country_Name |
|-----------|------------------|----------------|-----------------------|--------------|
| 50        | Harbhajan Singh  | Right-hand bat | Right-arm offbreak    | India        |
| 51        | S Chanderpaul    | Left-hand bat  | Legbreak              | West Indies  |
| 52        | LRPL Taylor      | Right-hand bat | Right-arm offbreak    | New Zealand  |
| 53        | AC Gilchrist     | Left-hand bat  | Right-arm offbreak    | Australia    |
| 54        | Y Venugopal Rao  | Right-hand bat | Right-arm offbreak    | India        |
| 55        | VVS Laxman       | Right-hand bat | Right-arm offbreak    | India        |
| 56        | A Symonds        | Right-hand bat | Right-arm offbreak    | Australia    |
| 57        | RG Sharma        | Right-hand bat | Right-arm offbreak    | India        |
| 58        | SB Styris        | Right-hand bat | Right-arm medium      | New Zealand  |
| 59        | SB Bangar        | Right-hand bat | Right-arm medium-fast | India        |
| 60        | WPUJC Vaas       | Left-hand bat  | Left-arm fast-medium  | Sri Lanka    |
| 61        | RP Singh         | Right-hand bat | Left-arm fast-medium  | India        |
| 63        | LR Shukla        | Right-hand bat | Right-arm medium      | India        |
| 64        | DPMD Jayawardene | Right-hand bat | Right-arm medium      | Sri Lanka    |
| 65        | S Sohal          | Right-hand bat | Legbreak              | India        |
| 66        | B Lee            | Right-hand bat | Right-arm fast        | Australia    |
| 67        | PP Chawla        | Left-hand bat  | Legbreak              | India        |
| 68        | WA Mota          | Right-hand bat | Right-arm medium      | India        |
| 70        | Shahid Afridi    | Right-hand bat | Legbreak googly       | Pakistan     |
| 71        | DJ Bravo         | Right-hand bat | Right-arm medium-fast | West Indies  |
| 72        | MA Khote         | Right-hand bat | Right-arm medium      | India        |
| 73        | A Nehra          | Right-hand bat | Left-arm medium-fast  | India        |
| 74        | GC Smith         | Left-hand bat  | Right-arm offbreak    | South Africa |

| Player_Id | Player_Name     | Batting_Style  | Bowling_Style          | Country_Name |
|-----------|-----------------|----------------|------------------------|--------------|
| 75        | Pankaj Singh    | Right-hand bat | Right-arm medium-fast  | India        |
| 76        | RR Sarwan       | Right-hand bat | Legbreak               | West Indies  |
| 77        | S Sreesanth     | Right-hand bat | Right-arm fast-medium  | India        |
| 78        | VRV Singh       | Right-hand bat | Right-arm medium-fast  | India        |
| 80        | DS Kulkarni     | Right-hand bat | Right-arm medium       | India        |
| 81        | R Vinay Kumar   | Right-hand bat | Right-arm medium       | India        |
| 82        | AB Agarkar      | Right-hand bat | Right-arm fast         | India        |
| 83        | M Kartik        | Left-hand bat  | Slow left-arm orthodox | India        |
| 84        | I Sharma        | Right-hand bat | Right-arm fast-medium  | India        |
| 85        | AM Rahane       | Right-hand bat | Right-arm medium       | India        |
| 86        | Shoaib Malik    | Right-hand bat | Right-arm offbreak     | Pakistan     |
| 87        | MK Tiwary       | Right-hand bat | Legbreak googly        | India        |
| 89        | R Bhatia        | Right-hand bat | Right-arm medium-fast  | India        |
| 90        | MF Maharoof     | Right-hand bat | Right-arm fast-medium  | India        |
| 91        | VY Mahesh       | Right-hand bat | Right-arm medium-fast  | India        |
| 92        | TM Srivastava   | Left-hand bat  | Right-arm medium       | India        |
| 93        | B Chipli        | Right-hand bat | Right-arm medium       | India        |
| 94        | DW Steyn        | Right-hand bat | Right-arm fast         | South Africa |
| 95        | DB Das          | Right-hand bat | Legbreak googly        | India        |
| 96        | MK Pandey       | Right-hand bat | Right-arm medium       | India        |
| 97        | HH Gibbs        | Right-hand bat | Right-arm bowler       | South Africa |
| 98        | DNT Zoya        | Left-hand bat  | Left-arm fast-medium   | Sri Lanka    |
| 99        | D Kalyankrishna | Right-hand bat | Right-arm medium-fast  | India        |

| Player_Id | Player_Name     | Batting_Style  | Bowling_Style          | Country_Name |
|-----------|-----------------|----------------|------------------------|--------------|
| 100       | SE Marsh        | Left-hand bat  | Slow left-arm orthodox | Australia    |
| 101       | SA Asnodkar     | Right-hand bat | Right-arm offbreak     | India        |
| 102       | Sohail Tanvir   | Left-hand bat  | Left-arm medium-fast   | Pakistan     |
| 103       | Salman Butt     | Left-hand bat  | Right-arm offbreak     | Pakistan     |
| 104       | BJ Hodge        | Right-hand bat | Right-arm offbreak     | Australia    |
| 105       | Umar Gul        | Right-hand bat | Right-arm fast-medium  | Pakistan     |
| 106       | AB Dinda        | Right-hand bat | Right-arm medium-fast  | India        |
| 108       | S Vidyut        | Left-hand bat  | Slow left-arm orthodox | India        |
| 109       | JA Morkel       | Left-hand bat  | Right-arm medium-fast  | South Africa |
| 110       | AB de Villiers  | Right-hand bat | Right-arm medium       | South Africa |
| 111       | LPC Silva       | Right-hand bat | Legbreak               | Sri Lanka    |
| 112       | DB Ravi Teja    | Right-hand bat | Legbreak googly        | India        |
| 113       | Misbah-ul-Haq   | Right-hand bat | Legbreak               | Pakistan     |
| 115       | RR Raje         | Right-hand bat | Right-arm fast-medium  | India        |
| 116       | PJ Sangwan      | Right-hand bat | Left-arm medium        | India        |
| 117       | Mohammad Asif   | Left-hand bat  | Right-arm fast-medium  | Pakistan     |
| 118       | GD McGrath      | Right-hand bat | Right-arm fast-medium  | Australia    |
| 119       | Joginder Sharma | Right-hand bat | Right-arm fast-medium  | India        |
| 120       | MS Gony         | Right-hand bat | Right-arm medium       | India        |
| 121       | M Muralitharan  | Right-hand bat | Right-arm offbreak     | Sri Lanka    |
| 122       | M Ntini         | Right-hand bat | Right-arm fast         | South Africa |
| 124       | A Kumble        | Right-hand bat | Legbreak googly        | India        |
| 126       | MM Patel        | Right-hand bat | Right-arm medium-fast  | India        |

| Player_Id | Player_Name      | Batting_Style  | Bowling_Style          | Country_Name |
|-----------|------------------|----------------|------------------------|--------------|
| 127       | CK Kapugedera    | Right-hand bat | Right-arm medium       | Sri Lanka    |
| 128       | A Chopra         | Right-hand bat | Right-arm offbreak     | India        |
| 129       | T Taibu          | Right-hand bat | Right-arm medium       | Zimbabwea    |
| 130       | J Arunkumar      | Right-hand bat | Right-arm offbreak     | India        |
| 131       | PP Ojha          | Left-hand bat  | Slow left-arm orthodox | India        |
| 133       | SR Tendulkar     | Right-hand bat | Right-arm offbreak     | India        |
| 135       | TM Dilshan       | Right-hand bat | Right-arm offbreak     | Sri Lanka    |
| 136       | A Mishra         | Right-hand bat | Legbreak               | India        |
| 137       | AD Mascarenhas   | Right-hand bat | Right-arm fast-medium  | England      |
| 139       | LA Pomersbach    | Left-hand bat  | Right-arm offbreak     | Australia    |
| 140       | Iqbal Abdulla    | Left-hand bat  | Slow left-arm orthodox | India        |
| 141       | Younis Khan      | Right-hand bat | Right-arm medium       | Pakistan     |
| 142       | PM Sarvesh Kumar | Right-hand bat | Right-arm medium       | India        |
| 143       | DP Vijaykumar    | Right-hand bat | Right-arm medium       | India        |
| 144       | Shoaib Akhtar    | Right-hand bat | Right-arm fast         | Pakistan     |
| 145       | Abdur Razzak     | Left-hand bat  | Slow left-arm orthodox | Bangladesh   |
| 147       | DR Smith         | Right-hand bat | Right-arm medium       | West Indies  |
| 148       | SD Chitnis       | Right-hand bat | Right-arm offbreak     | India        |
| 149       | CRD Fernando     | Right-hand bat | Right-arm fast-medium  | Sri Lanka    |
| 150       | VS Yeligati      | Right-hand bat | Right-arm offbreak     | India        |
| 151       | L Balaji         | Right-hand bat | Right-arm medium-fast  | India        |
| 152       | A Mukund         | Left-hand bat  | Legbreak googly        | India        |
| 153       | RR Powar         | Right-hand bat | Right-arm offbreak     | India        |

| Player_Id | Player_Name   | Batting_Style  | Bowling_Style          | Country_Name |
|-----------|---------------|----------------|------------------------|--------------|
| 154       | JP Duminy     | Left-hand bat  | Right-arm offbreak     | South Africa |
| 155       | A Flintoff    | Right-hand bat | Right-arm fast-medium  | England      |
| 156       | T Thushara    | Left-hand bat  | Left-arm fast-medium   | Sri Lanka    |
| 157       | JD Ryder      | Left-hand bat  | Right-arm medium       | New Zealand  |
| 158       | KP Pietersen  | Right-hand bat | Right-arm offbreak     | South Africa |
| 159       | T Henderson   | Right-hand bat | Right-arm fast-medium  | South Africa |
| 160       | Kamran Khan   | Left-hand bat  | Left-arm medium-fast   | India        |
| 161       | RS Bopara     | Right-hand bat | Right-arm medium       | England      |
| 162       | CH Gayle      | Left-hand bat  | Right-arm offbreak     | West Indies  |
| 163       | MC Henriques  | Right-hand bat | Right-arm fast-medium  | Australia    |
| 164       | R Bishnoi     | Right-hand bat | Right-arm medium-fast  | India        |
| 165       | FH Edwards    | Right-hand bat | Right-arm fast         | West Indies  |
| 166       | KV Sharma     | Left-hand bat  | Legbreak googly        | India        |
| 167       | PC Valthaty   | Right-hand bat | Right-arm medium       | India        |
| 168       | RJ Quiney     | Left-hand bat  | Right-arm medium       | Australia    |
| 169       | AS Raut       | Right-hand bat | Legbreak googly        | India        |
| 170       | Yashpal Singh | Right-hand bat | Right-arm medium       | India        |
| 171       | M Manhas      | Right-hand bat | Right-arm offbreak     | India        |
| 172       | AA Bilakhia   | Right-hand bat | Right-arm medium       | India        |
| 173       | AN Ghosh      | Right-hand bat | Right-arm medium       | India        |
| 174       | BAW Mendis    | Right-hand bat | Right-arm offbreak     | Sri Lanka    |
| 175       | DL Vettori    | Left-hand bat  | Slow left-arm orthodox | New Zealand  |
| 176       | MN van Wyk    | Right-hand bat | Slow left-arm orthodox | South Africa |

| Player_Id | Player_Name   | Batting_Style  | Bowling_Style          | Country_Name |
|-----------|---------------|----------------|------------------------|--------------|
| 154       | JP Duminy     | Left-hand bat  | Right-arm offbreak     | South Africa |
| 155       | A Flintoff    | Right-hand bat | Right-arm fast-medium  | England      |
| 156       | T Thushara    | Left-hand bat  | Left-arm fast-medium   | Sri Lanka    |
| 157       | JD Ryder      | Left-hand bat  | Right-arm medium       | New Zealand  |
| 158       | KP Pietersen  | Right-hand bat | Right-arm offbreak     | South Africa |
| 159       | T Henderson   | Right-hand bat | Right-arm fast-medium  | South Africa |
| 160       | Kamran Khan   | Left-hand bat  | Left-arm medium-fast   | India        |
| 161       | RS Bopara     | Right-hand bat | Right-arm medium       | England      |
| 162       | CH Gayle      | Left-hand bat  | Right-arm offbreak     | West Indies  |
| 163       | MC Henriques  | Right-hand bat | Right-arm fast-medium  | Australia    |
| 164       | R Bishnoi     | Right-hand bat | Right-arm medium-fast  | India        |
| 165       | FH Edwards    | Right-hand bat | Right-arm fast         | West Indies  |
| 166       | KV Sharma     | Left-hand bat  | Legbreak googly        | India        |
| 167       | PC Valthaty   | Right-hand bat | Right-arm medium       | India        |
| 168       | RJ Quiney     | Left-hand bat  | Right-arm medium       | Australia    |
| 169       | AS Raut       | Right-hand bat | Legbreak googly        | India        |
| 170       | Yashpal Singh | Right-hand bat | Right-arm medium       | India        |
| 171       | M Manhas      | Right-hand bat | Right-arm offbreak     | India        |
| 172       | AA Bilakhia   | Right-hand bat | Right-arm medium       | India        |
| 173       | AN Ghosh      | Right-hand bat | Right-arm medium       | India        |
| 174       | BAW Mendis    | Right-hand bat | Right-arm offbreak     | Sri Lanka    |
| 175       | DL Vettori    | Left-hand bat  | Slow left-arm orthodox | New Zealand  |
| 176       | MN van Wyk    | Right-hand bat | Slow left-arm orthodox | South Africa |

| Player_Id | Player_Name      | Batting_Style  | Bowling_Style          | Country_Name |
|-----------|------------------|----------------|------------------------|--------------|
| 177       | RE van der Merwe | Right-hand bat | Slow left-arm orthodox | South Africa |
| 178       | TL Suman         | Right-hand bat | Right-arm offbreak     | India        |
| 179       | Shoaib Ahmed     | Right-hand bat | Right-arm fast-medium  | Pakistan     |
| 180       | GR Napier        | Right-hand bat | Right-arm medium       | England      |
| 181       | KP Appanna       | Right-hand bat | Slow left-arm orthodox | India        |
| 182       | LA Carseidine    | Left-hand bat  | Left-arm medium        | Australia    |
| 184       | SM Harwood       | Right-hand bat | Right-arm fast-medium  | Australia    |
| 185       | M Vijay          | Right-hand bat | Right-arm offbreak     | India        |
| 186       | SB Jakati        | Left-hand bat  | Slow left-arm orthodox | India        |
| 187       | DA Warner        | Left-hand bat  | Legbreak               | Australia    |
| 188       | RJ Harris        | Right-hand bat | Right-arm fast         | Australia    |
| 189       | D du Preez       | Right-hand bat | Right-arm fast-medium  | South Africa |
| 190       | M Morkel         | Left-hand bat  | Right-arm fast         | South Africa |
| 191       | AD Mathews       | Right-hand bat | Right-arm fast-medium  | Sri Lanka    |
| 192       | J Botha          | Right-hand bat | Right-arm offbreak     | South Africa |
| 193       | C Nanda          | Right-hand bat | Legbreak               | India        |
| 194       | SL Malinga       | Right-hand bat | Right-arm fast         | Sri Lanka    |
| 195       | Mashrafe Mortaza | Right-hand bat | Right-arm fast-medium  | Bangladesh   |
| 196       | A Singh          | Right-hand bat | Right-arm medium-fast  | India        |
| 197       | GJ Bailey        | Right-hand bat | Right-arm medium       | Australia    |
| 198       | AB McDonald      | Right-hand bat | Right-arm fast-medium  | Australia    |
| 199       | Y Nagar          | Right-hand bat | Right-arm offbreak     | India        |
| 200       | SS Shaikh        | Right-hand bat | Right-arm medium       | India        |

| Player_Id | Player_Name       | Batting_Style  | Bowling_Style          | Country_Name |
|-----------|-------------------|----------------|------------------------|--------------|
| 201       | R Ashwin          | Right-hand bat | Right-arm offbreak     | India        |
| 202       | Mohammad Ashraful | Right-hand bat | Right-arm offbreak     | Bangladesh   |
| 203       | CA Pujara         | Right-hand bat | Legbreak               | India        |
| 204       | OA Shah           | Right-hand bat | Right-arm offbreak     | England      |
| 205       | Anirudh Singh     | Left-hand bat  | Right-arm medium       | India        |
| 206       | Jaskaran Singh    | Right-hand bat | Right-arm medium       | India        |
| 208       | AT Rayudu         | Right-hand bat | Right-arm offbreak     | India        |
| 209       | R Sathish         | Right-hand bat | Right-arm medium       | India        |
| 210       | R McLaren         | Left-hand bat  | Right-arm medium-fast  | South Africa |
| 211       | AA Jhunjhunwala   | Right-hand bat | Right-arm offbreak     | India        |
| 212       | P Dogra           | Right-hand bat | Legbreak               | India        |
| 213       | A Uniyal          | Left-hand bat  | Left-arm medium        | India        |
| 215       | YA Abdulla        | Left-hand bat  | Left-arm fast-medium   | India        |
| 216       | EJG Morgan        | Left-hand bat  | Right-arm medium       | England      |
| 217       | JM Kemp           | Right-hand bat | Right-arm fast-medium  | South Africa |
| 218       | S Tyagi           | Right-hand bat | Right-arm medium       | India        |
| 219       | RS Gavaskar       | Left-hand bat  | Slow left-arm orthodox | India        |
| 220       | SE Bond           | Right-hand bat | Right-arm fast         | New Zealand  |
| 221       | KA Pollard        | Right-hand bat | Right-arm medium-fast  | West Indies  |
| 222       | S Ladda           | Right-hand bat | Legbreak               | India        |
| 223       | DP Nannes         | Right-hand bat | Left-arm fast          | Australia    |
| 224       | MJ Lumb           | Left-hand bat  | Right-arm medium       | England      |
| 225       | DR Martyn         | Right-hand bat | Right-arm medium       | Australia    |
| Player_Id | Player_Name       | Batting_Style  | Bowling_Style          | Country_Name |
| 226       | S Narwal          | Left-hand bat  | Right-arm medium       | India        |
| 227       | AB Barath         | Right-hand bat | Right-arm offbreak     | India        |
| 228       | Bipul Sharma      | Left-hand bat  | Slow left-arm orthodox | India        |
| 229       | FY Fazal          | Left-hand bat  | Right-arm medium       | India        |
| 230       | AC Voges          | Right-hand bat | Slow left-arm orthodox | Australia    |
| 231       | MD Mishra         | Right-hand bat | Right-arm offbreak     | India        |
| 232       | UT Yadav          | Right-hand bat | Right-arm fast-medium  | India        |
| 233       | J Theron          | Right-hand bat | Right-arm medium-fast  | South Africa |
| 234       | SJ Srivastava     | Right-hand bat | Left-arm fast-medium   | India        |
| 235       | R Sharma          | Right-hand bat | Right-arm offbreak     | India        |
| 236       | Mandeep Singh     | Right-hand bat | Right-arm medium       | India        |
| 237       | KM Jadhav         | Right-hand bat | Right-arm offbreak     | India        |
| 238       | SW Tait           | Right-hand bat | Right-arm fast         | Australia    |
| 239       | KB Arun Karthik   | Right-hand bat | Legbreak googly        | India        |
| 240       | KAJ Roach         | Right-hand bat | Right-arm fast         | West Indies  |
| 241       | PD Collingwood    | Right-hand bat | Right-arm medium       | England      |
| 242       | CK Langeveldt     | Right-hand bat | Right-arm fast-medium  | England      |
| 243       | VS Malik          | Right-hand bat | Right-arm medium       | India        |
| 244       | A Mithun          | Right-hand bat | Right-arm medium       | India        |
| 245       | AP Dole           | Right-hand bat | Right-arm medium-fast  | India        |
| 246       | AN Ahmed          | Right-hand bat | Right-arm medium-fast  | India        |
| 247       | RS Sodhi          | Right-hand bat | Right-arm medium       | India        |
| 248       | DE Bolinger       | Left-hand bat  | Left-arm fast-medium   | Australia    |

| Player_Id | Player_Name      | Batting_Style  | Bowling_Style          | Country_Name |
|-----------|------------------|----------------|------------------------|--------------|
| 249       | S Sriram         | Left-hand bat  | Slow left-arm orthodox | India        |
| 250       | B Sumanth        | Right-hand bat | Right-arm medium-fast  | India        |
| 253       | MR Marsh         | Right-hand bat | Right-arm medium       | Australia    |
| 254       | AJ Finch         | Right-hand bat | Slow left-arm orthodox | Australia    |
| 255       | STR Binny        | Right-hand bat | Right-arm medium       | India        |
| 256       | Harmeet Singh    | Left-hand bat  | Slow left-arm orthodox | India        |
| 257       | IR Jaggi         | Right-hand bat | Legbreak googly        | India        |
| 258       | DT Christian     | Right-hand bat | Right-arm fast-medium  | Australia    |
| 259       | RV Gomez         | Right-hand bat | Right-arm medium       | India        |
| 261       | AUK Pathan       | Right-hand bat | Right-arm medium       | India        |
| 262       | UBT Chand        | Right-hand bat | Right-arm offbreak     | India        |
| 263       | DJ Jacobs        | Right-hand bat | Right-arm medium       | South Africa |
| 264       | Sunny Singh      | Right-hand bat | Right-arm medium-fast  | India        |
| 265       | NJ Rimmington    | Right-hand bat | Right-arm fast-medium  | Australia    |
| 266       | AL Menaria       | Left-hand bat  | Slow left-arm orthodox | India        |
| 267       | WD Parnell       | Left-hand bat  | Left-arm medium-fast   | South Africa |
| 268       | JJ van der Wath  | Right-hand bat | Right-arm medium-fast  | South Africa |
| 269       | R Ninan          | Right-hand bat | Right-arm offbreak     | India        |
| 270       | S Aravind        | Left-hand bat  | Left-arm medium-fast   | India        |
| 271       | MS Wade          | Left-hand bat  | Right-arm medium       | Australia    |
| 272       | TD Paine         | Right-hand bat | Right-arm medium       | Australia    |
| 273       | SB Wagh          | Left-hand bat  | Left-arm medium-fast   | India        |
| 274       | AC Thomas        | Right-hand bat | Right-arm fast-medium  | England      |
| Player_Id | Player_Name      | Batting_Style  | Bowling_Style          | Country_Name |
| 275       | JEC Franklin     | Left-hand bat  | Left-arm medium        | New Zealand  |
| 276       | Shakib Al Hasan  | Left-hand bat  | Slow left-arm orthodox | Bangladesh   |
| 278       | S Randiv         | Right-hand bat | Right-arm offbreak     | Sri Lanka    |
| 280       | NLTC Perera      | Left-hand bat  | Right-arm medium-fast  | Sri Lanka    |
| 281       | NL McCullum      | Right-hand bat | Right-arm offbreak     | New Zealand  |
| 282       | JE Taylor        | Right-hand bat | Right-arm fast         | New Zealand  |
| 283       | J Syed Mohammad  | Left-hand bat  | Slow left-arm orthodox | India        |
| 284       | RN ten Doeschate | Right-hand bat | Right-arm medium-fast  | Netherlands  |
| 285       | TR Birt          | Left-hand bat  | Right-arm medium       | Australia    |
| 286       | AG Murtaza       | Left-hand bat  | Slow left-arm orthodox | India        |
| 287       | Harpreet Singh   | Left-hand bat  | Right-arm medium       | India        |
| 289       | AC Blizzard      | Left-hand bat  | Left-arm medium        | Australia    |
| 290       | I Malhotra       | Right-hand bat | Right-arm medium-fast  | India        |
| 291       | L Ablish         | Right-hand bat | Right-arm medium-fast  | India        |
| 292       | CA Ingram        | Left-hand bat  | Legbreak               | South Africa |
| 293       | S Nadeem         | Right-hand bat | Slow left-arm orthodox | India        |
| 294       | P Parameswaran   | Right-hand bat | Left-arm medium        | India        |
| 295       | CJ Ferguson      | Right-hand bat | Right-arm medium       | Australia    |
| 296       | VR Aaron         | Right-hand bat | Right-arm fast         | India        |
| 297       | AA Chavan        | Left-hand bat  | Slow left-arm orthodox | India        |
| 298       | ND Doshi         | Right-hand bat | Slow left-arm orthodox | India        |
| 299       | B Kumar          | Right-hand bat | Right-arm medium       | India        |
| 300       | Y Gnaneswara Rao | Right-hand bat | Right-arm medium       | India        |

| Player_Id | Player_Name     | Batting_Style  | Bowling_Style          | Country_Name |
|-----------|-----------------|----------------|------------------------|--------------|
| 301       | S Rana          | Right-hand bat | Right-arm medium-fast  | India        |
| 302       | BA Bhatt        | Left-hand bat  | Slow left-arm orthodox | India        |
| 303       | F du Plessis    | Right-hand bat | Legbreak               | South Africa |
| 304       | RE Levi         | Right-hand bat | Right-arm medium       | South Africa |
| 305       | GJ Maxwell      | Right-hand bat | Right-arm offbreak     | Australia    |
| 306       | SPD Smith       | Right-hand bat | Legbreak googly        | India        |
| 307       | MN Samuels      | Right-hand bat | Right-arm offbreak     | West Indies  |
| 308       | SA Yadav        | Right-hand bat | Right-arm offbreak     | India        |
| 309       | KK Cooper       | Right-hand bat | Right-arm medium       | West Indies  |
| 310       | JP Faulkner     | Right-hand bat | Left-arm fast-medium   | Australia    |
| 311       | HV Patel        | Right-hand bat | Right-arm medium       | India        |
| 312       | DAJ Bracewell   | Right-hand bat | Right-arm fast-medium  | New Zealand  |
| 313       | DJ Harris       | Right-hand bat | Right-arm medium       | Australia    |
| 314       | Ankit Sharma    | Left-hand bat  | Slow left-arm orthodox | India        |
| 315       | SP Narine       | Left-hand bat  | Right-arm offbreak     | West Indies  |
| 316       | GB Hogg         | Left-hand bat  | Slow left-arm chinaman | Australia    |
| 317       | RR Bhatkal      | Right-hand bat | Right-arm medium       | India        |
| 318       | CJ McKay        | Right-hand bat | Right-arm fast-medium  | Australia    |
| 320       | DA Miller       | Left-hand bat  | Right-arm offbreak     | South Africa |
| 321       | Azhar Mahmood   | Right-hand bat | Right-arm fast-medium  | Pakistan     |
| 322       | P Negi          | Left-hand bat  | Slow left-arm orthodox | India        |
| 323       | RJ Peterson     | Left-hand bat  | Slow left-arm orthodox | South Africa |
| 324       | KMDN Kulasekara | Right-hand bat | Right-arm fast-medium  | Sri Lanka    |

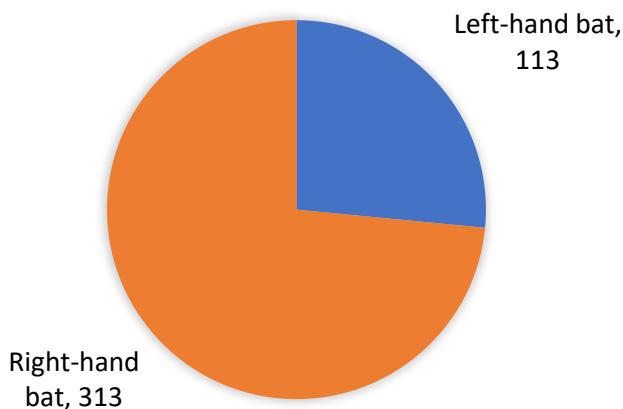
| Player_Id | Player_Name     | Batting_Style  | Bowling_Style          | Country_Name |
|-----------|-----------------|----------------|------------------------|--------------|
| 325       | A Ashish Reddy  | Right-hand bat | Right-arm medium       | India        |
| 326       | V Pratap Singh  | Right-hand bat | Right-arm medium       | India        |
| 328       | MJ Clarke       | Right-hand bat | Slow left-arm orthodox | Australia    |
| 329       | Gurkeerat Singh | Right-hand bat | Right-arm offbreak     | India        |
| 330       | AP Majumdar     | Right-hand bat | Legbreak googly        | India        |
| 331       | PA Reddy        | Right-hand bat | Legbreak               | India        |
| 332       | K Upadhyay      | Right-hand bat | Right-arm medium       | India        |
| 333       | P Awana         | Right-hand bat | Right-arm medium       | India        |
| 334       | AD Russell      | Right-hand bat | Right-arm fast         | West Indies  |
| 335       | A Chandila      | Right-hand bat | Right-arm offbreak     | India        |
| 336       | CA Lynn         | Right-hand bat | Slow left-arm orthodox | Australia    |
| 337       | Sunny Gupta     | Right-hand bat | Right-arm offbreak     | India        |
| 338       | MC Juneja       | Right-hand bat | Right-arm offbreak     | India        |
| 339       | KK Nair         | Right-hand bat | Right-arm offbreak     | India        |
| 340       | GH Vihari       | Right-hand bat | Right-arm offbreak     | India        |
| 342       | R Shukla        | Right-hand bat | Right-arm medium       | India        |
| 343       | B Laughlin      | Right-hand bat | Right-arm fast-medium  | Australia    |
| 344       | AS Rajpoot      | Right-hand bat | Right-arm medium       | India        |
| 345       | M Vohra         | Right-hand bat | Right-arm medium       | India        |
| 346       | JD Unadkat      | Right-hand bat | Left-arm medium        | India        |
| 347       | Mohammed Shami  | Right-hand bat | Right-arm fast-medium  | India        |
| 348       | BMAJ Mendis     | Left-hand bat  | Legbreak               | Sri Lanka    |
| 349       | R Rampaul       | Left-hand bat  | Right-arm fast-medium  | West Indies  |

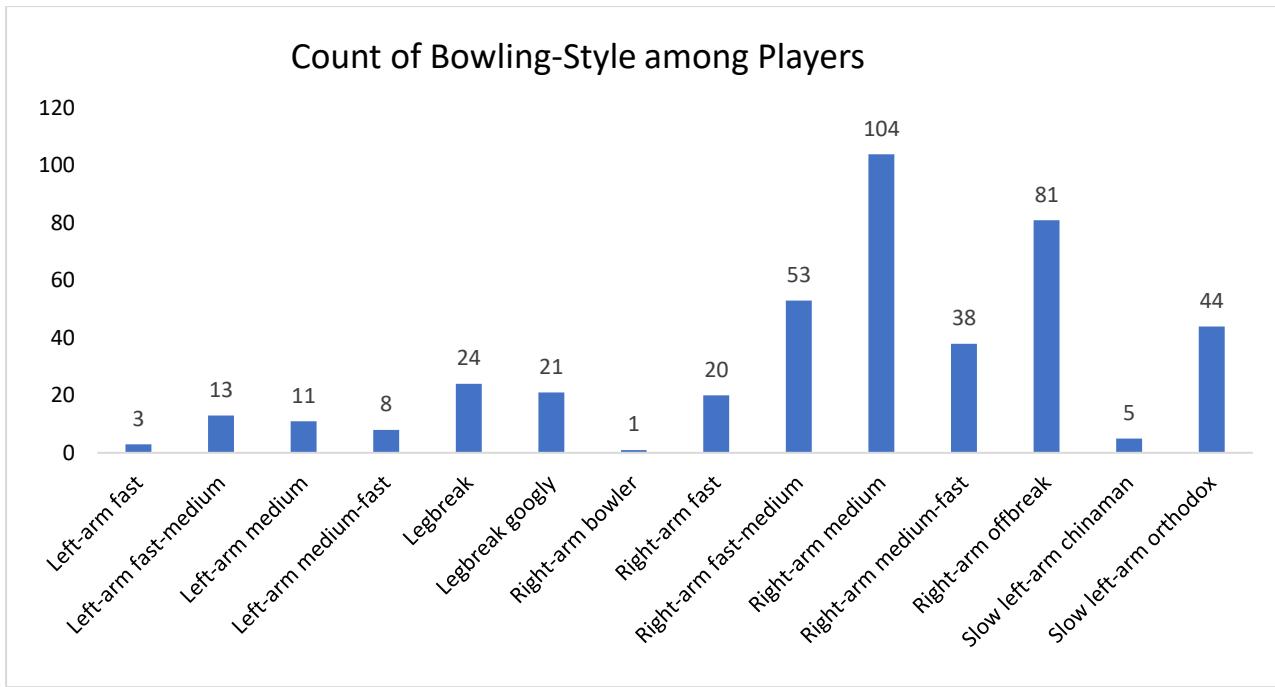
| Player_Id | Player_Name           | Batting_Style  | Bowling_Style          | Country_Name |
|-----------|-----------------------|----------------|------------------------|--------------|
| 350       | CH Morris             | Right-hand bat | Right-arm fast-medium  | South Africa |
| 352       | SMSM Senanayake       | Right-hand bat | Right-arm offbreak     | Sri Lanka    |
| 356       | R Dhawan              | Right-hand bat | Right-arm medium-fast  | India        |
| 357       | MG Johnson            | Left-hand bat  | Left-arm fast          | Australia    |
| 358       | LJ Wright             | Right-hand bat | Right-arm medium-fast  | England      |
| 359       | IC Pandey             | Right-hand bat | Right-arm medium       | India        |
| 361       | X Thalaivan Sargur... | Right-hand bat | Right-arm offbreak     | India        |
| 362       | DJG Sammy             | Right-hand bat | Right-arm medium-fast  | West Indies  |
| 363       | KW Richardson         | Right-hand bat | Right-arm fast-medium  | Australia    |
| 364       | MM Sharma             | Right-hand bat | Right-arm medium       | India        |
| 365       | UA Birla              | Right-hand bat | Right-arm medium       | India        |
| 366       | Parvez Rasool         | Right-hand bat | Right-arm offbreak     | India        |
| 367       | Sandeep Sharma        | Right-hand bat | Right-arm medium       | India        |
| 368       | S Kaul                | Right-hand bat | Right-arm medium       | India        |
| 369       | Sachin Baby           | Left-hand bat  | Right-arm offbreak     | India        |
| 370       | PV Tambe              | Right-hand bat | Legbreak               | India        |
| 371       | NM Coulter-Nile       | Right-hand bat | Right-arm fast         | Australia    |
| 372       | CJ Anderson           | Left-hand bat  | Left-arm medium-fast   | New Zealand  |
| 373       | NJ Maddinson          | Left-hand bat  | Slow left-arm orthodox | Australia    |
| 374       | AR Patel              | Left-hand bat  | Slow left-arm orthodox | India        |
| 375       | JJ Bumrah             | Right-hand bat | Right-arm medium       | India        |
| 376       | JDS Neesham           | Left-hand bat  | Right-arm medium       | New Zealand  |
| 377       | TG Southee            | Right-hand bat | Right-arm medium-fast  | New Zealand  |
| Player_Id | Player_Name           | Batting_Style  | Bowling_Style          | Country_Name |
| 378       | MA Starc              | Left-hand bat  | Left-arm fast          | Australia    |
| 380       | RR Rossouw            | Left-hand bat  | Right-arm offbreak     | South Africa |
| 381       | Shivam Sharma         | Right-hand bat | Right-arm offbreak     | India        |
| 382       | YS Chahal             | Right-hand bat | Legbreak googly        | India        |
| 383       | LMP Simmons           | Right-hand bat | Right-arm medium-fast  | West Indies  |
| 384       | VH Zol                | Left-hand bat  | Right-arm offbreak     | India        |
| 385       | BCJ Cutting           | Right-hand bat | Right-arm fast-medium  | Australia    |
| 386       | Imran Tahir           | Right-hand bat | Legbreak googly        | India        |
| 387       | BE Hendricks          | Left-hand bat  | Left-arm fast-medium   | South Africa |
| 388       | S Gopal               | Right-hand bat | Legbreak               | India        |
| 389       | M de Lange            | Right-hand bat | Right-arm fast         | South Africa |
| 390       | R Tewatia             | Left-hand bat  | Legbreak               | India        |
| 391       | JO Holder             | Right-hand bat | Right-arm medium-fast  | West Indies  |
| 392       | Karanveer Singh       | Right-hand bat | Legbreak googly        | India        |
| 393       | SS Iyer               | Right-hand bat | Legbreak googly        | India        |
| 394       | DJ Hooda              | Right-hand bat | Right-arm offbreak     | India        |
| 395       | Anureet Singh         | Right-hand bat | Right-arm medium       | India        |
| 396       | KS Williamson         | Right-hand bat | Right-arm offbreak     | New Zealand  |
| 397       | SA Abbott             | Right-hand bat | Right-arm fast-medium  | New Zealand  |
| 398       | J Suchith             | Left-hand bat  | Slow left-arm orthodox | India        |
| 399       | RG More               | Right-hand bat | Right-arm medium       | India        |
| 400       | HH Pandya             | Right-hand bat | Right-arm medium-fast  | India        |
| 401       | D Wiese               | Right-hand bat | Right-arm medium-fast  | South Africa |

| Player_Id | Player_Name     | Batting_Style  | Bowling_Style          | Country_Name |
|-----------|-----------------|----------------|------------------------|--------------|
| 402       | SN Khan         | Right-hand bat | Legbreak               | India        |
| 403       | MJ McClenaghan  | Left-hand bat  | Left-arm fast-medium   | New Zealand  |
| 404       | DJ Muthuswami   | Right-hand bat | Right-arm medium       | India        |
| 405       | PJ Cummins      | Right-hand bat | Right-arm fast         | Australia    |
| 406       | SN Thakur       | Right-hand bat | Right-arm medium       | India        |
| 408       | CR Brathwaite   | Right-hand bat | Right-arm fast-medium  | West Indies  |
| 409       | MP Stoinis      | Right-hand bat | Right-arm medium       | Australia    |
| 411       | C Munro         | Left-hand bat  | Right-arm medium-fast  | New Zealand  |
| 412       | P Sahu          | Right-hand bat | Legbreak googly        | India        |
| 413       | KH Pandya       | Left-hand bat  | Slow left-arm orthodox | India        |
| 414       | AD Nath         | Right-hand bat | Right-arm medium-fast  | India        |
| 415       | MJ Guptill      | Right-hand bat | Right-arm offbreak     | New Zealand  |
| 416       | KJ Abbott       | Right-hand bat | Right-arm fast-medium  | South Africa |
| 417       | TM Head         | Left-hand bat  | Right-arm offbreak     | Australia    |
| 418       | M Ashwin        | Right-hand bat | Legbreak googly        | India        |
| 422       | KC Cariappa     | Right-hand bat | Legbreak               | India        |
| 424       | Swapnil Singh   | Right-hand bat | Slow left-arm orthodox | India        |
| 425       | J Yadav         | Right-hand bat | Right-arm offbreak     | India        |
| 426       | UT Khawaja      | Left-hand bat  | Right-arm medium       | Australia    |
| 427       | HM Amla         | Right-hand bat | Right-arm offbreak     | South Africa |
| 428       | F Behardien     | Right-hand bat | Right-arm fast-medium  | South Africa |
| 429       | BB Sran         | Left-hand bat  | Left-arm medium        | India        |
| 430       | A Zampa         | Right-hand bat | Legbreak googly        | Australia    |
| Player_Id | Player_Name     | Batting_Style  | Bowling_Style          | Country_Name |
| 431       | N Rana          | Left-hand bat  | Right-arm offbreak     | India        |
| 432       | S Kaushik       | Right-hand bat | Slow left-arm chinaman | India        |
| 434       | CJ Jordan       | Right-hand bat | Right-arm fast-medium  | England      |
| 435       | P Amarnath      | Right-hand bat | Right-arm medium       | India        |
| 436       | B Geeves        | Right-hand bat | Right-arm fast-medium  | Australia    |
| 437       | Gagandeep Singh | Right-hand bat | Right-arm medium-fast  | India        |
| 438       | A Nel           | Right-hand bat | Right-arm fast-medium  | South Africa |
| 439       | AM Salvi        | Right-hand bat | Right-arm medium       | India        |
| 440       | RR Bose         | Right-hand bat | Right-arm fast-medium  | India        |
| 441       | SS Sarkar       | Right-hand bat | Right-arm medium       | India        |
| 442       | RA Shaikh       | Left-hand bat  | Left-arm medium        | India        |
| 443       | C Ganapathy     | Right-hand bat | Right-arm medium       | India        |
| 444       | MB Parmar       | Right-hand bat | Right-arm offbreak     | India        |
| 445       | AA Kazi         | Left-hand bat  | Slow left-arm orthodox | India        |
| 446       | Anand Rajan     | Right-hand bat | Right-arm medium       | India        |
| 447       | P Prasanth      | Left-hand bat  | Slow left-arm orthodox | India        |
| 448       | SS Mundhe       | Right-hand bat | Right-arm medium       | India        |
| 449       | RW Price        | Right-hand bat | Slow left-arm orthodox | Zimbabwe     |
| 450       | TP Sudhindra    | Left-hand bat  | Right-arm fast         | India        |
| 451       | BW Hilfenhaus   | Right-hand bat | Right-arm fast-medium  | Australia    |
| 452       | S Badree        | Right-hand bat | Legbreak               | West Indies  |
| 453       | P Suyal         | Right-hand bat | Left-arm medium        | India        |
| 454       | MG Nesar        | Right-hand bat | Right-arm medium       | Australia    |

| Player_Id | Player_Name       | Batting_Style  | Bowling_Style          | Country_Name |
|-----------|-------------------|----------------|------------------------|--------------|
| 454       | MG Nesar          | Right-hand bat | Right-arm medium       | Australia    |
| 455       | V Shankar         | Right-hand bat | Right-arm medium       | India        |
| 456       | K Santokie        | Left-hand bat  | Left-arm medium        | West Indies  |
| 457       | JW Hastings       | Right-hand bat | Right-arm fast-medium  | Australia    |
| 458       | TA Boult          | Right-hand bat | Left-arm fast-medium   | New Zealand  |
| 459       | GS Sandhu         | Left-hand bat  | Right-arm fast-medium  | Australia    |
| 460       | Mustafizur Rahman | Left-hand bat  | Left-arm fast-medium   | Bangladesh   |
| 461       | AF Milne          | Right-hand bat | Right-arm fast         | New Zealand  |
| 462       | Kuldeep Yadav     | Left-hand bat  | Slow left-arm chinaman | India        |
| 463       | T Shamsi          | Right-hand bat | Slow left-arm chinaman | South Africa |
| 464       | SM Boland         | Right-hand bat | Right-arm fast-medium  | Australia    |
| 465       | DL Chahar         | Right-hand bat | Right-arm medium       | India        |
| 467       | RV Pawar          | Left-hand bat  | Slow left-arm orthodox | India        |
| 469       | T Mishra          | Right-hand bat | Right-arm fast-medium  | India        |

### BATTING-STYLE AMONG PLAYERS





## Approach

1. Data Retrieval: The SQL query retrieves data on players who can contribute both with bat and ball. It selects:
  - Player ID and Name: Basic identification of the player.
  - Batting Style: The batting style of the player (e.g., left-handed, right-handed).
  - Bowling Style: The bowling style of the player (e.g., fast, spin).
  - Country: The country the player represents.
2. Joining Tables: The query joins the Player, Batting\_Style, Bowling\_Style, and Country tables to gather comprehensive information about each player's skills.
3. Filtering Criteria: The query filters out players who do not have a bowling skill, ensuring that only those who can contribute with both bat and ball are included.

## Insights

1. **Versatile Players:** The results will highlight players who are capable of performing in multiple roles, making them valuable assets to the team. These players can adapt to different match situations, whether it requires aggressive batting or effective bowling.
2. **Skill Diversity:** By analyzing batting and bowling styles, teams can identify players who bring a diverse skill set, which can be crucial in various formats of the game.
3. **Country Representation:** Understanding the country representation can also help in team dynamics, especially in international tournaments where players from different backgrounds may bring unique strengths.

## **Recommendations**

1. **Focus on All-Rounders:** When selecting players, prioritize those who can contribute effectively with both bat and ball. All-rounders can provide flexibility in team composition and strategy.
2. **Performance Monitoring:** Continuously monitor the performance of these versatile players in matches to ensure they are contributing effectively. This will help in making informed decisions about their inclusion in the team.
3. **Team Strategy:** Utilize the skills of versatile players strategically in matches. For example, they can be used in situations where the team needs quick runs or crucial wickets, enhancing overall team performance.

## **Visualizations:**

- **Bar Chart:** Create a bar chart to show the number of players by batting and bowling styles. This will help visualize the distribution of versatile players across different styles.
  - **Pie Chart:** A pie chart can illustrate the proportion of players from different countries who are versatile, highlighting any trends in all-rounder representation.
5. Are there players whose presence positively influences the morale and performance of the team? (justify your answer using visualization)

Ans--- Identify Players with the Most "Man of the Match" Awards

```
select p.Player_Id, p.Player_Name,  
count(m.Man_of_the_Match) as Man_of_the_Match_Awards  
from Player p  
join Matches m on p.Player_Id = m.Man_of_the_Match  
group by p.Player_Id, p.Player_Name  
order by Man_of_the_Match_Awards desc;
```

OUTPUT-

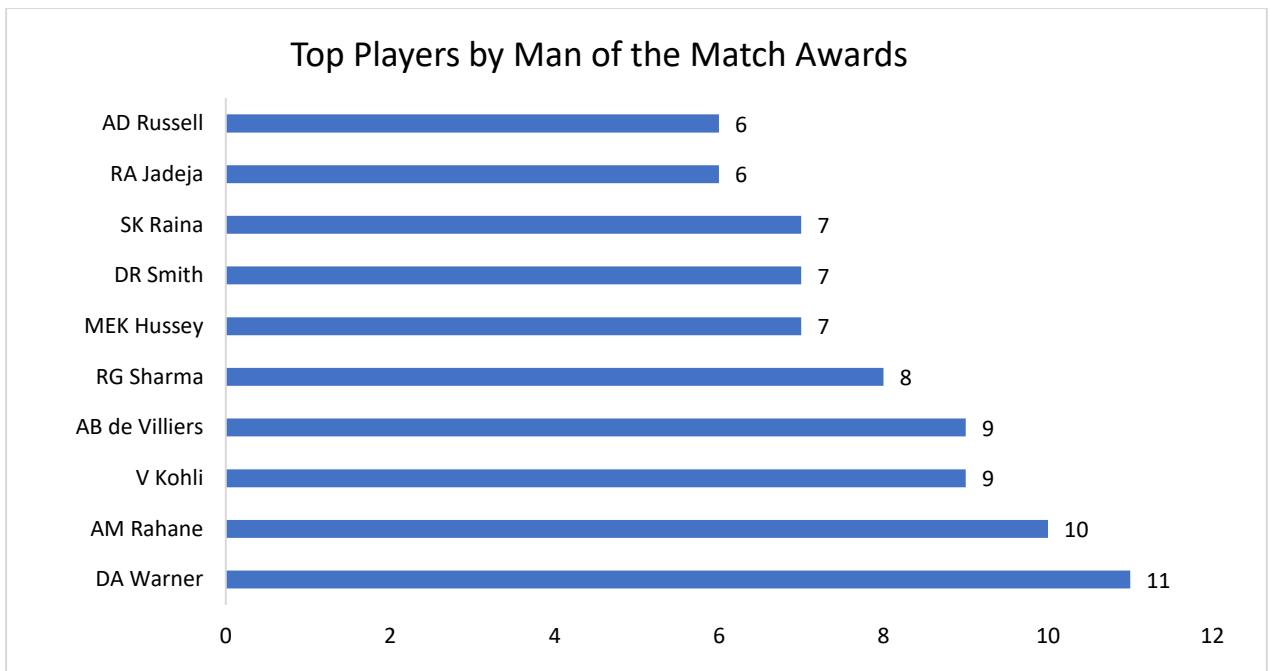
| Player_Id | Player_Name    | Man_of_the_Match_Awards |
|-----------|----------------|-------------------------|
| 187       | DA Warner      | 11                      |
| 85        | AM Rahane      | 10                      |
| 8         | V Kohli        | 9                       |
| 110       | AB de Villiers | 9                       |
| 57        | RG Sharma      | 8                       |
| 19        | MEK Hussey     | 7                       |
| 147       | DR Smith       | 7                       |
| 21        | SK Raina       | 7                       |
| 35        | RA Jadeja      | 6                       |
| 334       | AD Russell     | 6                       |
| 162       | CH Gayle       | 5                       |
| 136       | A Mishra       | 5                       |
| 254       | AJ Finch       | 5                       |
| 40        | G Gambhir      | 5                       |
| 310       | JP Faulkner    | 5                       |
| 20        | MS Dhoni       | 5                       |
| 221       | KA Pollard     | 4                       |
| 31        | YK Pathan      | 4                       |
| 17        | PA Patel       | 4                       |
| 305       | GJ Maxwell     | 4                       |
| 299       | B Kumar        | 4                       |
| 46        | RV Uthappa     | 4                       |
| 232       | UT Yadav       | 4                       |
| 73        | A Nehra        | 4                       |

| Player_Id | Player_Name    | Man_of_the_Match_Awards |
|-----------|----------------|-------------------------|
| 345       | M Vohra        | 3                       |
| 320       | DA Miller      | 3                       |
| 9         | JH Kallis      | 3                       |
| 32        | SR Watson      | 3                       |
| 50        | Harbhajan S... | 3                       |
| 367       | Sandeep Sh...  | 3                       |
| 374       | AR Patel       | 3                       |
| 340       | GH Vihari      | 2                       |
| 306       | SPD Smith      | 2                       |
| 41        | V Sehwag       | 2                       |
| 351       | SV Samson      | 2                       |
| 357       | MG Johnson     | 2                       |
| 96        | MK Pandey      | 2                       |
| 154       | JP Duminy      | 2                       |
| 370       | PV Tambe       | 2                       |
| 372       | CJ Anderson    | 2                       |
| 339       | KK Nair        | 2                       |
| 208       | AT Rayudu      | 2                       |
| 383       | LMP Simmons    | 2                       |
| 100       | SE Marsh       | 2                       |
| 2         | BB McCullum    | 2                       |
| 400       | HH Pandya      | 2                       |
| 163       | MC Henriques   | 2                       |
| 106       | AB Dinda       | 2                       |

| Player_Id | Player_Name   | Man_of_the_Match_Awards |
|-----------|---------------|-------------------------|
| 350       | CH Morris     | 2                       |
| 409       | MP Stoinis    | 2                       |
| 413       | KH Pandya     | 2                       |
| 315       | SP Narine     | 1                       |
| 6         | R Dravid      | 1                       |
| 39        | SK Trivedi    | 1                       |
| 88        | KD Karthik    | 1                       |
| 120       | MS Gony       | 1                       |
| 81        | R Vinay Kumar | 1                       |
| 84        | I Sharma      | 1                       |
| 362       | DJG Sammy     | 1                       |
| 53        | AC Gilchrist  | 1                       |
| 133       | SR Tendulkar  | 1                       |
| 309       | KK Cooper     | 1                       |
| 346       | JD Unadkat    | 1                       |
| 256       | Harmeet Singh | 1                       |
| 207       | AP Tare       | 1                       |
| 321       | Azhar Mahm... | 1                       |
| 358       | LJ Wright     | 1                       |
| 104       | BJ Hodge      | 1                       |
| 382       | YS Chahal     | 1                       |
| 336       | CA Lynn       | 1                       |
| 364       | MM Sharma     | 1                       |
| 185       | M Vijay       | 1                       |
| 94        | DW Steyn      | 1                       |

| Player_Id | Player_Name     | Man_of_the_Match_Awards |
|-----------|-----------------|-------------------------|
| 27        | Yuvraj Singh    | 1                       |
| 62        | WP Saha         | 1                       |
| 190       | M Morkel        | 1                       |
| 394       | DJ Hooda        | 1                       |
| 197       | GJ Bailey       | 1                       |
| 260       | MA Agarwal      | 1                       |
| 393       | SS Iyer         | 1                       |
| 378       | MA Starc        | 1                       |
| 194       | SL Malinga      | 1                       |
| 296       | VR Aaron        | 1                       |
| 458       | TA Boult        | 1                       |
| 67        | PP Chawla       | 1                       |
| 71        | DJ Bravo        | 1                       |
| 371       | NM Coulter...   | 1                       |
| 236       | Mandeep Si...   | 1                       |
| 216       | EJG Morgan      | 1                       |
| 15        | Z Khan          | 1                       |
| 322       | P Negi          | 1                       |
| 403       | MJ McClena...   | 1                       |
| 355       | Q de Kock       | 1                       |
| 460       | Mustafizur R... | 1                       |
| 308       | SA Yadav        | 1                       |
| 408       | CR Brathwaite   | 1                       |
| 420       | RR Pant         | 1                       |
| 14        | P Kumar         | 1                       |
| 430       | A Zampa         | 1                       |
| 427       | HM Amla         | 1                       |
| 385       | BCJ Cutting     | 1                       |

-- This query identifies players who have received the most 'Man of the Match' awards, indicating their impact on individual match outcomes.



-- Analyze Win Rates of Players

```

select p.Player_Id, p.Player_Name, count(pm.Match_Id) as
Matches_Played,
sum(case when m.Match_Winner = pm.Team_Id then 1 else 0
end) as Wins,
(sum(case when m.Match_Winner = pm.Team_Id then 1 else
0 end) * 100.0 / count(pm.Match_Id)) as Win_Percentage
from Player p
join Player_Match pm on p.Player_Id = pm.Player_Id
join Matches m on pm.Match_Id = m.Match_Id
group by p.Player_Id, p.Player_Name
having count(pm.Match_Id) > 0
order by Win_Percentage desc;

```

**OUTPUT-**

| Player_Id | Player_Name    | Matches_Played | Wins | Win_Percentage |
|-----------|----------------|----------------|------|----------------|
| 266       | AL Menaria     | 1              | 1    | 100.00000      |
| 446       | Anand Rajan    | 2              | 2    | 100.00000      |
| 198       | AB McDonald    | 1              | 1    | 100.00000      |
| 222       | S Ladda        | 2              | 2    | 100.00000      |
| 259       | RV Gomez       | 2              | 2    | 100.00000      |
| 454       | MG Neser       | 1              | 1    | 100.00000      |
| 455       | V Shankar      | 1              | 1    | 100.00000      |
| 385       | BCJ Cutting    | 5              | 5    | 100.00000      |
| 456       | K Santokie     | 2              | 2    | 100.00000      |
| 389       | M de Lange     | 2              | 2    | 100.00000      |
| 461       | AF Milne       | 1              | 1    | 100.00000      |
| 465       | DL Chahar      | 2              | 2    | 100.00000      |
| 452       | S Badree       | 5              | 4    | 80.00000       |
| 381       | Shivam Shar... | 5              | 4    | 80.00000       |
| 434       | CJ Jordan      | 9              | 7    | 77.77778       |
| 335       | A Chandila     | 8              | 6    | 75.00000       |
| 284       | RN ten Does... | 20             | 15   | 75.00000       |
| 451       | BW Hilfenhaus  | 8              | 6    | 75.00000       |
| 429       | BB Sran        | 15             | 11   | 73.33333       |
| 359       | IC Pandey      | 25             | 18   | 72.00000       |
| 133       | SR Tendulkar   | 14             | 10   | 71.42857       |
| 331       | PA Reddy       | 7              | 5    | 71.42857       |
| 77        | S Sreesanth    | 7              | 5    | 71.42857       |
| 186       | SB Jakati      | 7              | 5    | 71.42857       |
| 398       | J Suchith      | 14             | 10   | 71.42857       |

| Player_Id | Player_Name     | Matches_Played | Wins | Win_Percentage |
|-----------|-----------------|----------------|------|----------------|
| 383       | LMP Simmons     | 22             | 15   | 68.18182       |
| 23        | S Badrinath     | 18             | 12   | 66.66667       |
| 238       | SW Tait         | 3              | 2    | 66.66667       |
| 286       | AG Murtaza      | 3              | 2    | 66.66667       |
| 369       | Sachin Baby     | 15             | 10   | 66.66667       |
| 228       | Bipul Sharma    | 12             | 8    | 66.66667       |
| 373       | NJ Maddinson    | 3              | 2    | 66.66667       |
| 379       | BR Dunk         | 3              | 2    | 66.66667       |
| 388       | S Gopal         | 6              | 4    | 66.66667       |
| 417       | TM Head         | 3              | 2    | 66.66667       |
| 403       | MJ McClena...   | 26             | 17   | 65.38462       |
| 39        | SK Trivedi      | 17             | 11   | 64.70588       |
| 327       | BB Samantray    | 8              | 5    | 62.50000       |
| 396       | KS Williamson   | 8              | 5    | 62.50000       |
| 458       | TA Boult        | 8              | 5    | 62.50000       |
| 460       | Mustafizur R... | 16             | 10   | 62.50000       |
| 21        | SK Raina        | 66             | 41   | 62.12121       |
| 131       | PP Ojha         | 29             | 18   | 62.06897       |
| 377       | TG Southee      | 21             | 13   | 61.90476       |
| 83        | M Kartik        | 13             | 8    | 61.53846       |
| 10        | CL White        | 13             | 8    | 61.53846       |
| 147       | DR Smith        | 57             | 35   | 61.40351       |
| 6         | R Dravid        | 18             | 11   | 61.11111       |
| 71        | DJ Bravo        | 51             | 31   | 60.78431       |
| 35        | RA Jadeja       | 66             | 40   | 60.60606       |

| Player_Id | Player_Name     | Matches_Played | Wins | Win_Percentage |
|-----------|-----------------|----------------|------|----------------|
| 135       | TM Dilshan      | 5              | 3    | 60.00000       |
| 19        | MEK Hussey      | 30             | 18   | 60.00000       |
| 223       | DP Nannes       | 5              | 3    | 60.00000       |
| 163       | MC Henriques    | 40             | 24   | 60.00000       |
| 2         | BB McCullum     | 45             | 27   | 60.00000       |
| 203       | CA Pujara       | 10             | 6    | 60.00000       |
| 400       | HH Pandya       | 20             | 12   | 60.00000       |
| 410       | Ishan Kishan    | 5              | 3    | 60.00000       |
| 208       | AT Rayudu       | 62             | 37   | 59.67742       |
| 276       | Shakib Al Ha... | 27             | 16   | 59.25926       |
| 17        | PA Patel        | 49             | 29   | 59.18367       |
| 340       | GH Vihari       | 22             | 13   | 59.09091       |
| 308       | SA Yadav        | 44             | 26   | 59.09091       |
| 350       | CH Morris       | 39             | 23   | 58.97436       |
| 81        | R Vinay Kumar   | 41             | 24   | 58.53659       |
| 239       | KB Arun Kar...  | 12             | 7    | 58.33333       |
| 96        | MK Pandey       | 48             | 28   | 58.33333       |
| 357       | MG Johnson      | 43             | 25   | 58.13953       |
| 50        | Harbhajan S...  | 62             | 36   | 58.06452       |
| 221       | KA Pollard      | 62             | 36   | 58.06452       |
| 201       | R Ashwin        | 62             | 36   | 58.06452       |
| 394       | DJ Hooda        | 31             | 18   | 58.06452       |
| 255       | STR Binny       | 57             | 33   | 57.89474       |
| 303       | F du Plessis    | 38             | 22   | 57.89474       |
| 57        | RG Sharma       | 64             | 37   | 57.81250       |
| Player_Id | Player_Name     | Matches_Played | Wins | Win_Percentage |
| 356       | R Dhawan        | 26             | 15   | 57.69231       |
| 104       | BJ Hodge        | 21             | 12   | 57.14286       |
| 333       | P Awana         | 21             | 12   | 57.14286       |
| 194       | SL Malinga      | 42             | 24   | 57.14286       |
| 270       | S Aravind       | 14             | 8    | 57.14286       |
| 20        | MS Dhoni        | 65             | 37   | 56.92308       |
| 236       | Mandeep Si...   | 34             | 19   | 55.88235       |
| 67        | PP Chawla       | 52             | 29   | 55.76923       |
| 364       | MM Sharma       | 61             | 34   | 55.73770       |
| 26        | KC Sangakkara   | 9              | 5    | 55.55556       |
| 246       | AN Ahmed        | 9              | 5    | 55.55556       |
| 161       | RS Bopara       | 9              | 5    | 55.55556       |
| 310       | JP Faulkner     | 49             | 27   | 55.10204       |
| 315       | SP Narine       | 51             | 28   | 54.90196       |
| 151       | L Balaji        | 22             | 12   | 54.54545       |
| 183       | NV Ojha         | 44             | 24   | 54.54545       |
| 121       | M Muralitharan  | 11             | 6    | 54.54545       |
| 325       | A Ashish Re...  | 22             | 12   | 54.54545       |
| 370       | PV Tambe        | 33             | 18   | 54.54545       |
| 31        | YK Pathan       | 59             | 32   | 54.23729       |
| 53        | AC Gilchrist    | 13             | 7    | 53.84615       |
| 351       | SV Samson       | 52             | 28   | 53.84615       |
| 40        | G Gambhir       | 60             | 32   | 53.33333       |
| 61        | RP Singh        | 15             | 8    | 53.33333       |
| 171       | M Manhas        | 15             | 8    | 53.33333       |

| Player_Id | Player_Name    | Matches_Played | Wins | Win_Percentage |
|-----------|----------------|----------------|------|----------------|
| 232       | UT Yadav       | 49             | 26   | 53.06122       |
| 162       | CH Gayle       | 49             | 26   | 53.06122       |
| 42        | S Dhawan       | 55             | 29   | 52.72727       |
| 309       | KK Cooper      | 19             | 10   | 52.63158       |
| 140       | Iqbal Abdulla  | 19             | 10   | 52.63158       |
| 190       | M Morkel       | 39             | 20   | 51.28205       |
| 80        | DS Kulkarni    | 39             | 20   | 51.28205       |
| 339       | KK Nair        | 41             | 21   | 51.21951       |
| 32        | SR Watson      | 55             | 28   | 50.90909       |
| 85        | AM Rahane      | 59             | 30   | 50.84746       |
| 73        | A Nehra        | 38             | 19   | 50.00000       |
| 334       | AD Russell     | 30             | 15   | 50.00000       |
| 3         | RT Ponting     | 6              | 3    | 50.00000       |
| 8         | V Kohli        | 62             | 31   | 50.00000       |
| 258       | DT Christian   | 2              | 1    | 50.00000       |
| 46        | RV Uthappa     | 60             | 30   | 50.00000       |
| 112       | DB Ravi Teja   | 2              | 1    | 50.00000       |
| 341       | MDKJ Perera    | 2              | 1    | 50.00000       |
| 344       | AS Rajpoot     | 6              | 3    | 50.00000       |
| 14        | P Kumar        | 46             | 23   | 50.00000       |
| 321       | Azhar Mahm...  | 12             | 6    | 50.00000       |
| 110       | AB de Villiers | 60             | 30   | 50.00000       |
| 283       | J Syed Moh...  | 4              | 2    | 50.00000       |
| 352       | SMSM Sena...   | 8              | 4    | 50.00000       |
| 120       | MS Gony        | 8              | 4    | 50.00000       |

| Player_Id | Player_Name    | Matches_Played | Wins | Win_Percentage |
|-----------|----------------|----------------|------|----------------|
| 54        | Y Venugopal... | 8              | 4    | 50.00000       |
| 302       | BA Bhatt       | 2              | 1    | 50.00000       |
| 204       | OA Shah        | 2              | 1    | 50.00000       |
| 226       | S Narwal       | 2              | 1    | 50.00000       |
| 316       | GB Hogg        | 12             | 6    | 50.00000       |
| 243       | VS Malik       | 4              | 2    | 50.00000       |
| 336       | CA Lynn        | 4              | 2    | 50.00000       |
| 390       | R Tewatia      | 4              | 2    | 50.00000       |
| 405       | PJ Cummins     | 4              | 2    | 50.00000       |
| 404       | DJ Muthusw...  | 6              | 3    | 50.00000       |
| 397       | SA Abbott      | 2              | 1    | 50.00000       |
| 422       | KC Cariappa    | 6              | 3    | 50.00000       |
| 402       | SN Khan        | 18             | 9    | 50.00000       |
| 425       | J Yadav        | 8              | 4    | 50.00000       |
| 407       | JC Buttler     | 14             | 7    | 50.00000       |
| 408       | CR Brathwaite  | 8              | 4    | 50.00000       |
| 411       | C Munro        | 4              | 2    | 50.00000       |
| 414       | AD Nath        | 4              | 2    | 50.00000       |
| 413       | KH Pandya      | 12             | 6    | 50.00000       |
| 464       | SM Boland      | 2              | 1    | 50.00000       |
| 426       | UT Khawaja     | 6              | 3    | 50.00000       |
| 431       | N Rana         | 4              | 2    | 50.00000       |
| 433       | ER Dwivedi     | 4              | 2    | 50.00000       |
| 88        | KD Karthik     | 65             | 32   | 49.23077       |
| 382       | YS Chahal      | 43             | 21   | 48.83721       |

| Player_Id | Player_Name     | Matches_Played | Wins | Win_Percentage |
|-----------|-----------------|----------------|------|----------------|
| 305       | GJ Maxwell      | 41             | 20   | 48.78049       |
| 354       | KL Rahul        | 39             | 19   | 48.71795       |
| 375       | JJ Bumrah       | 31             | 15   | 48.38710       |
| 84        | I Sharma        | 27             | 13   | 48.14815       |
| 207       | AP Tare         | 25             | 12   | 48.00000       |
| 62        | WP Saha         | 46             | 22   | 47.82609       |
| 311       | HV Patel        | 23             | 11   | 47.82609       |
| 320       | DA Miller       | 55             | 26   | 47.27273       |
| 197       | GJ Bailey       | 36             | 17   | 47.22222       |
| 136       | A Mishra        | 53             | 25   | 47.16981       |
| 280       | NLTC Perera     | 30             | 14   | 46.66667       |
| 401       | D Wiese         | 15             | 7    | 46.66667       |
| 277       | DH Yagnik       | 13             | 6    | 46.15385       |
| 299       | B Kumar         | 61             | 28   | 45.90164       |
| 296       | VR Aaron        | 24             | 11   | 45.83333       |
| 166       | KV Sharma       | 46             | 21   | 45.65217       |
| 391       | JO Holder       | 11             | 5    | 45.45455       |
| 362       | DJG Sammy       | 22             | 10   | 45.45455       |
| 366       | Parvez Rasool   | 11             | 5    | 45.45455       |
| 393       | SS Iyer         | 20             | 9    | 45.00000       |
| 94        | DW Steyn        | 38             | 17   | 44.73684       |
| 41        | V Sehwag        | 38             | 17   | 44.73684       |
| 301       | S Rana          | 9              | 4    | 44.44444       |
| 378       | MA Starc        | 27             | 12   | 44.44444       |
| 187       | DA Warner       | 61             | 27   | 44.26230       |
| Player_Id | Player_Name     | Matches_Played | Wins | Win_Percentage |
| 89        | R Bhatia        | 39             | 17   | 43.58974       |
| 109       | JA Morkel       | 21             | 9    | 42.85714       |
| 363       | KW Richardson   | 14             | 6    | 42.85714       |
| 387       | BE Hendricks    | 7              | 3    | 42.85714       |
| 409       | MP Stoinis      | 7              | 3    | 42.85714       |
| 355       | Q de Kock       | 26             | 11   | 42.30769       |
| 79        | SS Tiwary       | 26             | 11   | 42.30769       |
| 374       | AR Patel        | 45             | 19   | 42.22222       |
| 367       | Sandeep Sh...   | 43             | 18   | 41.86047       |
| 9         | JH Kallis       | 24             | 10   | 41.66667       |
| 346       | JD Unadkat      | 24             | 10   | 41.66667       |
| 349       | R Rampaul       | 12             | 5    | 41.66667       |
| 4         | DJ Hussey       | 17             | 7    | 41.17647       |
| 345       | M Vohra         | 34             | 14   | 41.17647       |
| 306       | SPD Smith       | 39             | 16   | 41.02564       |
| 216       | EJG Morgan      | 30             | 12   | 40.00000       |
| 100       | SE Marsh        | 20             | 8    | 40.00000       |
| 453       | P Suyal         | 5              | 2    | 40.00000       |
| 420       | RR Pant         | 10             | 4    | 40.00000       |
| 421       | SW Billings     | 5              | 2    | 40.00000       |
| 430       | A Zampa         | 5              | 2    | 40.00000       |
| 254       | AJ Finch        | 43             | 17   | 39.53488       |
| 27        | Yuvraj Singh    | 51             | 20   | 39.21569       |
| 329       | Gurkeerat Si... | 23             | 9    | 39.13043       |
| 371       | NM Coulter-...  | 18             | 7    | 38.88889       |

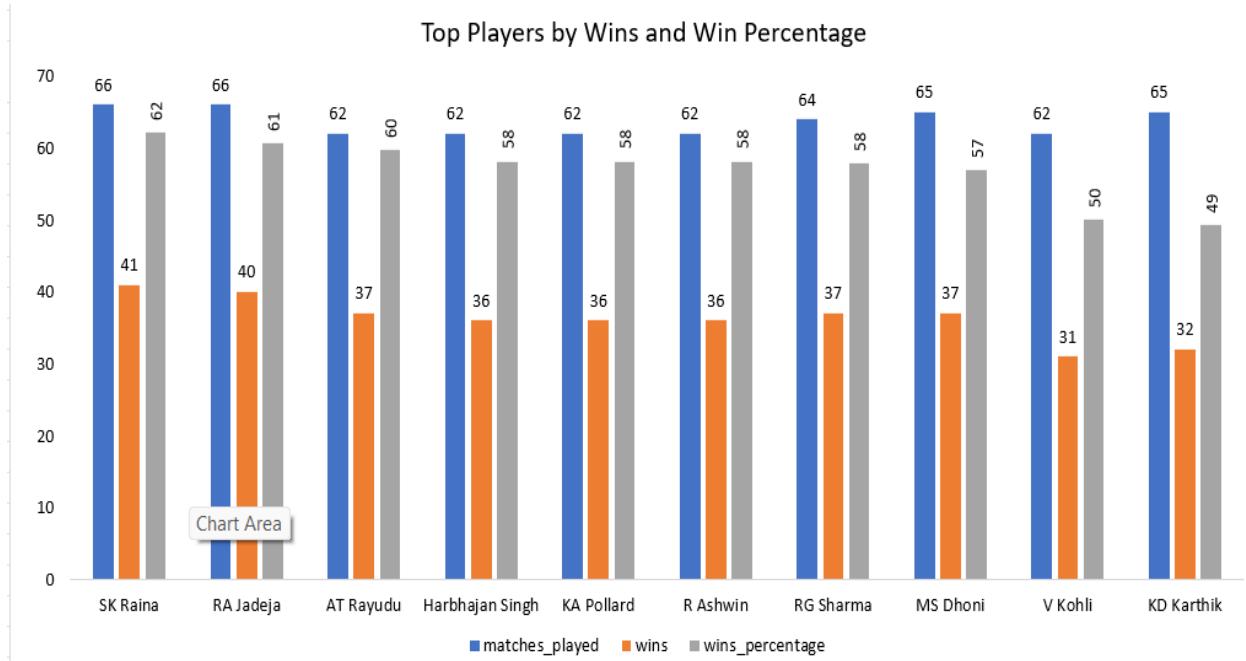
| Player_Id | Player_Name    | Matches_Played | Wins | Win_Percentage |
|-----------|----------------|----------------|------|----------------|
| 209       | R Sathish      | 13             | 5    | 38.46154       |
| 322       | P Negi         | 21             | 8    | 38.09524       |
| 15        | Z Khan         | 27             | 10   | 37.03704       |
| 214       | MS Bisla       | 17             | 6    | 35.29412       |
| 262       | UBT Chand      | 17             | 6    | 35.29412       |
| 260       | MA Agarwal     | 26             | 9    | 34.61538       |
| 29        | IK Pathan      | 29             | 10   | 34.48276       |
| 154       | JP Duminy      | 38             | 13   | 34.21053       |
| 63        | LR Shukla      | 9              | 3    | 33.33333       |
| 66        | B Lee          | 3              | 1    | 33.33333       |
| 52        | LRPL Taylor    | 9              | 3    | 33.33333       |
| 106       | AB Dinda       | 33             | 11   | 33.33333       |
| 253       | MR Marsh       | 12             | 4    | 33.33333       |
| 342       | R Shukla       | 6              | 2    | 33.33333       |
| 185       | M Vijay        | 51             | 17   | 33.33333       |
| 188       | RJ Harris      | 3              | 1    | 33.33333       |
| 297       | AA Chavan      | 3              | 1    | 33.33333       |
| 177       | RE van der ... | 3              | 1    | 33.33333       |
| 358       | LJ Wright      | 6              | 2    | 33.33333       |
| 139       | LA Pomersb...  | 3              | 1    | 33.33333       |
| 384       | VH Zol         | 3              | 1    | 33.33333       |
| 457       | JW Hastings    | 3              | 1    | 33.33333       |
| 392       | Karanveer S... | 9              | 3    | 33.33333       |
| 459       | GS Sandhu      | 3              | 1    | 33.33333       |
| 462       | Kuldeep Yadav  | 3              | 1    | 33.33333       |

| Player_Id | Player_Name         | Matches_Played | Wins | Win_Percentage |
|-----------|---------------------|----------------|------|----------------|
| 415       | MJ Guptill          | 3              | 1    | 33.33333       |
| 427       | HM Amla             | 6              | 2    | 33.33333       |
| 191       | AD Mathews          | 22             | 7    | 31.81818       |
| 87        | MK Tiwary           | 23             | 7    | 30.43478       |
| 347       | Mohammed ...        | 23             | 7    | 30.43478       |
| 192       | J Botha             | 10             | 3    | 30.00000       |
| 95        | DB Das              | 10             | 3    | 30.00000       |
| 418       | M Ashwin            | 10             | 3    | 30.00000       |
| 178       | TL Suman            | 7              | 2    | 28.57143       |
| 432       | S Kaushik           | 7              | 2    | 28.57143       |
| 293       | S Nadeem            | 31             | 8    | 25.80645       |
| 126       | MM Patel            | 4              | 1    | 25.00000       |
| 48        | AM Nayar            | 16             | 4    | 25.00000       |
| 237       | KM Jadhav           | 40             | 10   | 25.00000       |
| 116       | PJ Sangwan          | 4              | 1    | 25.00000       |
| 256       | Harmeet Singh       | 4              | 1    | 25.00000       |
| 353       | BJ Rohrer           | 8              | 2    | 25.00000       |
| 82        | AB Agarkar          | 4              | 1    | 25.00000       |
| 267       | WD Parnell          | 12             | 3    | 25.00000       |
| 372       | CJ Anderson         | 16             | 4    | 25.00000       |
| 376       | JDS Neesham         | 4              | 1    | 25.00000       |
| 386       | Imran Tahir         | 20             | 5    | 25.00000       |
| 463       | T Shamsi            | 4              | 1    | 25.00000       |
| 360       | CM Gautam           | 13             | 3    | 23.07692       |
| 64        | DPM D Jay...<br>... | 15             | 3    | 20.00000       |

| Player_Id | Player_Name           | Matches_Played | Wins | Win_Percentage |
|-----------|-----------------------|----------------|------|----------------|
| 380       | RR Rossouw            | 5              | 1    | 20.00000       |
| 412       | P Sahu                | 5              | 1    | 20.00000       |
| 416       | KJ Abbott             | 5              | 1    | 20.00000       |
| 395       | Anureet Singh         | 16             | 3    | 18.75000       |
| 314       | Ankit Sharma          | 11             | 2    | 18.18182       |
| 235       | R Sharma              | 13             | 2    | 15.38462       |
| 158       | KP Pietersen          | 15             | 2    | 13.33333       |
| 338       | MC Juneja             | 7              | 0    | 0.00000        |
| 22        | JDP Oram              | 1              | 0    | 0.00000        |
| 307       | MN Samuels            | 2              | 0    | 0.00000        |
| 343       | B Laughlin            | 2              | 0    | 0.00000        |
| 348       | BMAJ Mendis           | 3              | 0    | 0.00000        |
| 210       | R McLaren             | 2              | 0    | 0.00000        |
| 368       | S Kaul                | 11             | 0    | 0.00000        |
| 125       | S Anirudha            | 2              | 0    | 0.00000        |
| 137       | AD Mascare...<br>na   | 1              | 0    | 0.00000        |
| 167       | PC Valthaty           | 1              | 0    | 0.00000        |
| 174       | BAW Mendis            | 3              | 0    | 0.00000        |
| 361       | X Thalaivan ...<br>na | 1              | 0    | 0.00000        |
| 152       | A Mukund              | 1              | 0    | 0.00000        |
| 36        | M Rawat               | 2              | 0    | 0.00000        |
| 332       | K Upadhyay            | 2              | 0    | 0.00000        |
| 365       | UA Birla              | 2              | 0    | 0.00000        |
| 244       | A Mithun              | 1              | 0    | 0.00000        |
| 93        | B Chipli              | 1              | 0    | 0.00000        |

| Player_Id | Player_Name         | Matches_Played | Wins | Win_Percentage |
|-----------|---------------------|----------------|------|----------------|
| 212       | P Dogra             | 1              | 0    | 0.00000        |
| 114       | YV Takawale         | 5              | 0    | 0.00000        |
| 399       | RG More             | 2              | 0    | 0.00000        |
| 406       | SN Thakur           | 1              | 0    | 0.00000        |
| 233       | J Theron            | 1              | 0    | 0.00000        |
| 419       | NS Naik             | 2              | 0    | 0.00000        |
| 423       | PSP Handsc...<br>na | 2              | 0    | 0.00000        |
| 424       | Swapnil Singh       | 1              | 0    | 0.00000        |
| 428       | F Behardien         | 3              | 0    | 0.00000        |

-- This query analyzes the win rates of players by counting matches played and wins, calculating the win percentage for each player.



-- Identify Key Players by Role

```

select p.Player_Id, p.Player_Name, pm.Role_Id,
count(pm.Match_Id) as Matches_Played
from Player p
join Player_Match pm on p.Player_Id = pm.Player_Id
join Matches m on pm.Match_Id = m.Match_Id
where pm.Role_Id in (1, 2)
group by p.Player_Id, p.Player_Name, pm.Role_Id
order by Matches_Played desc;

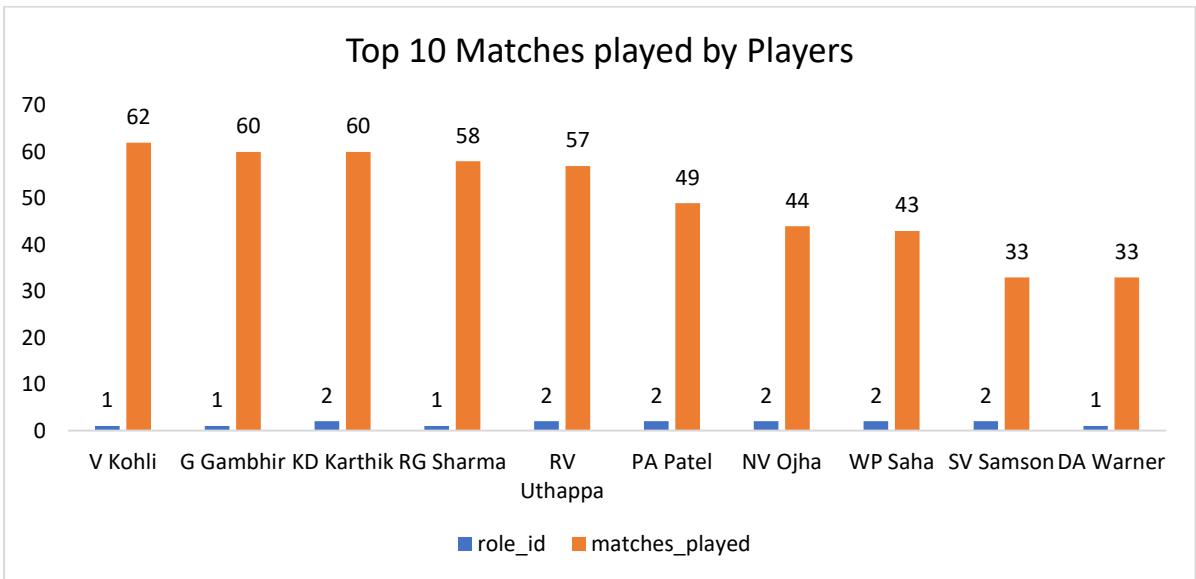
```

OUTPUT-

| Player_Id | Player_Name    | Role_Id | Matches_Played |
|-----------|----------------|---------|----------------|
| 8         | V Kohli        | 1       | 62             |
| 40        | G Gambhir      | 1       | 60             |
| 88        | KD Karthik     | 2       | 60             |
| 57        | RG Sharma      | 1       | 58             |
| 46        | RV Uthappa     | 2       | 57             |
| 17        | PA Patel       | 2       | 49             |
| 183       | NV Ojha        | 2       | 44             |
| 62        | WP Saha        | 2       | 43             |
| 351       | SV Samson      | 2       | 33             |
| 187       | DA Warner      | 1       | 33             |
| 197       | GJ Bailey      | 1       | 30             |
| 237       | KM Jadhav      | 2       | 23             |
| 32        | SR Watson      | 1       | 20             |
| 355       | Q de Kock      | 2       | 19             |
| 6         | R Dravid       | 1       | 18             |
| 354       | KL Rahul       | 2       | 18             |
| 214       | MS Bisla       | 2       | 15             |
| 154       | JP Duminy      | 1       | 15             |
| 21        | SK Raina       | 1       | 15             |
| 64        | DPMD Jaya...   | 1       | 14             |
| 360       | CM Gautam      | 2       | 13             |
| 239       | KB Arun Kar... | 2       | 12             |
| 277       | DH Yagnik      | 2       | 12             |
| 15        | Z Khan         | 1       | 12             |
| 158       | KP Pietersen   | 1       | 11             |

| Player_Id | Player_Name     | Role_Id | Matches_Played |
|-----------|-----------------|---------|----------------|
| 42        | S Dhawan        | 1       | 10             |
| 254       | AJ Finch        | 1       | 10             |
| 10        | CL White        | 1       | 8              |
| 207       | AP Tare         | 2       | 8              |
| 306       | SPD Smith       | 1       | 8              |
| 185       | M Vijay         | 1       | 8              |
| 26        | KC Sangakkara   | 1       | 7              |
| 3         | RT Ponting      | 1       | 6              |
| 320       | DA Miller       | 1       | 6              |
| 191       | AD Mathews      | 1       | 5              |
| 362       | DJG Sammy       | 1       | 4              |
| 407       | JC Buttler      | 2       | 4              |
| 4         | DJ Hussey       | 1       | 3              |
| 329       | Gurkeerat Si... | 2       | 3              |
| 110       | AB de Villiers  | 2       | 3              |
| 341       | MDKJ Perera     | 2       | 2              |
| 114       | YV Takawale     | 2       | 2              |
| 36        | M Rawat         | 2       | 2              |
| 95        | DB Das          | 2       | 2              |
| 419       | NS Naik         | 2       | 2              |
| 41        | V Sehwag        | 1       | 1              |
| 52        | LRPL Taylor     | 1       | 1              |
| 2         | BB McCullum     | 1       | 1              |

-- This query identifies key players based on their roles (e.g., Captain, All-Rounder) and counts the matches they have played.



## Approach

1. Identify Players with the Most "Man of the Match" Awards: The first query identifies players who have received the most "Man of the Match" awards, indicating their significant impact on their team's performance.
2. Analyze Win Rates of Players: The second query calculates the win rate of each player by analyzing their match outcomes. It provides insights into which players contribute to their team's success.
3. Identify Key Players by Role: The third query identifies key players by their role (batsmen or bowlers) and the number of matches they have played. This helps in understanding which players are crucial to the team's strategy.

## **Insights**

1. Influential Players: The results will highlight players who have a positive influence on their team's morale and performance. These players are likely to be key contributors to the team's success.
2. Winning Mentality: The win rate analysis will provide insights into which players have a winning mentality and can lead their team to victories.
3. Role-Specific Contributions: The analysis of key players by role will help in understanding which players are crucial to the team's strategy and how they contribute to the team's success.

## **Recommendations**

1. Focus on Key Players: When selecting players, prioritize those who have a positive influence on their team's morale and performance. These players can be crucial to the team's success.
2. Team Strategy: Utilize the insights from the analysis to inform team strategy. For example, identify key players who can lead the team to victories and prioritize their selection.
3. Player Development: Focus on developing players who have a positive influence on their team's morale and performance. This can include providing additional training and support to help them reach their full potential.

6. What would you suggest to RCB before going to the mega auction?

Ans-Analyze Venue Performance

```
select Venue_Name, Wins, Losses, (Wins * 100.0 / (Wins + Losses)) as Win_Percentage  
from rcb_record  
order by Win_Percentage desc;
```

OUTPUT-

| Venue_Name  | Wins | Losses | Win_Percentage |
|---|------|--------|----------------|
| Barabati Stadium                                    | 2    | 0      | 100.00000      |
| Subrata Roy Sahara Stadium                          | 1    | 0      | 100.00000      |
| Sharjah Cricket Stadium                             | 1    | 0      | 100.00000      |
| Maharashtra Cricket Association Stadium             | 2    | 0      | 100.00000      |
| Punjab Cricket Association IS Bindra Stadium Mohali | 1    | 0      | 100.00000      |
| Eden Gardens  | 17   | 6      | 73.91304       |
| Rajiv Gandhi International Stadium Uppal            | 2    | 1      | 66.66667       |
| M Chinnaswamy Stadium                               | 2    | 2      | 50.00000       |
| Feroz Shah Kotla                                    | 2    | 2      | 50.00000       |
| JSCA International Stadium Complex                  | 1    | 2      | 33.33333       |
| Sheikh Zayed Stadium                                | 1    | 2      | 33.33333       |
| Punjab Cricket Association Stadium Mohali           | 0    | 1      | 0.00000        |
| Wankhede Stadium                                    | 0    | 3      | 0.00000        |
| Sawai Mansingh Stadium                              | 0    | 1      | 0.00000        |
| MA Chidambaram Stadium Chepauk                      | 0    | 2      | 0.00000        |
| Brabourne Stadium                                   | 0    | 1      | 0.00000        |
| Sardar Patel Stadium Motera                         | 0    | 1      | 0.00000        |
| Dr. Y.S. Rajasekhara Reddy ACA-VDCA Cricket Stadium | 0    | 1      | 0.00000        |
| Shaheed Veer Narayan Singh International Stadium    | 0    | 1      | 0.00000        |
| Dubai International Cricket Stadium                 | 0    | 1      | 0.00000        |
| Green Park  | 0    | 1      | 0.00000        |

-- Identify Key Player Roles

```
select Role_Desc, count(Player_Id) as Number_of_Players  
from Player_Match pm  
join Rolee r on pm.Role_Id = r.Role_Id  
group by Role_Desc;
```

OUTPUT-

| Role_Desc     | Number_of_Players |
|---------------|-------------------|
| Player        | 4674              |
| Captain       | 426               |
| Keeper        | 426               |
| CaptainKeeper | 84                |

```
-- Analyze Performance Metrics  
  
select p.Player_Name, avg(b.Runs_Scored) as Average_Runs,  
count(w.Player_Out) as Total_Wickets  
  
from Player p  
  
left join Ball_by_Ball b on p.Player_Id = b.Striker  
  
left join Wicket_Taken w on b.Match_Id = w.Match_Id and  
b.Over_Id = w.Over_Id and b.Ball_Id = w.Ball_Id  
  
group by p.Player_Id  
  
order by Average_Runs desc;
```

OUTPUT-

| Player_Name    | Average_Runs | Total_Wickets | Player_Name    | Average_Runs | Total_Wickets |
|----------------|--------------|---------------|----------------|--------------|---------------|
| RV Gomez       | 4.0000       | 0             | A Ashish Reddy | 1.4759       | 26            |
| AN Ahmed       | 2.3333       | 1             | TG Southee     | 1.4688       | 6             |
| CR Brathwaite  | 2.1842       | 10            | P Sahu         | 1.4615       | 0             |
| PJ Sangwan     | 2.0000       | 0             | DA Miller      | 1.4471       | 87            |
| KH Pandya      | 1.9113       | 11            | DA Warner      | 1.4449       | 116           |
| Bipul Sharma   | 1.8929       | 5             | NLTC Perera    | 1.4436       | 40            |
| M Morkel       | 1.8333       | 10            | JP Faulkner    | 1.4344       | 40            |
| BCJ Cutting    | 1.8250       | 5             | YK Pathan      | 1.4336       | 83            |
| B Lee          | 1.7500       | 2             | CH Gayle       | 1.4292       | 98            |
| LJ Wright      | 1.7377       | 6             | Sachin Baby    | 1.4186       | 9             |
| SN Khan        | 1.7353       | 14            | D Wiese        | 1.4111       | 16            |
| MS Gony        | 1.7308       | 6             | MS Dhoni       | 1.4091       | 119           |
| AD Russell     | 1.7166       | 38            | RN ten Does... | 1.4043       | 22            |
| ER Dwivedi     | 1.7143       | 2             | N Rana         | 1.3867       | 4             |
| AB de Villiers | 1.6749       | 100           | V Kohli        | 1.3818       | 138           |
| CH Morris      | 1.6667       | 16            | JC Buttler     | 1.3784       | 19            |
| Shivam Sharma  | 1.6667       | 1             | SK Raina       | 1.3761       | 125           |
| GJ Maxwell     | 1.6304       | 61            | DJ Hooda       | 1.3657       | 25            |
| KJ Abbott      | 1.6250       | 1             | SPD Smith      | 1.3628       | 59            |
| HV Patel       | 1.6000       | 9             | BB McCullum    | 1.3601       | 84            |
| KK Cooper      | 1.5918       | 15            | R Vinay Kumar  | 1.3594       | 12            |
| MJ McClenag... | 1.5667       | 6             | BJ Rohrer      | 1.3592       | 14            |
| S Narwal       | 1.5333       | 1             | CJ Anderson    | 1.3584       | 22            |
| J Suchith      | 1.5000       | 2             | SW Billings    | 1.3538       | 9             |
| KA Pollard     | 1.4848       | 82            | TM Head        | 1.3500       | 6             |

| Player_Name     | Average_Runs | Total_Wickets | Player_Name     | Average_Runs | Total_Wickets |
|-----------------|--------------|---------------|-----------------|--------------|---------------|
| SR Watson       | 1.3473       | 101           | SR Watson       | 1.3473       | 101           |
| BJ Hodge        | 1.3447       | 30            | BJ Hodge        | 1.3447       | 30            |
| RG Sharma       | 1.3402       | 108           | RG Sharma       | 1.3402       | 108           |
| MP Stoinis      | 1.3394       | 11            | MP Stoinis      | 1.3394       | 11            |
| KM Jadhav       | 1.3367       | 44            | KM Jadhav       | 1.3367       | 44            |
| V Sehwag        | 1.3349       | 63            | V Sehwag        | 1.3349       | 63            |
| Harbhajan Si... | 1.3321       | 38            | Harbhajan Si... | 1.3321       | 38            |
| SA Yadav        | 1.3307       | 43            | SA Yadav        | 1.3307       | 43            |
| WP Saha         | 1.3301       | 73            | WP Saha         | 1.3301       | 73            |
| HM Amla         | 1.3193       | 8             | HM Amla         | 1.3193       | 8             |
| Q de Kock       | 1.3176       | 45            | Q de Kock       | 1.3176       | 45            |
| R Sathish       | 1.3168       | 12            | R Sathish       | 1.3168       | 12            |
| Shakib Al Hasan | 1.3160       | 30            | Shakib Al Hasan | 1.3160       | 30            |
| JP Duminy       | 1.3063       | 52            | JP Duminy       | 1.3063       | 52            |
| RV Uthappa      | 1.3024       | 124           | RV Uthappa      | 1.3024       | 124           |
| P Negi          | 1.3008       | 18            | P Negi          | 1.3008       | 18            |
| STR Binny       | 1.2981       | 41            | STR Binny       | 1.2981       | 41            |
| DR Smith        | 1.2971       | 103           | DR Smith        | 1.2971       | 103           |
| RR Pant         | 1.2941       | 12            | RR Pant         | 1.2941       | 12            |
| M Vohra         | 1.2908       | 49            | M Vohra         | 1.2908       | 49            |
| AD Mathews      | 1.2898       | 32            | AD Mathews      | 1.2898       | 32            |
| R Bhatia        | 1.2821       | 19            | R Bhatia        | 1.2821       | 19            |
| AC Gilchrist    | 1.2783       | 25            | AC Gilchrist    | 1.2783       | 25            |
| Yuvraj Singh    | 1.2767       | 82            | Yuvraj Singh    | 1.2767       | 82            |
| KK Nair         | 1.2766       | 66            | KK Nair         | 1.2766       | 66            |

| Player_Name   | Average_Runs | Total_Wickets | Player_Name  | Average_Runs | Total_Wickets |
|---------------|--------------|---------------|--------------|--------------|---------------|
| LMP Simmons   | 1.2730       | 49            | RA Jadeja    | 1.2226       | 64            |
| UT Khawaja    | 1.2700       | 10            | DJG Sammy    | 1.2190       | 26            |
| JA Morkel     | 1.2697       | 16            | UT Yadav     | 1.2188       | 10            |
| DS Kulkarni   | 1.2692       | 9             | SS Iyer      | 1.2150       | 32            |
| F du Plessis  | 1.2664       | 58            | AR Patel     | 1.2147       | 40            |
| MC Henriques  | 1.2633       | 43            | SR Tendulkar | 1.2146       | 23            |
| AP Tare       | 1.2605       | 25            | PA Patel     | 1.2055       | 76            |
| AJ Finch      | 1.2591       | 70            | M Manhas     | 1.2000       | 5             |
| KL Rahul      | 1.2565       | 47            | RS Bopara    | 1.1983       | 13            |
| Azhar Mahmood | 1.2547       | 13            | MK Pandey    | 1.1976       | 73            |
| Mandeep Singh | 1.2528       | 36            | S Dhawan     | 1.1944       | 90            |
| AT Rayudu     | 1.2523       | 88            | AM Rahane    | 1.1938       | 114           |
| AG Murtaza    | 1.2500       | 1             | NV Ojha      | 1.1926       | 44            |
| GJ Bailey     | 1.2500       | 49            | SS Tiwary    | 1.1902       | 27            |
| KP Pietersen  | 1.2483       | 19            | JO Holder    | 1.1875       | 7             |
| HH Pandya     | 1.2480       | 18            | SV Samson    | 1.1872       | 74            |
| DW Steyn      | 1.2468       | 13            | MA Agarwal   | 1.1821       | 39            |
| SE Marsh      | 1.2465       | 40            | KC Cariappa  | 1.1818       | 4             |
| DH Yagnik     | 1.2404       | 14            | G Gambhir    | 1.1788       | 96            |
| KD Karthik    | 1.2391       | 98            | MM Sharma    | 1.1731       | 10            |
| MEK Hussey    | 1.2352       | 70            | CA Lynn      | 1.1690       | 7             |
| R Tewatia     | 1.2308       | 1             | SN Thakur    | 1.1667       | 0             |
| DJ Bravo      | 1.2297       | 41            | GB Hogg      | 1.1667       | 0             |
| EJG Morgan    | 1.2266       | 48            | PP Chawla    | 1.1579       | 25            |
| MR Marsh      | 1.2250       | 15            | SA Abbott    | 1.1538       | 1             |

| Player_Name     | Average_Runs | Total_Wickets |
|-----------------|--------------|---------------|
| DJ Hussey       | 1.1508       | 26            |
| Gurkeerat Singh | 1.1480       | 30            |
| KV Sharma       | 1.1459       | 25            |
| YV Takawale     | 1.1429       | 9             |
| BR Dunk         | 1.1429       | 4             |
| CL White        | 1.1414       | 23            |
| M Vijay         | 1.1366       | 86            |
| R Dhawan        | 1.1333       | 13            |
| Ankit Sharma    | 1.1282       | 5             |
| MK Tiwary       | 1.1270       | 33            |
| Y Venugopal ... | 1.1270       | 12            |
| CM Gautam       | 1.1267       | 14            |
| VH Zol          | 1.1154       | 3             |
| BB Samantray    | 1.1081       | 12            |
| VR Aaron        | 1.1081       | 3             |
| S Rana          | 1.1061       | 7             |
| R Dravid        | 1.1056       | 34            |
| J Botha         | 1.0882       | 11            |
| OA Shah         | 1.0870       | 2             |
| Iqbal Abdulla   | 1.0833       | 5             |
| MDKJ Perera     | 1.0769       | 2             |
| F Behardien     | 1.0769       | 3             |
| MS Bisla        | 1.0612       | 26            |
| R Ashwin        | 1.0549       | 16            |
| KB Arun Karthik | 1.0488       | 4             |

| Player_Name   | Average_Runs   | Total_Wickets  |
|---|--|--|
| DPMD Jayaw...<br>RR Rossouw<br>MJ Guptill<br>KS Williamson<br>Ishan Kishan<br>UBT Chand<br>JH Kallis<br>DB Das<br>S Badrinath<br>AD Mascaren...<br>J Theron<br>A Mithun<br>BB Sran<br>C Munro<br>YS Chahal<br>RG More<br>K Upadhyay<br>NM Coulter-Nile<br>LA Pomersbach<br>R Rampaul<br>CA Pujara<br>MA Starc<br>IK Pathan<br>B Kumar<br>MG Johnson | 1.0409<br>1.0392<br>1.0364<br>1.0333<br>1.0244<br>1.0234<br>1.0199<br>1.0135<br>1.0081<br>1.0000<br>1.0000<br>1.0000<br>1.0000<br>1.0000<br>1.0000<br>1.0000<br>1.0000<br>1.0000<br>0.9831<br>0.9808<br>0.9731<br>0.9697<br>0.9690<br>0.9658<br>0.9632 | 22<br>7<br>6<br>12<br>6<br>25<br>41<br>6<br>14<br>0<br>0<br>1<br>1<br>2<br>1<br>0<br>0<br>6<br>8<br>6<br>25<br>9<br>23<br>22<br>21 |

| Player_Name     | Average_Runs | Total_Wickets |
|-----------------|--------------|---------------|
| P Kumar         | 0.9570       | 15            |
| NJ Maddinson    | 0.9524       | 4             |
| MC Juneja       | 0.9328       | 9             |
| KW Richardson   | 0.9231       | 4             |
| JDS Neesham     | 0.9130       | 6             |
| A Mukund        | 0.9048       | 2             |
| AM Nayar        | 0.9008       | 15            |
| LRPL Taylor     | 0.8971       | 14            |
| TL Suman        | 0.8966       | 6             |
| B Chipli        | 0.8889       | 1             |
| GH Vihari       | 0.8861       | 34            |
| RE van der M... | 0.8800       | 3             |
| PA Reddy        | 0.8750       | 10            |
| KC Sangakkara   | 0.8696       | 19            |
| BMAJ Mendis     | 0.8519       | 3             |
| Parvez Rasool   | 0.8500       | 3             |
| R Shukla        | 0.8261       | 3             |
| S Kaul          | 0.8182       | 0             |
| TM Dilshan      | 0.8085       | 8             |
| A Mishra        | 0.7955       | 15            |
| SP Narine       | 0.7917       | 7             |
| Imran Tahir     | 0.7826       | 6             |
| DB Ravi Teja    | 0.7778       | 1             |
| WD Parnell      | 0.7778       | 3             |
| L Balaji        | 0.7692       | 5             |

| Player_Name   | Average_Runs | Total_Wickets |
|---------------|--------------|---------------|
| AL Menaria    | 0.5000       | 1             |
| M de Lange    | 0.5000       | 1             |
| VS Malik      | 0.5000       | 0             |
| PSP Handscomb | 0.5000       | 1             |
| UA Birla      | 0.5000       | 3             |
| SB Jakati     | 0.5000       | 0             |
| BAW Mendis    | 0.5000       | 1             |
| Mohammed S... | 0.4762       | 3             |
| M Rawat       | 0.4545       | 1             |
| PV Tambe      | 0.4500       | 4             |
| MN Samuels    | 0.4444       | 2             |
| B Laughlin    | 0.4444       | 2             |
| SK Trivedi    | 0.4286       | 2             |
| S Anirudha    | 0.4286       | 2             |
| S Nadeem      | 0.4138       | 9             |
| RJ Harris     | 0.4000       | 1             |
| DT Christian  | 0.3750       | 4             |
| JD Unadkat    | 0.3750       | 2             |
| PC Valthaty   | 0.3529       | 2             |
| SW Tait       | 0.3333       | 1             |
| AS Rajpoot    | 0.3333       | 0             |
| DJ Muthuswami | 0.3333       | 1             |
| BE Hendricks  | 0.3333       | 1             |
| S Sreesanth   | 0.2500       | 1             |
| A Nehra       | 0.1765       | 7             |

| Player_Name      | Average_Runs | Total_Wickets |
|------------------|--------------|---------------|
| J Syed Moha...   | 0.7692       | 3             |
| AB Agarkar       | 0.7500       | 1             |
| Harmeet Singh    | 0.7500       | 0             |
| CJ Jordan        | 0.7500       | 1             |
| AD Nath          | 0.7407       | 4             |
| NS Naik          | 0.7188       | 4             |
| Karanveer Si...  | 0.7059       | 2             |
| Z Khan           | 0.7000       | 4             |
| RT Ponting       | 0.6842       | 10            |
| LR Shukla        | 0.6667       | 6             |
| M Kartik         | 0.6667       | 1             |
| A Chandila       | 0.6667       | 0             |
| Sandeep Sha...   | 0.6552       | 3             |
| R Sharma         | 0.6471       | 3             |
| JJ Bumrah        | 0.6429       | 2             |
| P Dogra          | 0.6250       | 2             |
| J Yadav          | 0.6000       | 0             |
| SMSM Senan...    | 0.5882       | 3             |
| X Thalaivan S... | 0.5882       | 2             |
| Anureet Singh    | 0.5806       | 3             |
| AB Dinda         | 0.5417       | 5             |
| S Gopal          | 0.5185       | 4             |
| SL Malinga       | 0.5152       | 3             |
| PP Ojha          | 0.5000       | 2             |
| R McLaren        | 0.5000       | 3             |

| Player_Name     | Average_Runs | Total_Wickets |
|-----------------|--------------|---------------|
| P Awana         | 0.1111       | 3             |
| AB McDonald     | 0.0000       | 1             |
| IC Pandey       | 0.0000       | 2             |
| Swapnil Singh   | 0.0000       | 1             |
| PJ Cummins      | 0.0000       | 1             |
| S Aravind       | 0.0000       | 0             |
| M Ashwin        | 0.0000       | 2             |
| A Zampa         | 0.0000       | 2             |
| S Kaushik       | 0.0000       | 1             |
| WVS Laxman      | HULL         | 0             |
| JJ van der W... | HULL         | 0             |
| S Randiv        | HULL         | 0             |
| D Salunkhe      | HULL         | 0             |
| CK Langeveldt   | HULL         | 0             |
| MN van Wyk      | HULL         | 0             |
| DP Nannes       | HULL         | 0             |
| ND Doshi        | HULL         | 0             |
| SM Boland       | HULL         | 0             |
| SP Fleming      | HULL         | 0             |
| DR Martyn       | HULL         | 0             |
| CK Kapugedera   | HULL         | 0             |
| Mohammad A...   | HULL         | 0             |
| AA Jhunjhun...  | HULL         | 0             |
| S Ladda         | HULL         | 0             |
| Anirudh Singh   | HULL         | 0             |

| Player_Name      | Average_Runs | Total_Wickets |
|------------------|--------------|---------------|
| L Ablish         | HULL         | 0             |
| M Muralitharan   | HULL         | 0             |
| S Chanderpaul    | HULL         | 0             |
| PD Collingwood   | HULL         | 0             |
| BJ Haddin        | HULL         | 0             |
| RJ Peterson      | HULL         | 0             |
| CRD Fernando     | HULL         | 0             |
| RR Powar         | HULL         | 0             |
| TA Boult         | HULL         | 0             |
| RP Singh         | HULL         | 0             |
| C Nanda          | HULL         | 0             |
| A Uniyal         | HULL         | 0             |
| D Kalyankrishna  | HULL         | 0             |
| R Bishnoi        | HULL         | 0             |
| MJ Clarke        | HULL         | 0             |
| Mustafizur Ra... | HULL         | 0             |
| Mohammad Asif    | HULL         | 0             |
| WPUJC Vaas       | HULL         | 0             |
| HH Gibbs         | HULL         | 0             |
| FH Edwards       | HULL         | 0             |
| MM Patel         | HULL         | 0             |
| MD Mishra        | HULL         | 0             |
| JE Taylor        | HULL         | 0             |
| M Nitini         | HULL         | 0             |
| JD Ryder         | HULL         | 0             |
| IR Jaggi         | HULL         | 0             |
| AA Noffke        | HULL         | 0             |
| T Taibu          | HULL         | 0             |
| AP Dole          | HULL         | 0             |
| P Dharmani       | HULL         | 0             |
| SD Chitnis       | HULL         | 0             |
| KAJ Roach        | HULL         | 0             |
| DT Patil         | HULL         | 0             |
| JW Hastings      | HULL         | 0             |
| A Chopra         | HULL         | 0             |
| AM Salvi         | HULL         | 0             |
| RR Bose          | HULL         | 0             |
| V Shankar        | HULL         | 0             |
| RJ Quiney        | HULL         | 0             |
| SE Bond          | HULL         | 0             |
| DL Vettori       | HULL         | 0             |
| S Sohal          | HULL         | 0             |
| TR Birt          | HULL         | 0             |
| P Amarnath       | HULL         | 0             |
| A Nel            | HULL         | 0             |
| BW Hilfenhaus    | HULL         | 0             |
| MV Boucher       | HULL         | 0             |
| BA Bhatt         | HULL         | 0             |
| T Mishra         | HULL         | 0             |
| Gagandeep Si...  | HULL         | 0             |

| Player_Name    | Average_Runs | Total_Wickets |
|----------------|--------------|---------------|
| JR Hopes       | HULL         | 0             |
| CA Ingram      | HULL         | 0             |
| Y Gnaneswar... | HULL         | 0             |
| A Kumble       | HULL         | 0             |
| Kamran Khan    | HULL         | 0             |
| MF Maharoof    | HULL         | 0             |
| GD McGrath     | HULL         | 0             |
| SB Bangar      | HULL         | 0             |
| RE Levi        | HULL         | 0             |
| Misbah-ul-Haq  | HULL         | 0             |
| Kuldeep Yadav  | HULL         | 0             |
| GR Napier      | HULL         | 0             |
| T Thushara     | HULL         | 0             |
| SS Shaikh      | HULL         | 0             |
| CJ Ferguson    | HULL         | 0             |
| K Santokie     | HULL         | 0             |
| S Badree       | HULL         | 0             |
| DP Vijaykumar  | HULL         | 0             |
| B Akhil        | HULL         | 0             |
| AC Blizzard    | HULL         | 0             |
| JDP Oram       | HULL         | 0             |
| Harpreet Singh | HULL         | 0             |
| SS Mundhe      | HULL         | 0             |
| ST Jayasuriya  | HULL         | 0             |
| YA Abdulla     | HULL         | 0             |
| AB Barath      | HULL         | 0             |
| SB Wagh        | HULL         | 0             |
| JEC Franklin   | HULL         | 0             |
| AA Kazi        | HULL         | 0             |
| TP Sudhindra   | HULL         | 0             |
| Abdur Razzak   | HULL         | 0             |
| S Vidyut       | HULL         | 0             |
| Younis Khan    | HULL         | 0             |
| SA Asnodkar    | HULL         | 0             |
| Sohail Tanvir  | HULL         | 0             |
| P Suyal        | HULL         | 0             |
| Yashpal Singh  | HULL         | 0             |
| RV Pawar       | HULL         | 0             |
| ML Hayden      | HULL         | 0             |
| AUK Pathan     | HULL         | 0             |
| S Tyagi        | HULL         | 0             |
| DNT Zoysa      | HULL         | 0             |
| T Shamsi       | HULL         | 0             |
| U Kaul         | HULL         | 0             |
| K Goel         | HULL         | 0             |
| Shahid Afridi  | HULL         | 0             |
| RA Shaikh      | HULL         | 0             |
| T Henderson    | HULL         | 0             |
| Mohammad H...  | HULL         | 0             |
| Sunny Gupta    | HULL         | 0             |

| Player_Name | Average_Runs | Total_Wickets |
|-------------|--------------|---------------|
| B Geeves    | HULL         | 0             |
| SM Katich   | HULL         | 0             |
| Umar Gul    | HULL         | 0             |
| AA Bilakhia | HULL         | 0             |
| MJ Lumb     | HULL         | 0             |
| RR Raje     | HULL         | 0             |
| AS Raut     | HULL         | 0             |
| RS Sodhi    | HULL         | 0             |
| AG Paunikar | HULL         | 0             |
| N Saini     | HULL         | 0             |
| SS Sarkar   | HULL         | 0             |
| GS Sandhu   | HULL         | 0             |
| Sunny Singh | HULL         | 0             |
| SB Joshi    | HULL         | 0             |
| I Sharma    | HULL         | 0             |
| M Kaif      | HULL         | 0             |
| A Symonds   | HULL         | 0             |
| SB Styris   | HULL         | 0             |
| NK Patel    | HULL         | 0             |
| LPC Silva   | HULL         | 0             |
| KP Appanna  | HULL         | 0             |
| FY Fazal    | HULL         | 0             |
| M Klinger   | HULL         | 0             |
| DL Chahar   | HULL         | 0             |
| SP Goswami  | HULL         | 0             |
| -           | HULL         | 0             |

| Player_Name      | Average_Runs | Total_Wickets |
|------------------|--------------|---------------|
| TD Paine         | HULL         | 0             |
| V Pratap Singh   | HULL         | 0             |
| T Kohli          | HULL         | 0             |
| Joginder Shar... | HULL         | 0             |
| H Das            | HULL         | 0             |
| VS Yelagati      | HULL         | 0             |
| C Madan          | HULL         | 0             |
| Jaskaran Singh   | HULL         | 0             |
| R Ninan          | HULL         | 0             |
| Kamran Akmal     | HULL         | 0             |
| AN Ghosh         | HULL         | 0             |
| PM Sarvesh K...  | HULL         | 0             |
| A Flintoff       | HULL         | 0             |
| P Prasanth       | HULL         | 0             |
| Shoaib Malik     | HULL         | 0             |
| MB Parmar        | HULL         | 0             |
| TM Srivastava    | HULL         | 0             |
| Salman Butt      | HULL         | 0             |
| JM Kemp          | HULL         | 0             |
| Y Nagar          | HULL         | 0             |
| AF Milne         | HULL         | 0             |
| PR Shah          | HULL         | 0             |
| RS Gavaskar      | HULL         | 0             |
| CJ McKay         | HULL         | 0             |
| KH Devdhar       | HULL         | 0             |

| Player_Name     | Average_Runs | Total_Wickets |
|-----------------|--------------|---------------|
| DE Bollinger    | HULL         | 0             |
| DJ Harris       | HULL         | 0             |
| VY Mahesh       | HULL         | 0             |
| B Sumanth       | HULL         | 0             |
| MS Wade         | HULL         | 0             |
| GC Smith        | HULL         | 0             |
| DS Lehmann      | HULL         | 0             |
| MG Neser        | HULL         | 0             |
| J Arunkumar     | HULL         | 0             |
| NL McCullum     | HULL         | 0             |
| P Parameswa...  | HULL         | 0             |
| RR Bhatkal      | HULL         | 0             |
| Anand Rajan     | HULL         | 0             |
| SM Harwood      | HULL         | 0             |
| Pankaj Singh    | HULL         | 0             |
| LA Carseldine   | HULL         | 0             |
| D du Preez      | HULL         | 0             |
| SC Ganguly      | HULL         | 0             |
| WA Mota         | HULL         | 0             |
| RR Sarwan       | HULL         | 0             |
| L Ronchi        | HULL         | 0             |
| Shoaib Akhtar   | HULL         | 0             |
| Mashrafe Mor... | HULL         | 0             |
| I Malhotra      | HULL         | 0             |
| MA Khote        | HULL         | 0             |

| Player_Name    | Average_Runs | Total_Wickets |
|----------------|--------------|---------------|
| DJ Thornely    | HULL         | 0             |
| AC Thomas      | HULL         | 0             |
| KMDN Kulase... | HULL         | 0             |
| S Sriram       | HULL         | 0             |
| Shoaib Ahmed   | HULL         | 0             |
| A Singh        | HULL         | 0             |
| DAJ Bracewell  | HULL         | 0             |
| C Ganapathy    | HULL         | 0             |
| AA Chavan      | HULL         | 0             |
| SK Warne       | HULL         | 0             |
| NJ Rimmington  | HULL         | 0             |
| AP Majumdar    | HULL         | 0             |
| W Jaffer       | HULL         | 0             |
| SM Pollock     | HULL         | 0             |
| VRV Singh      | HULL         | 0             |
| AC Voges       | HULL         | 0             |
| SJ Srivastava  | HULL         | 0             |
| DJ Jacobs      | HULL         | 0             |
| RW Price       | HULL         | 0             |

## Approach

To provide RCB (Royal Challengers Bangalore) with strategic recommendations before the mega auction, we can analyze three key areas: venue performance, player roles, and individual performance metrics. Here's a breakdown of the approach:

- Analyze Venue Performance:** The first query evaluates RCB's performance at different venues by calculating the win percentage. This helps identify which venues are favorable for the team and where they struggle.
- Identify Key Player Roles:** The second query assesses the distribution of player roles within the team. Understanding the number of players in each role can help RCB identify gaps in their squad and areas that need strengthening.
- Analyze Performance Metrics:** The third query provides insights into individual player performance by calculating average runs scored and total wickets taken. This helps identify key performers and potential targets for the auction.

## Insights

### 1. Venue Performance:

- The win percentage at various venues will highlight where RCB has historically performed well and where they need to improve. This can inform decisions on player selection based on venue-specific strengths and weaknesses.

### 2. Key Player Roles:

- Understanding the distribution of player roles will help RCB identify if they have a balanced squad. If certain roles

are underrepresented, they can target those positions during the auction.

### **3. Performance Metrics:**

- Analyzing individual player performance metrics will help RCB identify high-performing players who could be valuable additions to the team. This can also highlight players who may not be performing up to expectations and could be considered for release or trade.

## **Recommendations**

### **1. Target Venue-Specific Players:**

- Based on the venue performance analysis, RCB should consider targeting players who have a proven track record of performing well at specific venues where RCB struggles. This can enhance their chances of winning matches in those locations.

### **2. Balance the Squad:**

- Ensure that the squad has a balanced mix of roles (batsmen, bowlers, all-rounders). If certain roles are lacking, RCB should prioritize acquiring players who can fill those gaps during the auction.

### **3. Focus on High Performers:**

- Identify and target players with high average runs and total wickets. These players can significantly contribute to the team's success and should be prioritized in the auction.

### **4. Consider Team Dynamics:**

- Beyond individual performance metrics, consider the team dynamics and how new players will fit into the existing squad. Look for players who not only perform well individually but also have a positive influence on team morale.

## 5. Utilize Data Analytics:

- Continue to leverage data analytics to inform decision-making processes. This can include analyzing player performance trends, injury history, and other factors that may impact player selection.

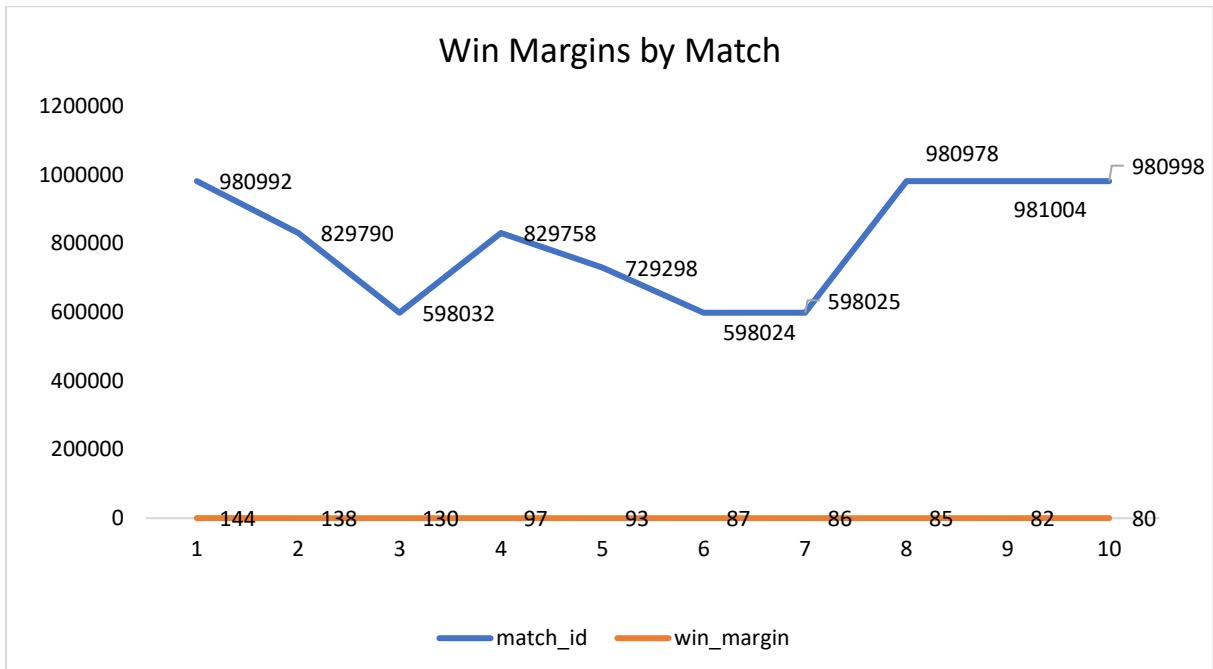
7. What do you think could be the factors contributing to the high-scoring matches and the impact on viewership and team strategies

Ans-- Identify High-Scoring Matches

```
select m.Match_Id, t1.Team_Name as Team_1, t2.Team_Name
as Team_2, m.Match_Date, m.Win_Margin, m.Match_Winner
from Matches m
join Team t1 on m.Team_1 = t1.Team_Id
join Team t2 on m.Team_2 = t2.Team_Id
where m.Win_Margin is not null
order by m.Win_Margin desc
limit 10;
```

## OUTPUT-

| Match_Id | Team_1                      | Team_2              | Match_Date          | Win_Margin | Match_Winner |
|----------|-----------------------------|---------------------|---------------------|------------|--------------|
| 980992   | Royal Challengers Bangalore | Gujarat Lions       | 2016-05-14 00:00:00 | 144        | 2            |
| 829790   | Royal Challengers Bangalore | Kings XI Punjab     | 2015-05-06 00:00:00 | 138        | 2            |
| 598032   | Royal Challengers Bangalore | Pune Warriors       | 2013-04-23 00:00:00 | 130        | 2            |
| 829758   | Chennai Super Kings         | Kings XI Punjab     | 2015-04-25 00:00:00 | 97         | 3            |
| 729298   | Chennai Super Kings         | Delhi Daredevils    | 2014-04-21 00:00:00 | 93         | 3            |
| 598024   | Rajasthan Royals            | Mumbai Indians      | 2013-04-17 00:00:00 | 87         | 5            |
| 598025   | Delhi Daredevils            | Chennai Super Kings | 2013-04-18 00:00:00 | 86         | 3            |
| 980978   | Mumbai Indians              | Sunrisers Hyderabad | 2016-05-08 00:00:00 | 85         | 11           |
| 981004   | Royal Challengers Bangalore | Kings XI Punjab     | 2016-05-18 00:00:00 | 82         | 2            |
| 980998   | Mumbai Indians              | Delhi Daredevils    | 2016-05-15 00:00:00 | 80         | 7            |



-- Analyze Player Contributions in High-Scoring Matches

```
select p.Player_Id, p.Player_Name, count(pm.Match_Id) as
Matches_Played,
sum(case when m.Match_Winner = pm.Team_Id then 1 else 0
end) as Wins, avg(b.Runs_Scored) as Average_Runs
```

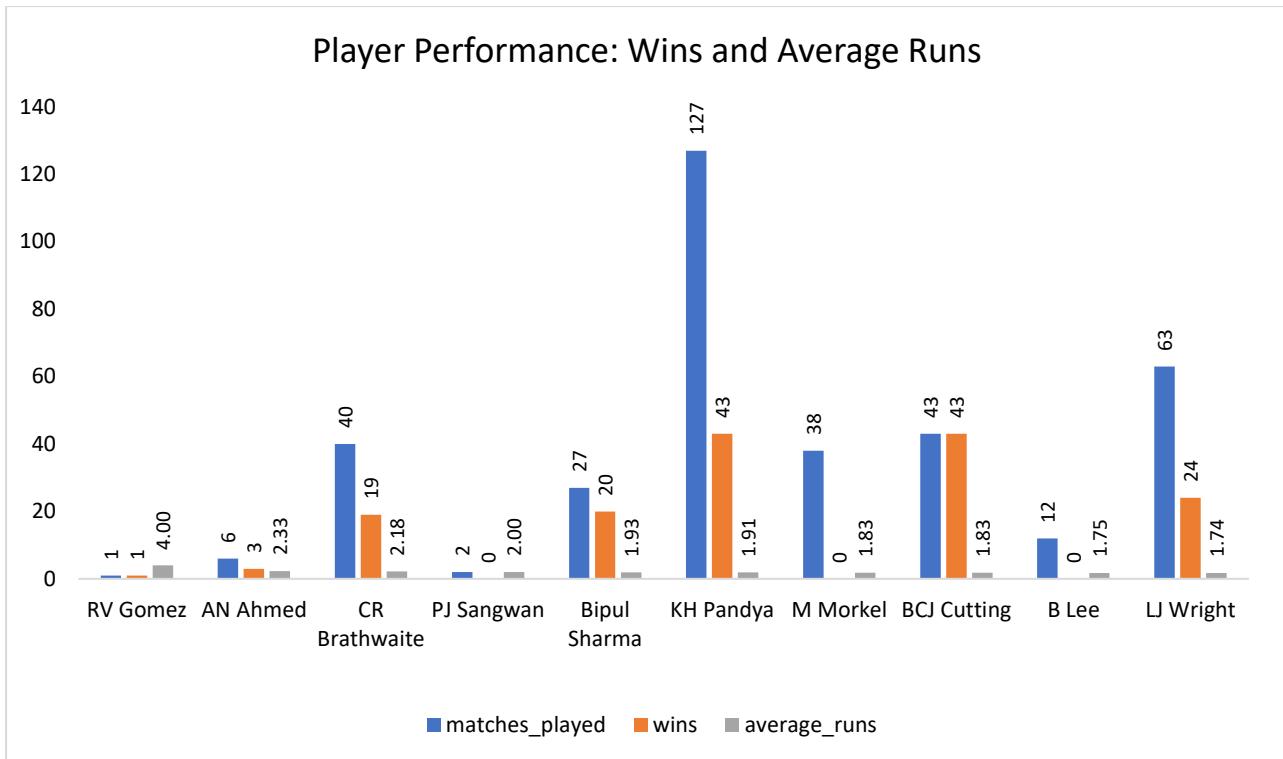
```

from Player p
join Player_Match pm on p.Player_Id = pm.Player_Id
join Matches m on pm.Match_Id = m.Match_Id
join Ball_by_Ball b on pm.Match_Id = b.Match_Id and
pm.Player_Id = b.Striker
where m.Win_Margin is not null -- Only consider matches with
a win margin
group by p.Player_Id, p.Player_Name
order by Average_Runs desc
limit 10;

```

#### OUTPUT-

| Player_Id | Player_Name   | Matches_Played | Wins | Average_Runs |
|-----------|---------------|----------------|------|--------------|
| 259       | RV Gomez      | 1              | 1    | 4.0000       |
| 246       | AN Ahmed      | 6              | 3    | 2.3333       |
| 408       | CR Brathwaite | 40             | 19   | 2.1842       |
| 116       | PJ Sangwan    | 2              | 0    | 2.0000       |
| 228       | Bipul Sharma  | 27             | 20   | 1.9259       |
| 413       | KH Pandya     | 127            | 43   | 1.9113       |
| 190       | M Morkel      | 38             | 0    | 1.8333       |
| 385       | BCJ Cutting   | 43             | 43   | 1.8250       |
| 66        | B Lee         | 12             | 0    | 1.7500       |
| 358       | LJ Wright     | 63             | 24   | 1.7377       |



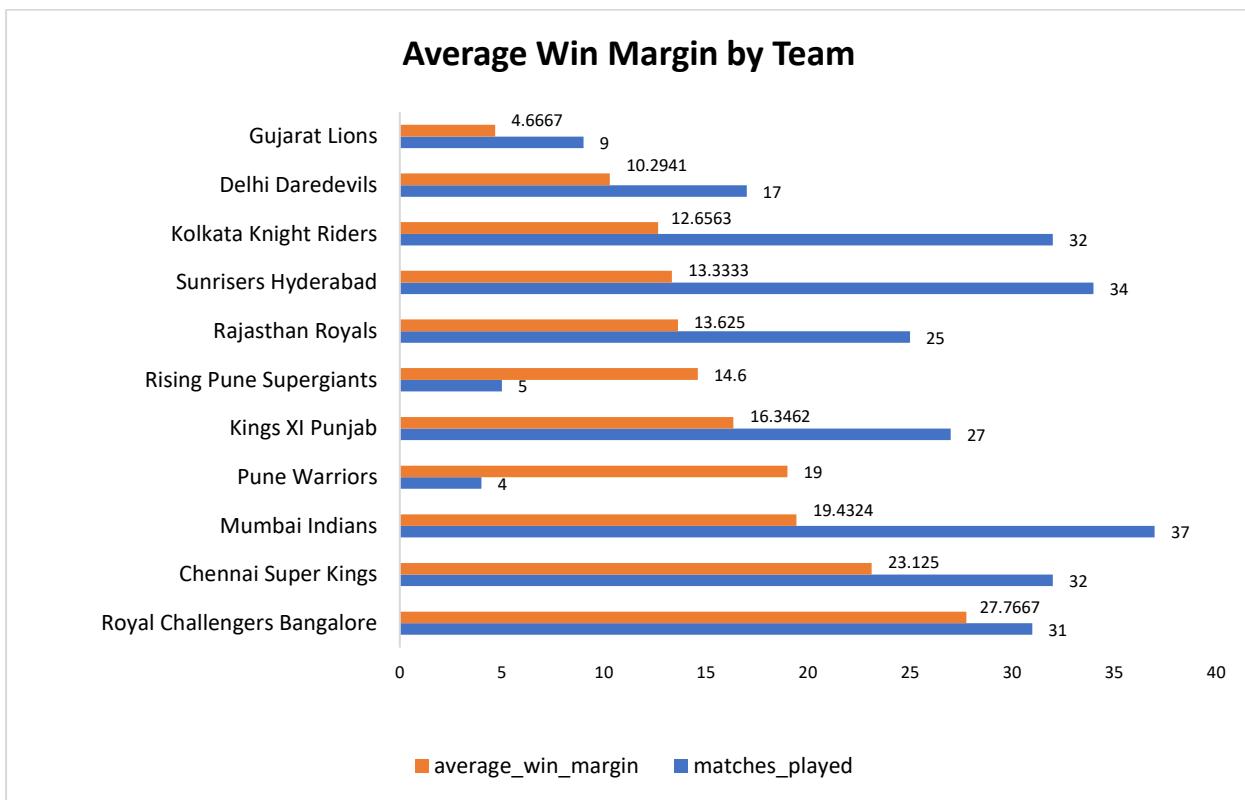
-- Identify Teams with High Win Margins

```

select t.Team_Name, count(m.Match_Id) as Matches_Played,
avg(m.Win_Margin) as Average_Win_Margin
from Matches m
join Team t on m.Match_Winner = t.Team_Id
group by t.Team_Name
order by Average_Win_Margin desc;
    
```

OUTPUT-

| Team_Name                   | Matches_Played | Average_Win_Margin |
|-----------------------------|----------------|--------------------|
| Royal Challengers Bangalore | 31             | 27.7667            |
| Chennai Super Kings         | 32             | 23.1250            |
| Mumbai Indians              | 37             | 19.4324            |
| Pune Warriors               | 4              | 19.0000            |
| Kings XI Punjab             | 27             | 16.3462            |
| Rising Pune Supergiants     | 5              | 14.6000            |
| Rajasthan Royals            | 25             | 13.6250            |
| Sunrisers Hyderabad         | 34             | 13.3333            |
| Kolkata Knight Riders       | 32             | 12.6563            |
| Delhi Daredevils            | 17             | 10.2941            |
| Gujarat Lions               | 9              | 4.6667             |



## Approach

- Identify High-Scoring Matches:** Analyze matches with significant win margins to understand the conditions and factors contributing to high scores.
- Analyze Player Contributions:** Evaluate individual player performances in high-scoring matches to identify key contributors to team success.

**3. Identify Teams with High Win Margins:** Assess teams that consistently achieve high win margins to understand effective strategies and tactics.

## Insights

### 1. Factors Contributing to High Scores:

- Offensive strategies, player performance, and favorable match conditions lead to higher scoring.
- Teams with strong chemistry and effective communication create more scoring opportunities.

### 2. Impact on Viewership:

- High-scoring matches attract larger audiences, leading to increased engagement and media coverage.
- Higher viewership translates to more sponsorship and revenue opportunities.

### 3. Team Strategies:

- Teams may adopt more aggressive playstyles and focus on recruiting versatile, high-performing players.
- Training regimens may emphasize attacking drills and set pieces to enhance scoring capabilities.

## Recommendations

- 1. Target Offensive Players:** Focus on recruiting players with a proven track record of scoring in high-pressure situations.
- 2. Study Successful Teams:** Analyze strategies of teams with high win margins to identify effective tactics that can be adopted.

3. **Enhance Fan Engagement:** Promote high-scoring matches through marketing campaigns to attract more viewers and increase revenue.
  4. **Leverage Data Analytics:** Utilize data analytics to inform decision-making processes regarding player selection, match strategies, and training regimens.
- 
8. Analyze the impact of home-ground advantage on team performance and identify strategies to maximize this advantage for RCB.

Ans-- Analyze Home-Ground Performance

```
select m.Venue_Id, v.Venue_Name, count(m.Match_Id) as Total_Matches,  
      sum(case when m.Match_Winner = r.Team_Id then 1 else 0  
            end) as Wins,  
      sum(case when m.Match_Winner != r.Team_Id then 1 else 0  
            end) as Losses,  
      (sum(case when m.Match_Winner = r.Team_Id then 1 else 0  
            end) * 100.0 / COUNT(m.Match_Id)) as Win_Percentage  
from Matches m
```

```

join Venue v on m.Venue_Id = v.Venue_Id
join Team r on m.Team_1 = r.Team_Id or m.Team_2 = r.Team_Id
where r.Team_Name = 'Royal Challengers Bangalore'
group by m.Venue_Id, v.Venue_Name
order by Win_Percentage desc;

```

## OUTPUT-

| Venue_Id | Venue_Name   | Total_Matches | Wins | Losses | Win_Percentage |
|----------|--|---------------|------|--------|----------------|
| 26       | Subrata Roy Sahara Stadium                         | 1             | 1    | 0      | 100.00000      |
| 3        | Feroz Shah Kotla                                   | 2             | 2    | 0      | 100.00000      |
| 19       | Sardar Patel Stadium Motera                        | 1             | 1    | 0      | 100.00000      |
| 32       | Maharashtra Cricket Association Stadium            | 2             | 2    | 0      | 100.00000      |
| 33       | Punjab Cricket Association IS Bindra Stadium Mo... | 1             | 1    | 0      | 100.00000      |
| 27       | Shaheed Veer Narayan Singh International Stad...   | 1             | 1    | 0      | 100.00000      |
| 5        | Eden Gardens                                       | 3             | 2    | 1      | 66.66667       |
| 1        | M Chinnaswamy Stadium                              | 29            | 16   | 11     | 55.17241       |
| 30       | Sharjah Cricket Stadium                            | 2             | 1    | 1      | 50.00000       |
| 31       | Dubai International Cricket Stadium                | 2             | 1    | 1      | 50.00000       |
| 28       | JSCA International Stadium Complex                 | 3             | 1    | 2      | 33.33333       |
| 7        | Rajiv Gandhi International Stadium Uppal           | 4             | 1    | 3      | 25.00000       |
| 4        | Wankhede Stadium                                   | 4             | 1    | 3      | 25.00000       |
| 8        | MA Chidambaram Stadium Chepauk                     | 2             | 0    | 2      | 0.00000        |
| 6        | Sawai Mansingh Stadium                             | 1             | 0    | 1      | 0.00000        |
| 2        | Punjab Cricket Association Stadium Mohali          | 2             | 0    | 2      | 0.00000        |
| 29       | Sheikh Zayed Stadium                               | 1             | 0    | 1      | 0.00000        |
| 34       | Saurashtra Cricket Association Stadium             | 1             | 0    | 1      | 0.00000        |

- Insight:** This analysis reveals RCB's win percentage at home venues, highlighting strengths and weaknesses in home-ground performance.
- Recommendation:** Focus on improving strategies at venues with lower win percentages to enhance overall home performance.

```

-- Monitor and Evaluate Performance

select s.Season_Year, count(m.Match_Id) as
Total_Home_Matches,
    sum(case when m.Match_Winner = r.Team_Id then 1 else 0
end) as Wins,
    (sum(case when m.Match_Winner = r.Team_Id then 1 else 0
end) * 100.0 / count(m.Match_Id)) as Win_Percentage
from Matches m
join Team r on (m.Team_1 = r.Team_Id or m.Team_2 = r.Team_Id)
join Season s on m.Season_Id = s.Season_Id
where r.Team_Name = 'Royal Challengers Bangalore'
and m.Venue_Id = (select Venue_Id from Venue where
Venue_Name = 'M Chinnaswamy Stadium')
group by s.Season_Year
order by s.Season_Year;

```

## OUTPUT-

| Season_Year | Total_Home_Matches | Wins | Win_Percentage |
|-------------|--------------------|------|----------------|
| 2013        | 8                  | 7    | 87.50000       |
| 2014        | 5                  | 2    | 40.00000       |
| 2015        | 7                  | 2    | 28.57143       |
| 2016        | 9                  | 5    | 55.55556       |

## Approach

### 1. Analyze Home-Ground Performance:

- The first query evaluates RCB's performance at home (M Chinnaswamy Stadium) by calculating total matches

played, wins, losses, and win percentage. This helps identify how well RCB performs in familiar conditions.

## **2. Monitor and Evaluate Performance Over Seasons:**

- The second query tracks RCB's home match performance over different seasons, providing insights into trends and consistency in winning at home.

## **Insights**

### **1. Home-Ground Advantage:**

- The analysis will reveal RCB's win percentage at home compared to away matches, highlighting the significance of playing in familiar conditions.
- Identifying specific venues where RCB excels can inform strategies for maximizing home-ground advantage.

### **2. Trends Over Seasons:**

- Monitoring performance over seasons can indicate whether RCB is improving, declining, or maintaining consistency at home.
- Understanding seasonal trends can help in making strategic adjustments for future matches.

## **Recommendations**

### **1. Maximize Home-Ground Advantage:**

- Familiarization with Conditions: Ensure players are well-acquainted with pitch conditions, weather patterns, and other local factors that can influence performance.

- Fan Engagement: Leverage the home crowd's support by creating an engaging atmosphere at matches, which can boost player morale and performance.

## **2. Tailored Training Sessions:**

- Conduct training sessions at the home ground to simulate match conditions, allowing players to adapt and strategize effectively.

## **3. Analyze Opponent Strategies:**

- Study opponents' past performances at the home ground to identify weaknesses and develop targeted strategies to exploit them.

## **4. Utilize Local Talent:**

- Consider recruiting local players who are familiar with the home ground and can provide insights into its nuances.

## **5. Continuous Performance Monitoring:**

- Regularly evaluate home performance metrics to identify areas for improvement and adjust strategies accordingly.

By implementing these strategies, RCB can enhance their home-ground advantage, leading to improved performance and increased chances of success in matches played at M Chinnaswamy Stadium.

9. Come up with a visual and analytical analysis of the RCB's past season's performance and potential reasons for them not winning a trophy.

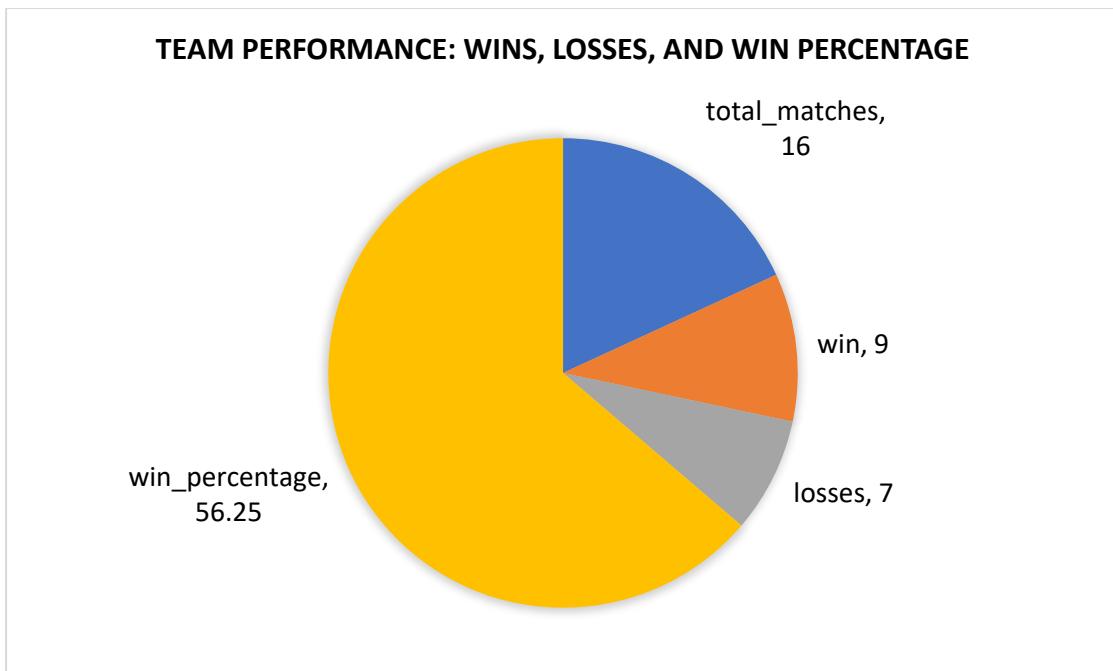
Ans- Come up with a visual and analytical analysis of the RCB's past season's performance and potential reasons for them not winning a trophy.

-- Analyze Overall Performance:

```
select count(m.Match_Id) as Total_Matches, sum(case when  
m.Match_Winner = r.Team_Id then 1 else 0 end) as Wins,  
sum(case when m.Match_Winner != r.Team_Id then 1 else 0  
end) as Losses,  
(sum(case when m.Match_Winner = r.Team_Id then 1 else 0  
end) * 100.0 / count(m.Match_Id)) as Win_Percentage  
from Matches m  
join Team r on (m.Team_1 = r.Team_Id or m.Team_2 = r.Team_Id)  
where r.Team_Name = 'Royal Challengers Bangalore' and  
m.Season_Id = (select max(Season_Id) from Season);
```

OUTPUT-

| Total_Matches | Wins | Losses | Win_Percentage |
|---------------|------|--------|----------------|
| 16            | 9    | 7      | 56.25000       |



-- Analyze Performance by Venue:

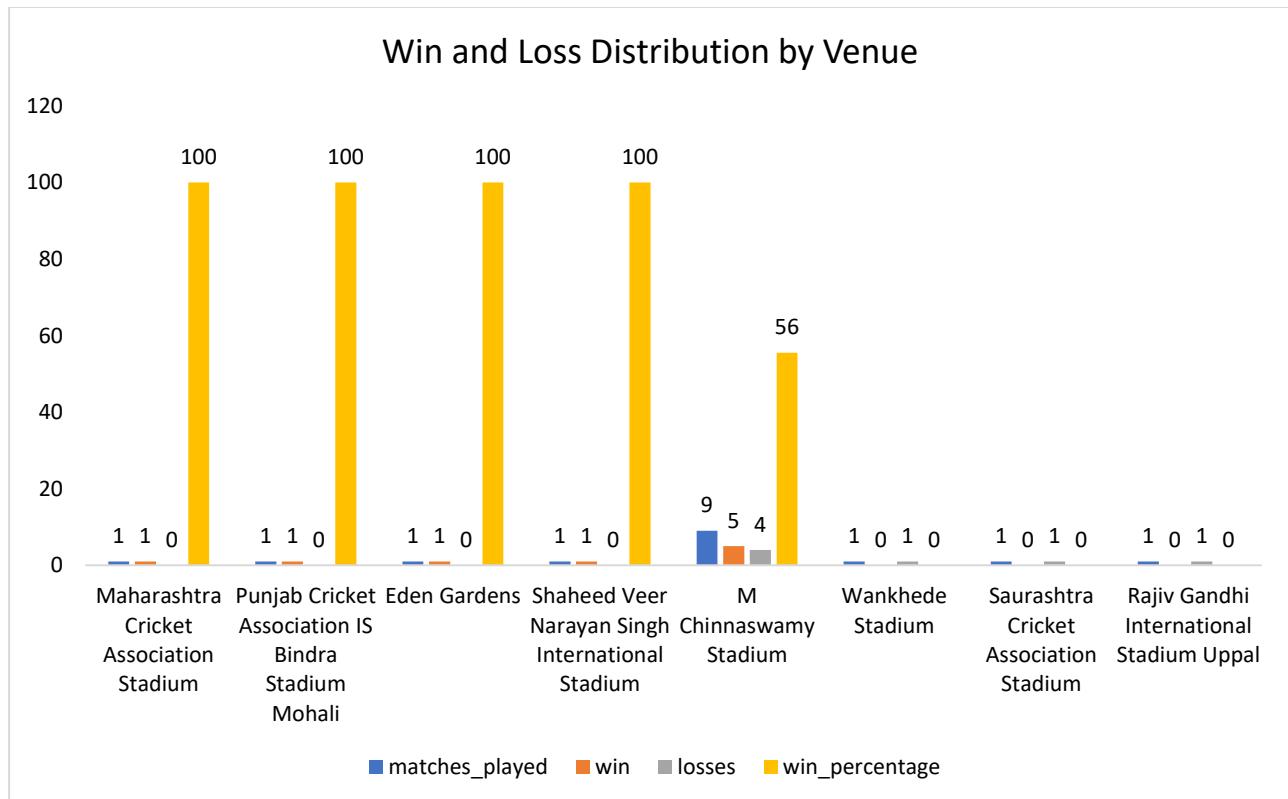
```

select v.Venue_Name, count(m.Match_Id) AS Total_Matches,
sum(case when m.Match_Winner = r.Team_Id then 1 else 0
end) as Wins,
sum(case when m.Match_Winner != r.Team_Id then 1 else 0
end) as Losses,
(sum(case when m.Match_Winner = r.Team_Id then 1 else 0
end) * 100.0 / count(m.Match_Id)) as Win_Percentage
from Matches m
join Venue v on m.Venue_Id = v.Venue_Id
join Team r on (m.Team_1 = r.Team_Id or m.Team_2 = r.Team_Id)
where r.Team_Name = 'Royal Challengers Bangalore' and
m.Season_Id = (select max(Season_Id) from Season)
group by v.Venue_Name
    
```

order by Win\_Percentage desc;

## OUTPUT-

| Venue_Name  | Total_Matches | Wins | Losses | Win_Percentage |
|---|---------------|------|--------|----------------|
| Maharashtra Cricket Association Stadium             | 1             | 1    | 0      | 100.00000      |
| Punjab Cricket Association IS Bindra Stadium Mohali | 1             | 1    | 0      | 100.00000      |
| Eden Gardens  | 1             | 1    | 0      | 100.00000      |
| Shaheed Veer Narayan Singh International Stadium    | 1             | 1    | 0      | 100.00000      |
| M Chinnaswamy Stadium                               | 9             | 5    | 4      | 55.55556       |
| Wankhede Stadium                                    | 1             | 0    | 1      | 0.00000        |
| Saurashtra Cricket Association Stadium              | 1             | 0    | 1      | 0.00000        |
| Rajiv Gandhi International Stadium Uppal            | 1             | 0    | 1      | 0.00000        |



-- Analyze Key Player Contributions:

```
select p.Player_Name, count(pm.Match_Id) as Matches_Played,
sum(case when m.Match_Winner = r.Team_Id then 1 else 0
end) as Wins,
avg(b.Runs_Scored) as Average_Runs, count(distinct
m.Man_of_the_Match) as Man_of_the_Match_Awards
from Player p
join Player_Match pm ON p.Player_Id = pm.Player_Id
join Matches m on pm.Match_Id = m.Match_Id
join Ball_by_Ball b on pm.Match_Id = b.Match_Id and
pm.Player_Id = b.Striker
join Team r on (m.Team_1 = r.Team_Id or m.Team_2 = r.Team_Id)
where r.Team_Name = 'Royal Challengers Bangalore' and
m.Season_Id = (select max(Season_Id) from Season)
group by p.Player_Id, p.Player_Name
order by Average_Runs desc;
```

OUTPUT-

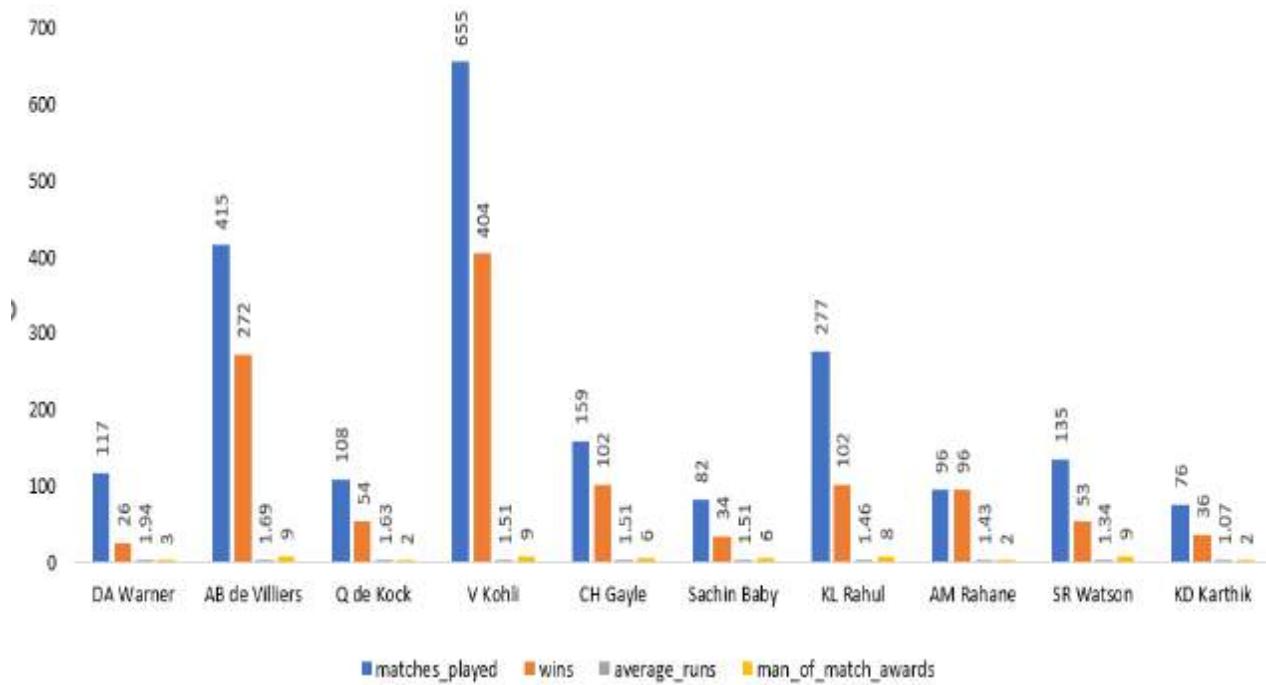
| Player_Name     | Matches_Played | Wins | Average_Runs | Man_of_the_Match_Awards |
|-----------------|----------------|------|--------------|-------------------------|
| UT Khawaja      | 6              | 6    | 2.6667       | 1                       |
| BCJ Cutting     | 18             | 0    | 2.6000       | 1                       |
| NLTC Perera     | 23             | 23   | 2.2857       | 2                       |
| JC Buttler      | 26             | 0    | 2.2800       | 2                       |
| SN Khan         | 31             | 11   | 2.1290       | 3                       |
| ER Dwivedi      | 9              | 9    | 2.1111       | 1                       |
| R Bhatia        | 15             | 15   | 2.0000       | 2                       |
| KA Pollard      | 43             | 0    | 1.9737       | 2                       |
| DA Warner       | 117            | 26   | 1.9381       | 3                       |
| AD Russell      | 47             | 20   | 1.8140       | 2                       |
| WP Saha         | 23             | 23   | 1.7391       | 2                       |
| DS Kulkarni     | 7              | 7    | 1.7143       | 1                       |
| AB de Villiers  | 415            | 272  | 1.6880       | 9                       |
| R Ashwin        | 6              | 6    | 1.6667       | 2                       |
| Bipul Sharma    | 3              | 0    | 1.6667       | 1                       |
| Yuvraj Singh    | 24             | 0    | 1.6522       | 1                       |
| DR Smith        | 69             | 47   | 1.6471       | 2                       |
| Shakib Al Ha... | 12             | 12   | 1.6364       | 1                       |
| Q de Kock       | 108            | 54   | 1.6311       | 2                       |
| A Ashish Re...  | 21             | 18   | 1.6190       | 2                       |
| STR Binny       | 41             | 28   | 1.6154       | 5                       |
| M Vijay         | 67             | 67   | 1.6154       | 2                       |
| YK Pathan       | 42             | 12   | 1.6098       | 2                       |
| MP Stoinis      | 22             | 22   | 1.5455       | 1                       |
| KV Sharma       | 18             | 18   | 1.5294       | 1                       |

| Player_Name   | Matches_Played | Wins | Average_Runs | Man_of_the_Match_Awards |
|---------------|----------------|------|--------------|-------------------------|
| V Kohli       | 655            | 404  | 1.5141       | 9                       |
| CH Gayle      | 159            | 102  | 1.5133       | 6                       |
| Sachin Baby   | 82             | 34   | 1.5063       | 6                       |
| CH Morris     | 19             | 19   | 1.5000       | 1                       |
| KC Cariappa   | 8              | 8    | 1.5000       | 1                       |
| SA Yadav      | 10             | 5    | 1.5000       | 2                       |
| KL Rahul      | 277            | 102  | 1.4649       | 8                       |
| DJ Bravo      | 10             | 9    | 1.4444       | 2                       |
| AR Patel      | 12             | 12   | 1.4444       | 1                       |
| AM Rahane     | 96             | 96   | 1.4255       | 2                       |
| JP Duminy     | 5              | 0    | 1.4000       | 1                       |
| G Gambhir     | 67             | 34   | 1.3968       | 2                       |
| Iqbal Abdulla | 27             | 25   | 1.3704       | 2                       |
| TM Head       | 42             | 17   | 1.3500       | 3                       |
| SR Watson     | 135            | 53   | 1.3358       | 9                       |
| SS Tiwary     | 43             | 43   | 1.3333       | 1                       |
| SPD Smith     | 4              | 4    | 1.3333       | 1                       |
| BB McCullum   | 42             | 17   | 1.3171       | 2                       |
| KS Williamson | 38             | 0    | 1.3158       | 1                       |
| KM Jadhav     | 33             | 6    | 1.3125       | 3                       |
| MC Henriques  | 43             | 24   | 1.2857       | 3                       |
| RG Sharma     | 70             | 0    | 1.2794       | 2                       |
| CA Lynn       | 13             | 0    | 1.2500       | 1                       |
| D Wiese       | 4              | 0    | 1.2500       | 1                       |
| KK Nair       | 54             | 10   | 1.2500       | 2                       |

| Player_Name     | Matches_Played | Wins | Average_Runs | Man_of_the_Match_Awards |
|-----------------|----------------|------|--------------|-------------------------|
| MK Pandey       | 50             | 38   | 1.2340       | 2                       |
| EJG Morgan      | 18             | 18   | 1.2222       | 1                       |
| MM Sharma       | 12             | 12   | 1.1667       | 1                       |
| HM Amla         | 26             | 26   | 1.1538       | 2                       |
| F Behardien     | 8              | 8    | 1.1250       | 2                       |
| Parvez Rasool   | 9              | 0    | 1.1111       | 1                       |
| MS Dhoni        | 49             | 49   | 1.0870       | 2                       |
| AT Rayudu       | 72             | 0    | 1.0714       | 2                       |
| KD Karthik      | 76             | 36   | 1.0685       | 2                       |
| S Dhawan        | 46             | 9    | 1.0444       | 3                       |
| Sandeep Sh...   | 5              | 5    | 1.0000       | 1                       |
| Ankit Sharma    | 3              | 3    | 1.0000       | 1                       |
| B Kumar         | 1              | 0    | 1.0000       | 1                       |
| RA Jadeja       | 39             | 28   | 1.0000       | 2                       |
| Gurkeerat Si... | 18             | 18   | 1.0000       | 1                       |
| SV Samson       | 26             | 12   | 1.0000       | 2                       |
| KW Richardson   | 1              | 0    | 1.0000       | 1                       |
| AJ Finch        | 48             | 48   | 0.9318       | 1                       |
| SK Raina        | 34             | 9    | 0.8788       | 2                       |
| N Rana          | 11             | 0    | 0.8182       | 1                       |
| DJ Hooda        | 16             | 7    | 0.7857       | 3                       |
| PA Patel        | 8              | 0    | 0.7500       | 2                       |
| CJ Jordan       | 4              | 0    | 0.7500       | 1                       |
| NV Ojha         | 12             | 5    | 0.7273       | 3                       |
| J Yadav         | 7              | 7    | 0.7143       | 1                       |

| Player_Name   | Matches_Played | Wins | Average_Runs | Man_of_the_Match_Awards |
|---------------|----------------|------|--------------|-------------------------|
| HH Pandya     | 3              | 0    | 0.6667       | 1                       |
| F du Plessis  | 3              | 3    | 0.6667       | 1                       |
| SW Billings   | 6              | 6    | 0.6667       | 1                       |
| SB Jakati     | 2              | 2    | 0.5000       | 1                       |
| CR Brathwaite | 2              | 2    | 0.5000       | 1                       |
| AD Nath       | 6              | 6    | 0.5000       | 1                       |
| RR Pant       | 2              | 2    | 0.5000       | 1                       |
| P Negi        | 13             | 13   | 0.5000       | 1                       |
| DA Miller     | 9              | 9    | 0.4286       | 2                       |
| RV Uthappa    | 8              | 4    | 0.3750       | 2                       |
| PV Tambe      | 19             | 19   | 0.3684       | 1                       |
| P Kumar       | 7              | 7    | 0.3333       | 1                       |
| KP Pietersen  | 1              | 1    | 0.0000       | 1                       |
| GJ Bailey     | 2              | 2    | 0.0000       | 1                       |
| KJ Abbott     | 1              | 1    | 0.0000       | 1                       |
| S Kaushik     | 1              | 1    | 0.0000       | 1                       |
| SS Iyer       | 5              | 0    | 0.0000       | 1                       |
| M Ashwin      | 1              | 1    | 0.0000       | 1                       |

Distribution of Man of the Match Awards Among Players



## Approach

### 1. Data Collection:

- Match Data:** Collect data on all matches played by RCB in the past season, including match outcomes, venues, and dates.

- **Player Performance Data:** Gather individual player statistics, including runs scored, wickets taken, and any awards (e.g., Man of the Match).
- **Venue Information:** Compile data on the venues where RCB played, including home and away matches.

## 2. Analyze Overall Performance:

- SQL queries to calculate:
  - Total matches played by RCB.
  - Total wins and losses.
  - Win percentage for the season.
- This will provide a high-level overview of RCB's performance.

## 3. Analyze Performance by Venue:

- SQL queries to assess RCB's performance at different venues:
  - Count total matches, wins, and losses at each venue.
  - Calculate win percentages for each venue to identify strengths and weaknesses.

## 4. Analyze Key Player Contributions:

- SQL queries to evaluate individual player performances:
  - Count matches played by each player.
  - Sum wins contributed by each player.
  - Calculate average runs scored and the number of Man of the Match awards.
- This will help identify key players and their impact on the team's success.

## 5. Visual Representation:

- Create visualizations (e.g., bar charts, pie charts) to represent:
  - Overall performance metrics (wins, losses, win percentage).
  - Venue performance (win percentages at different venues).
  - Key player contributions (average runs, wins contributed).

## Insights

### 1. Overall Performance:

- **Win Percentage:** A low win percentage indicates inconsistency in performance. For example, if RCB played 14 matches and won only 6, their win percentage would be approximately 42.86%, which is below the competitive threshold for winning trophies.
- **Match Outcomes:** Analyzing the number of close matches lost can highlight issues in clutch situations or pressure handling.

### 2. Performance by Venue:

- **Home Ground Advantage:** If RCB has a significantly lower win percentage at home (M Chinnaswamy Stadium) compared to away matches, it suggests a failure to capitalize on home-ground advantage.
- **Venue-Specific Trends:** Identifying venues where RCB consistently struggles can inform future strategies and training focuses.

### 3. Key Player Contributions:

- **Star Performers:** Identifying players with high average runs and significant contributions to wins can highlight reliance on a few key players. If these players underperform or are injured, it can severely impact the team's success.
- **Depth of Squad:** If the analysis shows that only a few players are consistently performing well, it indicates a lack of depth in the squad, which is crucial for a long tournament.

## Recommendations

### 1. Focus on Consistency:

- **Training Regimens:** Implement targeted training sessions that focus on improving performance in high-pressure situations. This could include scenario-based training where players practice closing out matches.
- **Mental Conditioning:** Consider hiring sports psychologists to help players develop mental resilience, especially in tight matches.

### 2. Venue-Specific Strategies:

- **Home Ground Preparation:** Enhance preparations for home matches by analyzing pitch conditions and weather patterns. Ensure players are familiar with the nuances of the home ground.
- **Adapt Strategies for Away Matches:** Develop specific strategies for venues where RCB has historically struggled. This could involve scouting reports on opposing teams' performances at those venues.

### **3. Enhance Player Depth:**

- **Recruitment Strategy:** Focus on acquiring versatile players who can perform in multiple roles (e.g., all-rounders) to provide depth and flexibility in the squad.
- **Youth Development:** Invest in scouting and developing young talent who can step up when key players are unavailable or underperforming.

### **4. Leverage Data Analytics:**

- **Performance Monitoring:** Continuously monitor player performances using data analytics to identify trends and areas for improvement.
- **In-Game Analytics:** Utilize real-time data during matches to make informed decisions about player substitutions and strategies.

### **5. Fan Engagement:**

- **Community Involvement:** Engage with fans through community events and promotions to build a strong home-ground atmosphere, which can positively influence player performance.
- **Marketing Campaigns:** Promote high-stakes matches to increase attendance and create a supportive environment for the team.

By implementing these strategies, RCB can work towards improving their performance in future seasons and increase their chances of winning a trophy.

10. How would you approach this problem, if the objective and subjective questions weren't given?

Ans- select r.Role\_Desc, p.Player\_Name as Captain\_Name,  
pm.Team\_Id,  
  
count(case when wb.Win\_Type in ('Runs', 'Wickets') then 1  
end) as Total\_Wins,  
  
count(case when wb.Win\_Type = 'Tie' then 1 end) as  
Total\_Ties,  
  
count(case when wb.Win\_Type = 'No Result' then 1 end)  
as Total\_No\_Results  
  
from Rolee r  
  
join Player\_Match pm on r.Role\_Id = pm.Role\_Id  
  
join Player p on p.Player\_Id = pm.Player\_Id  
  
join Matches m on m.Match\_Id = pm.Match\_Id  
  
join Win\_By wb on wb.Win\_Id = m.Win\_Type  
  
where r.Role\_Desc in ('Captain', 'CaptainKeeper')  
  
group by r.Role\_Desc, p.Player\_Name, pm.Team\_Id  
  
order by Total\_Wins desc, Total\_Ties asc, Total\_No\_Results asc;

OUTPUT-

| Role_Desc     | Captain_Name          | Team_Id | Total_Wins | Total_Ties | Total_No_Results |
|---------------|-----------------------|---------|------------|------------|------------------|
| Captain       | G Gambhir             | 1       | 59         | 1          | 0                |
| Captain       | RG Sharma             | 7       | 58         | 0          | 0                |
| Captain       | V Kohli               | 2       | 58         | 2          | 2                |
| CaptainKeeper | MS Dhoni              | 3       | 51         | 0          | 0                |
| Captain       | DA Warner             | 11      | 31         | 0          | 0                |
| Captain       | GJ Bailey             | 4       | 30         | 0          | 0                |
| Captain       | R Dravid              | 5       | 18         | 0          | 0                |
| Captain       | SR Watson             | 5       | 17         | 2          | 1                |
| Captain       | SK Raina              | 13      | 15         | 0          | 0                |
| CaptainKeeper | MS Dhoni              | 12      | 14         | 0          | 0                |
| Captain       | JP Duminy             | 6       | 14         | 0          | 1                |
| CaptainKeeper | AC Gilchrist          | 4       | 13         | 0          | 0                |
| Captain       | DPM D Jayaw...<br>ard | 6       | 13         | 1          | 0                |
| Captain       | Z Khan                | 6       | 12         | 0          | 0                |
| Captain       | KP Pietersen          | 6       | 11         | 0          | 0                |
| Captain       | AJ Finch              | 10      | 10         | 0          | 0                |
| Captain       | S Dhawan              | 11      | 10         | 0          | 0                |
| Captain       | M Vijay               | 4       | 8          | 0          | 0                |
| Captain       | CL White              | 11      | 8          | 0          | 0                |
| Captain       | SPD Smith             | 5       | 8          | 0          | 0                |
| Captain       | RT Ponting            | 7       | 6          | 0          | 0                |
| Captain       | DA Miller             | 4       | 6          | 0          | 0                |
| Captain       | KC Sangakkara         | 11      | 6          | 1          | 0                |
| Captain       | AD Mathews            | 10      | 5          | 0          | 0                |
| Captain       | DJG Sammy             | 11      | 4          | 0          | 0                |

| Role_Desc     | Captain_Name  | Team_Id | Total_Wins | Total_Ties | Total_No_Results |
|---------------|---------------|---------|------------|------------|------------------|
| Captain       | DJ Hussey     | 4       | 3          | 0          | 0                |
| CaptainKeeper | KD Karthik    | 6       | 3          | 0          | 0                |
| Captain       | DA Warner     | 6       | 2          | 0          | 0                |
| CaptainKeeper | KC Sangakkara | 11      | 2          | 0          | 0                |
| Captain       | LRPL Taylor   | 10      | 1          | 0          | 0                |
| CaptainKeeper | KD Karthik    | 2       | 1          | 0          | 0                |
| Captain       | BB McCullum   | 13      | 1          | 0          | 0                |
| Captain       | V Sehwag      | 4       | 0          | 1          | 0                |

## Approach

### 1. Understanding the Data Structure:

- I start by examining the tables involved in the analysis, which include:

- **Rolee:** This table contains the roles of players, such as Captain and Wicketkeeper.
- **Player\_Match:** This links players to their respective matches and roles.
- **Player:** This holds details about each player.
- **Matches:** This table includes information about the matches, including outcomes.
- **Win\_By:** This provides details on how matches were won (e.g., by runs, wickets, tie, or no result).
- Understanding how these tables relate to one another is crucial for accurate joins and data extraction.

## 2. Defining Key Metrics:

- Key metrics to analyze include:
  - **Total Wins:** The number of matches won by captains and wicketkeepers.
  - **Total Ties:** The number of matches that ended in a tie.
  - **Total No Results:** The number of matches that did not yield a result.
- Grouping the data by role description, player name, and team ID will allow for a detailed performance analysis.

## 3. Executing the SQL Query:

- The provided SQL query is executed to extract the relevant data.
- It's important to ensure that the query accurately counts wins, ties, and no results for the specified roles.

## 4. Data Analysis:

- After obtaining the results, analyzing them helps identify trends in the performance of captains and wicketkeepers.
- Patterns can be observed, such as which captains have the highest win rates or how often matches end in ties or no results.

## 5. **Visualization:**

- Creating visual representations, like bar charts or pie charts, can illustrate the performance of different captains and wicketkeepers effectively.

## Insights

### 1. Performance of Captains and Wicketkeepers:

- The results from the query provide insights into which captains have been most successful in leading their teams to victory.
- It also highlights the performance of wicketkeepers in matches, particularly regarding their leadership roles.

### 2. Win Rates:

- Analyzing the total wins, ties, and no results helps gauge the effectiveness of different players in high-pressure situations.
- A high number of ties or no results might indicate issues with match strategy or execution.

### 3. Role Impact:

- Understanding how the captaincy role impacts match outcomes can inform future team selections and leadership decisions.

- If certain captains consistently achieve better results, it would be beneficial to analyze their leadership styles and decision-making processes.

## **Recommendations**

### **1. Leadership Development:**

- Investing in leadership training programs for captains and wicketkeepers can enhance their decision-making skills and match strategies.
- Encouraging mentorship programs where experienced players guide younger captains could also be beneficial.

### **2. Performance Review:**

- Conducting regular performance reviews for captains and wicketkeepers based on match outcomes and leadership effectiveness is essential.
- Data analytics can provide feedback and identify areas for improvement.

### **3. Data-Driven Selection:**

- Using the insights gained from this analysis to inform player selection for future matches is crucial. Retaining successful captains and wicketkeepers based on their performance metrics should be a priority.
- Analyzing the conditions under which certain players perform best can help in making informed selections.

### **4. Strategic Planning:**

- Developing match strategies that leverage the strengths of successful captains and wicketkeepers is important. This could involve specific game plans for high-stakes matches.

- Analyzing past matches to identify successful tactics employed by top-performing captains can be incorporated into training sessions.

## 5. Continuous Monitoring:

- Implementing a system for continuous monitoring of player performance and match outcomes will allow for real-time adjustments to strategies and player roles.
- Regularly updating the database with new match data will keep the analysis relevant and actionable.

By following this approach, valuable insights into the performance of captains and wicketkeepers can be gained, leading to informed decisions that enhance team performance and increase the likelihood of success in future matches.

11. In the "Match" table, some entries in the "Opponent\_Team" column are incorrectly spelled as "Delhi\_Capitals" instead of "Delhi\_Daredevils". Write an SQL query to replace all occurrences of "Delhi\_Capitals" with "Delhi\_Daredevils".

Ans- `select * from Team where Team_Id = 6;`

```
update Team set Team_Name = "Delhi Daredevils" where  
Team_Id = 6;
```

OUTPUT-

| Team_Id | Team_Name        |
|---------|------------------|
| 6       | Delhi Daredevils |
| NULL    | NULL             |

select count(Man\_of\_the\_Match) from Matches;

## OUTPUT-

| count(Man_of_the_Match) |
|-------------------------|
| 253                     |

Note- already have team name as “Delhi-Daredevils” in a team column.

## Approach

### 1. Identify the Problem:

- The first step is to recognize that there are incorrect entries in the "Opponent\_Team" column of the "Match" table. Specifically, "Delhi\_Capitals" is incorrectly used instead of "Delhi\_Daredevils".
- Understanding the context of the data is crucial. The "Opponent\_Team" column should accurately reflect the names of the teams to maintain data integrity.

### 2. Data Analysis:

- Before making any updates, I would run a query to count the occurrences of "Delhi\_Capitals" in the

"Opponent\_Team" column. This helps quantify the extent of the issue.

### 3. Update the Entries:

- Once the extent of the issue is understood, I would proceed to update the entries. An **UPDATE** statement will be used to replace all occurrences of "Delhi\_Capitals" with "Delhi\_Daredevils".

### 4. Verification:

- After executing the update, it's essential to verify that the changes have been made correctly. I would run a query to check if any occurrences of "Delhi\_Capitals" remain in the "Opponent\_Team" column.

### 5. Documentation:

- Document the changes made to the database for future reference. This includes noting the original state of the data, the changes made, and the rationale behind those changes.

## Insights

### 1. Data Integrity:

- Maintaining accurate team names is crucial for data integrity. Incorrect entries can lead to confusion in analysis, reporting, and decision-making.
- Consistency in naming conventions (e.g., using underscores vs. spaces) should be enforced across the database to avoid similar issues in the future.

### 2. Impact on Analysis:

- Incorrect team names can skew analysis results, such as win-loss records, player performance metrics, and historical comparisons. Ensuring accurate data helps in making informed decisions based on reliable insights.

### **3. Frequency of Errors:**

- By counting the occurrences of the incorrect entry, I can assess whether this is an isolated issue or part of a larger pattern of data entry errors. This can inform future data quality checks.

## **Recommendations**

### **1. Data Quality Checks:**

- Implement regular data quality checks to identify and correct inconsistencies in the database. This could include automated scripts that flag discrepancies in team names or other critical fields.

### **2. Standardization of Naming Conventions:**

- Establish and enforce standard naming conventions for teams and other entities in the database. This could involve creating a reference table for team names that all entries must adhere to.

### **3. Training for Data Entry Personnel:**

- If data entry is done manually, provide training for personnel to ensure they understand the importance of accuracy and consistency in data entry. This can help reduce the likelihood of similar errors in the future.

### **4. Audit Trail:**

- Maintain an audit trail of changes made to the database. This can help track who made changes, when they were made, and the nature of those changes, which is useful for accountability and troubleshooting.

## 5. Feedback Mechanism:

- Establish a feedback mechanism for users of the database to report any discrepancies they encounter. This can help catch errors that may not be identified through automated checks.

By following this approach, I can ensure that the data in the "Match" table is accurate and reliable, which is essential for any further analysis or reporting.