

**\*\*\*\*\* DATA ANALYSIS OF IPL DATASET 2008 - 2022 \*\*\*\*\***

**\*\*\*\*\* EXPLORATORY DATA ANALYSIS \*\*\*\*\***

**1\*\*\* EVERY SEASON WISE PLAYER OF THE MATCH RANKING ORDER \*\*\***

```
SELECT SEASON,TEAM1,TEAM2,PLAYER_OF_MATCH,  
DENSE_RANK() OVER (PARTITION BY SEASON,TEAM1,TEAM2 ORDER BY  
PLAYER_OF_MATCH) AS RANKZ  
FROM  
IPL.DBO.match
```

**2\*\*\* EVERY TEAM TOTAL RUNS IN EVERY SEASON \*\*\***

```
select season,batting_team,  
sum(runs_off_bat + extras) as total_runs  
from ipl.dbo.score  
group by season,batting_team  
order by season asc,total_runs desc
```

**3\*\*\* highest runs scorer of each season by which team rank wise \*\*\***

```
WITH added_row_number AS (  
  select season,batting_team,striker,run_score,  
  ROW_NUMBER() over (partition by season order by run_score desc) as row_number,  
  max(run_score) over (partition by season) as highest_scorer,  
  DENSE_RANK() over (partition by season order by run_score desc) as ranking  
  from  
  (select season,batting_team,striker,sum(runs_off_bat) as run_score from ipl.dbo.score  
  group by season,batting_team,striker)z  
)  
SELECT  
  *  
FROM added_row_number  
WHERE row_number = 1;
```

**4\*\*\* highest runs by each team season wise \*\*\***

```
WITH added_row_number AS (  
  SELECT season,batting_team,total_runs,
```

```

    ROW_NUMBER() OVER(PARTITION BY season ORDER BY total_runs DESC) AS
row_number,
    max(total_runs) over (partition by season) as top_team,
DENSE_RANK() over (partition by season order by total_runs desc) as rankz
from
(select batting_team,season,sum(runs_off_bat + extras) as total_runs from ipl.dbo.score
group by season,batting_team)z
)
SELECT
*
FROM added_row_number
WHERE row_number = 1;

```

#### **5\*\*\*\* HIGHEST WICKET TAKER SEASON WISE \*\*\*\***

```

with added_row_number as (
select season,bowling_team,bowler,wks,
ROW_NUMBER() over (partition by season order by wks desc) as row_number,
max(wks) over (partition by season) as highest_wks
from
(select season,bowling_team,bowler,count(wicket_type) as wks from ipl.dbo.score
group by season,bowler,bowling_team)z)
select
*
from
added_row_number
where row_number =1

```

#### **6\*\*\*\* 50+ runs scored by batsman in each season of ipl by their respective team \*\*\*\***

```

select season,match_id,batting_team,striker,
sum(runs_off_bat) as batter_score
from
ipl.dbo.score
group by season,match_id,batting_team,striker
having sum(runs_off_bat) between 50 and 99

```

#### **7\*\*\*\* 100+ runs scored by batsman in each season of ipl by their respective team \*\*\*\***

```

select season,match_id,batting_team,striker,
sum(runs_off_bat) as batter_score
from
ipl.dbo.score

```

```
group by season,match_id,batting_team,striker
having sum(runs_off_bat) > 99
```

**8\*\*\*\* batsman got out in the nervous 90 in each ipl season by their respective team \*\*\*\***

```
select season,match_id,batting_team,striker,
sum(runs_off_bat) as batter_score
from
ipl.dbo.score
group by season,match_id,batting_team,striker
having sum(runs_off_bat) between 90 and 99
```

**9\*\*\*\* bowlers getting 5 wicket haul in each ipl season by their respective team \*\*\*\***

```
select season,match_id,bowling_team,bowler,
count(wicket_type) as wicket_taker
from
ipl.dbo.score
group by season,match_id,bowling_team,bowler
having count(wicket_type)>4
```

**10\*\*\*\* bowlers getting (3-4) wicket haul in each ipl season by their respective team \*\*\*\***

```
select season,match_id,bowling_team,bowler,
count(wicket_type) as wicket_taker
from
ipl.dbo.score
group by season,match_id,bowling_team,bowler
having count(wicket_type) between 3 and 4
```

**11\*\*\*\* batsman getting 40+ scores in ipl seasonwise by respective team \*\*\*\***

```
select season,match_id,batting_team,striker,
sum(runs_off_bat) as run_score
from
ipl.dbo.score
group by season,match_id,batting_team,striker
having sum(runs_off_bat) between 40 and 49
```

**12\*\*\*\* bowlers getting 0 wickets in each ipl season by their respective team \*\*\*\***

```
select season,match_id,bowling_team,bowler,
count(wicket_type) as wicket_taker
```

```
from
ipl.dbo.score
group by season,match_id,bowling_team,bowler
having count(wicket_type) = 0
```

**13\*\*\*\* teams having most number of 50+ scores by their batters \*\*\*\***

```
select season,batting_team,striker,count(striker) as no_of_batsman
from
(select season,match_id,batting_team,striker,
sum(runs_off_bat) as batter_score
from
ipl.dbo.score
group by season,match_id,batting_team,striker
having sum(runs_off_bat) between 50 and 99)z
group by season,batting_team,striker
```

**14\*\*\*\* teams having most number of 100+ scores by their batters \*\*\*\***

```
select season,batting_team,striker,count(striker) as no_of_batsman
from
(select season,match_id,batting_team,striker,
sum(runs_off_bat) as batter_score
from
ipl.dbo.score
group by season,match_id,batting_team,striker
having sum(runs_off_bat) > 100)z
group by season,batting_team,striker
```

**15\*\*\*\* teams having most number of 90+ scores by their batters \*\*\*\***

```
select season,batting_team,striker,count(striker) as no_of_batsman
from
(select season,match_id,batting_team,striker,
sum(runs_off_bat) as batter_score
from
ipl.dbo.score
group by season,match_id,batting_team,striker
having sum(runs_off_bat) between 90 and 99)z
group by season,batting_team,striker
```

**16\*\*\*\* highest runs scored by teams in a match by each season \*\*\*\***

```

with added_row_number as (
  select season,match_id,batting_team,team_runs,
    ROW_NUMBER() over (partition by season order by team_runs desc) as row_number,
    max(team_runs) over (partition by season) as highest_total,
    DENSE_RANK() over (partition by season order by team_runs desc) as ranking
  from
    (select season,match_id,batting_team,sum(runs_off_bat + extras) as team_runs
    from ipl.dbo.score
    group by season,match_id,batting_team)z)
select
*
from
added_row_number
where row_number =1

```

**17\*\*\*\* lowest runs scored by teams in a match by each season \*\*\*\***

```

with added_row_number as (
  select season,match_id,batting_team,team_runs,
    ROW_NUMBER() over (partition by season order by team_runs asc) as row_number,
    min(team_runs) over (partition by season) as lowest_total,
    DENSE_RANK() over (partition by season order by team_runs asc) as ranking
  from
    (select season,match_id,batting_team,sum(runs_off_bat + extras) as team_runs
    from ipl.dbo.score
    group by season,match_id,batting_team)z)
select
*
from
added_row_number
where row_number =1

```

**18\*\*\*\* how many matches 1st batting team won seasonwise \*\*\*\***

```

select season,count(*) fisrt_batting_team
from
(select season,toss_winner,toss_decision,winner
from ipl.dbo.match
where toss_decision = 'bat')z
group by season

```

**19\*\*\*\* how many team 2nd batting won season wise \*\*\*\***

```

select season,count(*) second_batting_team

```

```
from
(select season,toss_winner,toss_decision,winner
from ipl.dbo.match
where toss_decision = 'field')z
group by season
```

**20\*\*\*\* most number of man of the match award \*\*\*\***

```
select player_of_match, count(player_of_match) no_of_awards
from ipl.dbo.match
group by player_of_match
order by no_of_awards desc
```

**21\*\*\*\* season wise highest man of the match award \*\*\*\***

```
with added_row_number as (
  select season,player_of_match,no_of_awards,
  ROW_NUMBER() over (partition by season order by no_of_awards desc) as row_number,
  max(no_of_awards) over (partition by season) as highest_award_per_season,
  DENSE_RANK() over (partition by season order by no_of_awards desc) as ranks
from
(select season,player_of_match, count(player_of_match) no_of_awards
from ipl.dbo.match
group by season,player_of_match)z)
select
*
from
added_row_number
where row_number =1
```

**22\*\*\*\* which team conceded most no of extras \*\*\*\***

```
select bowling_team,sum(extras) total_extra_runs
from ipl.dbo.score
group by bowling_team
order by total_extra_runs desc
```

**23\*\*\*\* highest won by runs in ipl history \*\*\*\***

```
select season,
concat(max(team1), ' vs ' , max(team2)) as match_name,
winner,win_by
```

```
from
(select season,winner,win_by,winner_type,team1,team2
from ipl.dbo.match
where winner_type='runs')z
group by season,winner,win_by
order by season asc,win_by desc
```

**24\*\*\*\*how many pacers took wk in season wise \*\*\*\***

```
select season,bowler,count(wicket_type) as wks,bowling_type
from ipl.dbo.score s
inner join ipl.dbo.players p
on s.bowler_id = p.identifier
group by season,bowler,bowling_type
having bowling_type = 'pace'
order by season asc,wks desc
```

**24\*\*\*\*how many spinners took wk in season wise \*\*\*\***

```
select season,bowler,count(wicket_type) as wks,bowling_type
from ipl.dbo.score s
inner join ipl.dbo.players p
on s.bowler_id = p.identifier
group by season,bowler,bowling_type
having bowling_type = 'spin'
order by season asc,wks desc
```

**25\*\*\*\*how many right hander batter scored runs in ipl over the years \*\*\*\***

```
select season,striker,sum(runs_off_bat)as runs_scored_righty,batting_style
from ipl.dbo.score s
inner join ipl.dbo.players p
on s.striker_id = p.identifier
group by season,striker,batting_style
having batting_style = 'right hand bat'
order by season asc,runs_scored_righty desc
```

**26\*\*\*\*how many left hander batter scored runs in ipl over the years \*\*\*\***

```
select season,striker,sum(runs_off_bat)as runs_scored_lefty,batting_style
from ipl.dbo.score s
inner join ipl.dbo.players p
on s.striker_id = p.identifier
```

group by season,striker,batting\_style  
having batting\_style = 'left hand bat'  
order by season asc,runs\_scored\_lefty desc

**27\*\*\*\* left hander batter scored 50+ runs in ipl over the years \*\*\*\***

select season,striker,match\_id,batting\_style,runs\_scored\_lefty  
from  
(select season,striker,match\_id,sum(runs\_off\_bat)as runs\_scored\_lefty,batting\_style  
from ipl.dbo.score s  
inner join ipl.dbo.players p  
on s.striker\_id = p.identifier  
group by season,striker,batting\_style,match\_id)z  
where batting\_style = 'left hand bat' and runs\_scored\_lefty between 50 and 99

**28\*\*\*\* right hander batter scored 50+ runs in ipl over the years \*\*\*\***

select season,striker,match\_id,batting\_style,runs\_scored\_righty  
from  
(select season,striker,match\_id,sum(runs\_off\_bat)as runs\_scored\_righty,batting\_style  
from ipl.dbo.score s  
inner join ipl.dbo.players p  
on s.striker\_id = p.identifier  
group by season,striker,batting\_style,match\_id)z  
where batting\_style = 'right hand bat' and runs\_scored\_righty between 50 and 99

**29\*\*\*\* right hander batter scored 100+ runs in ipl over the years \*\*\*\***

select season,striker,match\_id,batting\_style,runs\_scored\_righty  
from  
(select season,striker,match\_id,sum(runs\_off\_bat)as runs\_scored\_righty,batting\_style  
from ipl.dbo.score s  
inner join ipl.dbo.players p  
on s.striker\_id = p.identifier  
group by season,striker,batting\_style,match\_id)z  
where batting\_style = 'right hand bat' and runs\_scored\_righty > 100

**30\*\*\*\* left hander batter scored 50+ runs in ipl over the years \*\*\*\***

select season,striker,match\_id,batting\_style,runs\_scored\_lefty  
from



```
(select season,striker,match_id,sum(runs_off_bat)as runs_scored_lefty,batting_style
from ipl.dbo.score s
inner join ipl.dbo.players p
on s.striker_id = p.identifier
group by season,striker,batting_style,match_id)z
where batting_style = 'left hand bat' and runs_scored_lefty > 100
```

**31\*\*\*\* team crossing 200 runs mark over the years in ipl \*\*\*\***

```
select season,match_id,batting_team,sum(runs_off_bat + extras) as total_runs
from ipl.dbo.score
group by season,match_id,batting_team
having sum(runs_off_bat + extras) > 200
order by season
```

**32\*\*\*\* openers scored 50+ score in ipl over the years \*\*\*\***

```
select season,striker,match_id,playing_position,runs_scored
from
(select season,striker,match_id,sum(runs_off_bat)as runs_scored,playing_position
from ipl.dbo.score s
inner join ipl.dbo.players p
on s.striker_id = p.identifier
group by season,striker,playing_position,match_id)z
where playing_position = 'opening batter' and runs_scored between 50 and 99
```

**33\*\*\*\* openers scored 100+ score in ipl over the years \*\*\*\***

```
select season,striker,match_id,playing_position,runs_scored
from
(select season,striker,match_id,sum(runs_off_bat)as runs_scored,playing_position
from ipl.dbo.score s
inner join ipl.dbo.players p
on s.striker_id = p.identifier
group by season,striker,playing_position,match_id)z
where playing_position = 'opening batter' and runs_scored > 100
```

**34\*\*\*\* wicketkeeper scored 50 to 100 in ipl over the years \*\*\*\***

```
select season,striker,match_id,playing_position,runs_scored
from
(select season,striker,match_id,sum(runs_off_bat)as runs_scored,playing_position
from ipl.dbo.score s
inner join ipl.dbo.players p
```

```
on s.striker_id = p.identifier
group by season,striker,playing_position,match_id)z
where playing_position = 'wicketkeeper batter' and runs_scored between 50 and 100
```

**35\*\*\*\* all-rounders scored 50 to 100 in ipl over the years \*\*\*\***

```
select season,striker,match_id,playing_position,runs_scored
from
(select season,striker,match_id,sum(runs_off_bat)as runs_scored,playing_position
from ipl.dbo.score s
inner join ipl.dbo.players p
on s.striker_id = p.identifier
group by season,striker,playing_position,match_id)z
where playing_position = 'allrounder' and runs_scored between 50 and 100
```

**36\*\*\*\* right hander pacer took wks over the years \*\*\*\***

```
select season,bowler,count(wicket_type) as wks,bowling_type,bowling_arm
from ipl.dbo.score s
inner join ipl.dbo.players p
on s.bowler_id = p.identifier
group by season,bowler,bowling_type,bowling_arm
having bowling_type = 'pace' and bowling_arm = 'right'
order by season asc,wks desc
```

**37\*\*\*\* left hander pacer took wks over the years \*\*\*\***

```
select season,bowler,count(wicket_type) as wks,bowling_type,bowling_arm
from ipl.dbo.score s
inner join ipl.dbo.players p
on s.bowler_id = p.identifier
group by season,bowler,bowling_type,bowling_arm
having bowling_type = 'pace' and bowling_arm = 'left'
order by season asc,wks desc
```

**38\*\*\*\* right hander spinner took wks over the years \*\*\*\***

```
select season,bowler,count(wicket_type) as wks,bowling_type,bowling_arm
from ipl.dbo.score s
inner join ipl.dbo.players p
on s.bowler_id = p.identifier
group by season,bowler,bowling_type,bowling_arm
having bowling_type = 'spin' and bowling_arm = 'right'
order by season asc,wks desc
```

**39\*\*\*\* right hander spinner took wks over the years \*\*\*\***

```
select season,bowler,count(wicket_type) as wks,bowling_type,bowling_arm
from ipl.dbo.score s
inner join ipl.dbo.players p
on s.bowler_id = p.identifier
group by season,bowler,bowling_type,bowling_arm
having bowling_type = 'spin' and bowling_arm = 'left'
order by season asc,wks desc
```

**40\*\*\*\* right hander pacer took 5wks over the years \*\*\*\***

```
select season,s.match_id,bowler,count(wicket_type) as wks,bowling_type,bowling_arm
from ipl.dbo.score s
inner join ipl.dbo.players p
on s.bowler_id = p.identifier
group by season,s.match_id,bowler,bowling_type,bowling_arm
having bowling_type = 'pace' and bowling_arm = 'right' and count(wicket_type) >= 5
```

**41\*\*\*\* left hander pacer took 5wks over the years \*\*\*\***

```
select season,s.match_id,bowler,count(wicket_type) as wks,bowling_type,bowling_arm
from ipl.dbo.score s
inner join ipl.dbo.players p
on s.bowler_id = p.identifier
group by season,s.match_id,bowler,bowling_type,bowling_arm
having bowling_type = 'pace' and bowling_arm = 'left' and count(wicket_type) >= 5
```

**42\*\*\*\* left hander spinner took 5wks over the years \*\*\*\***

```
select season,s.match_id,bowler,count(wicket_type) as wks,bowling_type,bowling_arm
from ipl.dbo.score s
inner join ipl.dbo.players p
on s.bowler_id = p.identifier
group by season,s.match_id,bowler,bowling_type,bowling_arm
having bowling_type = 'spin' and bowling_arm = 'left' and count(wicket_type) >= 5
```

**43\*\*\*\* left hander spinner took 5wks over the years \*\*\*\***

```
select season,s.match_id,bowler,count(wicket_type) as wks,bowling_type,bowling_arm
from ipl.dbo.score s
inner join ipl.dbo.players p
```

```
on s.bowler_id = p.identifier
group by season,s.match_id,bowler,bowling_type,bowling_arm
having bowling_type = 'spin' and bowling_arm = 'right' and count(wicket_type) >= 5
```

**44\*\*\*\*right arm off break spinner took wks over the years \*\*\*\***

```
select bowler,count(wicket_type) as wks,bowling_type,bowling_style
from ipl.dbo.score s
inner join ipl.dbo.players p
on s.bowler_id = p.identifier
group by bowler,bowling_type,bowling_style
having bowling_type = 'spin' and bowling_style = 'right arm offbreak'
order by wks desc
```

**45\*\*\*\*left arm off break spinner took wks over the years \*\*\*\***

```
select bowler,count(wicket_type) as wks,bowling_type,bowling_style
from ipl.dbo.score s
inner join ipl.dbo.players p
on s.bowler_id = p.identifier
group by bowler,bowling_type,bowling_style
having bowling_type = 'spin' and bowling_style = 'slow left arm orthodox'
order by wks desc
```

**46\*\*\*\*leg spinner took wks over the years \*\*\*\***

```
select bowler,count(wicket_type) as wks,bowling_type,bowling_style
from ipl.dbo.score s
inner join ipl.dbo.players p
on s.bowler_id = p.identifier
group by bowler,bowling_type,bowling_style
having bowling_type = 'spin' and bowling_style in ('leg break','legbreak googly')
order by wks desc
```

**47\*\*\*\*right arm fast bowler took wks over the years \*\*\*\***

```
select bowler,count(wicket_type) as wks,bowling_type,bowling_style
from ipl.dbo.score s
inner join ipl.dbo.players p
on s.bowler_id = p.identifier
group by bowler,bowling_type,bowling_style
having bowling_type = 'pace' and bowling_style = 'right arm fast'
order by wks desc
```

**48\*\*\*\*right arm medium fast bowler took wks over the years \*\*\*\***

```
select bowler,count(wicket_type) as wks,bowling_type,bowling_style
from ipl.dbo.score s
inner join ipl.dbo.players p
on s.bowler_id = p.identifier
group by bowler,bowling_type,bowling_style
having bowling_type = 'pace' and bowling_style = 'right arm fast medium'
order by wks desc
```

**49\*\*\*\*right arm medium bowler took wks over the years \*\*\*\***

```
select bowler,count(wicket_type) as wks,bowling_type,bowling_style
from ipl.dbo.score s
inner join ipl.dbo.players p
on s.bowler_id = p.identifier
group by bowler,bowling_type,bowling_style
having bowling_type = 'pace' and bowling_style = 'right arm medium'
order by wks desc
```

**50\*\*\*\*left arm medium fast bowler took wks over the years \*\*\*\***

```
select bowler,count(wicket_type) as wks,bowling_type,bowling_style
from ipl.dbo.score s
inner join ipl.dbo.players p
on s.bowler_id = p.identifier
group by bowler,bowling_type,bowling_style
having bowling_type = 'pace' and bowling_style = 'left arm fast medium'
order by wks desc
```

**51\*\*\*\*left arm fast bowler took wks over the years \*\*\*\***

```
select bowler,count(wicket_type) as wks,bowling_type,bowling_style
from ipl.dbo.score s
inner join ipl.dbo.players p
on s.bowler_id = p.identifier
group by bowler,bowling_type,bowling_style
having bowling_type = 'pace' and bowling_style = 'left arm fast'
order by wks desc
```

**52\*\*\*\* players out in different manner \*\*\*\***

```
select wicket_type,striker,count(wicket_type) as occurrence
```

```
from ipl.dbo.score
group by wicket_type,striker
order by occurance desc
```

**53\*\*\*\* bowler conceded most no of no balls/free hit occurance \*\*\*\***

```
select bowler,count(noballs) as free_hit_count
from
ipl.dbo.score
group by bowler
order by free_hit_count desc
```

**54\*\*\*\* bowler conceded most no of wide balls \*\*\*\***

```
select bowler,count(wides) as wide
from
ipl.dbo.score
group by bowler
order by wide desc
```

**55\*\*\*\*bowlers mostly targeted the stumps got bowled and lbw \*\*\*\***

```
select bowler,wicket_type,count(wicket_type) as pray
from ipl.dbo.score
group by bowler,wicket_type
having wicket_type in ('bowled','lbw')
order by pray desc
```

**56\*\*\*\* bowlers mostly took wk in first innings \*\*\*\***

```
select bowler,innings,count(wicket_type) as pray
from ipl.dbo.score
where innings =1
group by bowler,innings
order by pray desc
```

**57\*\*\*\* bowlers mostly took wk in second innings \*\*\*\***

```
select bowler,innings,count(wicket_type) as pray
from ipl.dbo.score
where innings =2
group by bowler,innings
order by pray desc
```

**58\*\*\*\* matches are goes into eliminator \*\*\*\***

```
select season,  
concat(max(team1), 'vs' ,max(team2)) as match_name,  
toss_winner,outcome,eliminator  
from  
ipl.dbo.match  
group by season,toss_winner,outcome,eliminator  
having outcome = 'tie'
```

**59\*\*\*\*how many times teams choose bat or field \*\*\*\***

```
select toss_decision,count(toss_decision) as occurrence  
from  
ipl.dbo.match  
group by toss_decision
```

**60\*\*\*\*highest margin of runs a team won in ipl \*\*\*\***

```
select season,win_by,winner,  
max(win_by) as highest_margin,  
concat(max(team1), 'vs' ,max(team2)) as match_name  
from ipl.dbo.match  
group by season,win_by,winner  
order by highest_margin desc
```

**61\*\*\*\*lowest margin of runs a team won in ipl \*\*\*\***

```
select season,win_by,winner,  
min(win_by) as lowest_margin,  
concat(max(team1), 'vs' ,max(team2)) as match_name  
from ipl.dbo.match  
group by season,win_by,winner  
having min(win_by) >1  
order by lowest_margin
```

**62\*\*\*\*teams won the match by 1 run \*\*\*\***

```
select season,match_id,  
concat(max(team1), 'vs' ,max(team2)) as match_name,  
win_by,winner_type,winner  
from  
ipl.dbo.match  
group by season,match_id,win_by,winner_type,winner
```

having win\_by = 1 and winner\_type = 'runs'

**63\*\*\*\*teams won the match by 1 wicket \*\*\*\***

```
select season,match_id,
concat(max(team1), 'vs' ,max(team2)) as match_name,
win_by,winner_type,winner
from
ipl.dbo.match
group by season,match_id,win_by,winner_type,winner
having win_by = 1 and winner_type = 'wickets'
```

**64\*\*\*\* how many matches result didnt come per season \*\*\*\***

```
select season,outcome,count(outcome) as happened
from ipl.dbo.match
group by season,outcome
having outcome = 'no result'
```

**65\*\*\*\*venue wise highest runs \*\*\*\***

```
select venue,sum(runs_off_bat + extras) as total_runs,batting_team
from
ipl.dbo.score s
inner join
ipl.dbo.match m
on s.match_id = m.match_id
inner join
ipl.dbo.venue v
on m.venueid = v.id
group by venue,batting_team
order by total_runs desc
```

**66\*\*\*\* venue wise highest runs by players \*\*\*\***

```
select
venue,striker,sum(runs_off_bat) as total_runs,batting_team
from
ipl.dbo.score s
inner join
ipl.dbo.match m
on s.match_id = m.match_id
inner join
ipl.dbo.venue v
```



```
on m.venueid = v.id
group by venue,striker,batting_team
order by total_runs desc
```

**67\*\*\*\* venue wise highest wicket taker \*\*\*\***

```
select venue,bowler,count(wicket_type)as wks,bowling_team
from
ipl.dbo.score s
inner join
ipl.dbo.match m
on s.match_id = m.match_id
inner join
ipl.dbo.venue v
on m.venueid = v.id
group by venue,bowler,bowling_team
order by wks desc
```

**68\*\*\*\* 2021 in UAE highest run scorer in ipl \*\*\*\***

```
select s.season,venue,striker,sum(runs_off_bat) as total_runs,batting_team
from
ipl.dbo.score s
inner join
ipl.dbo.match m
on s.match_id = m.match_id
inner join
ipl.dbo.venue v
on m.venueid = v.id
where s.season = '2021'
group by s.season,venue,striker,batting_team
order by total_runs desc
```

**69\*\*\*\* 2021 in UAE highest wk taker in ipl \*\*\*\***

```
select s.season,venue,bowler,count(wicket_type) as wks,bowling_team
from
ipl.dbo.score s
inner join
ipl.dbo.match m
on s.match_id = m.match_id
inner join
ipl.dbo.venue v
on m.venueid = v.id
```

```
where s.season = '2021'  
group by s.season,venue,bowler,bowling_team  
order by wks desc
```

**70\*\*\*\* 2022 recent ipl highest run scorer venue wise\*\*\*\***

```
select s.season,venue,striker,sum(runs_off_bat) as total_runs,batting_team  
from  
ipl.dbo.score s  
inner join  
ipl.dbo.match m  
on s.match_id = m.match_id  
inner join  
ipl.dbo.venue v  
on m.venueid = v.id  
where s.season = '2022'  
group by s.season,venue,striker,batting_team  
order by total_runs desc
```

**71\*\*\*\* 2022 ipl highest wk taker venue wise \*\*\*\***

```
select s.season,venue,bowler,count(wicket_type) as wks,bowling_team  
from  
ipl.dbo.score s  
inner join  
ipl.dbo.match m  
on s.match_id = m.match_id  
inner join  
ipl.dbo.venue v  
on m.venueid = v.id  
where s.season = '2022'  
group by s.season,venue,bowler,bowling_team  
order by wks desc
```

**72\*\*\*\* 2022 ipl highest wk taker\*\*\*\***

```
select s.season,bowler,count(wicket_type) as wks,bowling_team  
from  
ipl.dbo.score s  
inner join  
ipl.dbo.match m  
on s.match_id = m.match_id  
where s.season = '2022'  
group by s.season,bowler,bowling_team
```

order by wks desc

73\*\*\*\* 2022 ipl highest run scorer\*\*\*\*

```
select
s.season,striker,batting_team,sum(runs_off_bat) as total_runs
from
ipl.dbo.score s
inner join
ipl.dbo.match m
on s.match_id = m.match_id
where s.season= '2022'
group by s.season,striker,batting_team
order by total_runs desc
```

74\*\*\*\* percentage of spin dominated over the years in ipl \*\*\*\*

```
select season,bowling_type,
((select count(wicket_type)
from
ipl.dbo.score s
join
ipl.dbo.players p
on s.bowler_id = p.identifier
where bowling_type = 'spin')* 100 / (select count(wicket_type)
from
ipl.dbo.score)) as perc_of_spin_dominance
from
ipl.dbo.score s
join
ipl.dbo.players p
on s.bowler_id = p.identifier
where bowling_type = 'spin'
group by season,bowling_type
order by season
```

75\*\*\*\* percentage of spin dominated over the years in ipl \*\*\*\*

```
select season,bowling_type,
((select count(wicket_type)
from
ipl.dbo.score s
join
```

```

ipl.dbo.players p
on s.bowler_id = p.identifier
where bowling_type = 'pace')* 100 / (select count(wicket_type)
from
ipl.dbo.score)) as perc_of_spin_dominance
from
ipl.dbo.score s
join
ipl.dbo.players p
on s.bowler_id = p.identifier
where bowling_type = 'pace'
group by season,bowling_type
order by season

```

**76\*\*\*\*kkr players runs scored individually \*\*\*\***

```

select striker,sum(runs_off_bat) as runs
from ipl.dbo.score
where batting_team = 'kolkata knight riders'
group by striker
order by runs desc

```

**77\*\*\*\* hs by batsman in ipl vs opponent team \*\*\*\***

```

select
concat(max(batting_team), 'vs' , max(bowling_team)) as match_name,
striker,
sum(runs_off_bat) as total_runs
from ipl.dbo.score
group by striker,match_id
order by total_runs desc

```

**78\*\*\*\*strike rate of batsmans\*\*\*\***

```

select
striker as batsman,
batting_team,
(sum(runs_off_bat)/count(ball))*100 as strike_rate
from
ipl.dbo.score
group by striker,batting_team
order by strike_rate desc

```

**\*\*\*\*\* IPL 2022 DATA ANALYSIS\*\*\*\*\***

**1\*\*\*\*every team pts in ipl 2022 \*\*\*\***

```
select
rank() over (order by match_points desc) as ranks,
winner,match_points from
(select winner,(count(winner)*2) as match_points
from
ipl.dbo.match
where season = '2022'
group by winner
)z
```

**2\*\*\*\* team win how many matches with their final pts in ipl 2022 \*\*\*\***

```
select
rank() over (order by match_points desc,win desc) as ranks,
winner,match_points,win from
(select winner,(count(winner)*2) as match_points,count(winner) as win
from
ipl.dbo.match
where season = '2022'
group by winner
)z
```

**3\*\*\*\*highest runs scorer from gujrat titans \*\*\*\***

```
select
striker as batsman,
max(bowling_team) as against,
batting_team as team,
sum(runs_off_bat) as HS
from
ipl.dbo.score
group by striker,batting_team,match_id
having batting_team ='Gujarat Titans'
order by HS desc
```

**4\*\*\*\* highest bowling figures by bowlers of gujrat titans \*\*\*\***

```
select
bowler,
bowling_team,
count(wicket_type) as wks
from
ipl.dbo.score
group by bowler,bowling_team,match_id
having bowling_team = 'gujarat titans'
order by wks desc
```

**5\*\*\*\* best bowling fig by the bowlers of gujrat titans against opponents in ipl 2022 \*\*\*\***

```
select
bowler,
bowling_team,
max(batting_team) as agianst,
concat(count(wicket_type), '-' ,sum(runs_off_bat)) as best
from
ipl.dbo.score
group by bowler,bowling_team,match_id
having bowling_team = 'gujarat titans'
order by best desc
```

**6\*\*\*\* hs wk taker of gujrat team \*\*\*\***

```
select
bowler,
count(wicket_type) as wks
from
ipl.dbo.score
where bowling_team = 'gujarat titans'
group by bowler
order by wks desc
```

**7\*\*\*\*hs run conceded by gujrat team in ipl 2022\*\*\*\***

```
select
batting_team,
max(bowling_team) as VS,
sum(runs_off_bat + extras) as runs,
(case
when sum(runs_off_bat + extras) > 180 then 'awesome'
```

```
when sum(runs_off_bat + extras) between 150 and 179 then 'good'
else 'ok'
end) as performance
from
ipl.dbo.score
where batting_team = 'gujarat titans'
group by batting_team,match_id
order by runs desc
```

**8\*\*\*\*strike rate of gujrat batsmans in ipl 2022 \*\*\*\***

```
select
striker as batsman,
batting_team,
sum(runs_off_bat)/count(ball)*100 as strike_rate
from
ipl.dbo.score
where batting_team = 'gujarat titans'
group by striker,batting_team
order by strike_rate desc
```

**9\*\*\*\*strike rate of**

```
select
bowler,
bowling_team,
ceiling(sum(runs_off_bat)/count(ball)) as eco_rate
from
ipl.dbo.score
where bowling_team = 'gujarat titans'
group by bowler,bowling_team
order by eco_rate
```