



IPL Analysis



Q1 : Total Run BY Player During Tournament In Descending Order

select

Team ,
BatsMan ,
Sum(Runs) as Total_Runs ,
count(*) as inning

from 2_player

group by Team , BatsMan

order by Sum(Runs) desc ;

Team	BatsMan	Total_Runs	inning
RCB	Virat Kohli	741	15
CSK	Ruturaj Gaikwad	583	14
RR	Riyan Parag	573	14
SRH	Travis Head	567	15
RR	Sanju Samson	531	15
GT	Sai Sudharsan	527	12
LSG	K L Rahul	520	14
LSG	Nicholas Pooran	499	14
KKR	Sunil Narine	488	14
SRH	Abhishek Sharma	482	15

Q2 : Top Five Player Based on Maximum Run During Tournament In Descending Order

```
with cte as (  
select  
    dense_rank() over(order by sum(Runs) desc) as rn,  
    Team ,  
    BatsMan ,  
    Sum(Runs) as Total_Runs ,  
    count(*) as inning  
from 2_player  
group by Team , BatsMan )  
select * from cte having rn <= 5 ;
```

rn	Team	BatsMan	Total_Runs	inning
1	RCB	Virat Kohli	741	15
2	CSK	Ruturaj Gaikwad	583	14
3	RR	Riyan Parag	573	14
4	SRH	Travis Head	567	15
5	RR	Sanju Samson	531	15

Q3 : Total 4's By Player(Top 5) During Tournament In Descending Order

with cte as (
select

```
    dense_rank() over(order by sum(Fours) desc) as rn,  
    Team ,  
    BatsMan,  
    Sum(Runs) as Runss ,  
    count(*) as M ,  
    sum(Fours) as 4s
```

```
from 2_player  
group by Team , BatsMan )  
select * from cte where rn <= 5 ;
```

rn	Team	BatsMan	Runss	M	4s
1	SRH	Travis Head	567	15	64
2	RCB	Virat Kohli	741	15	62
3	CSK	Ruturaj Gaikwad	583	14	58
4	RR	Yashasvi Jaiswal	435	15	54
5	KKR	Philip Salt	435	12	50
5	KKR	Sunil Narine	488	14	50

Q4 : Total 6's By Player(Top 5) During Tournament In Descending Order

with cte as (
select

```
    dense_rank() over(order by sum(Sixers) desc) as rn,  
    Team ,  
    BatsMan,  
    Sum(Runs) as Runs ,  
    count(*) as M ,  
    sum(Sixers) as 6s
```

```
from 2_player  
group by Team , BatsMan )  
select * from cte where rn <= 5;
```

rn	Team	BatsMan	Runs	M	6s
1	SRH	Abhishek Sharma	482	15	42
2	RCB	Virat Kohli	741	15	38
2	SRH	Heinrich Klaasen	479	15	38
3	LSG	Nicholas Pooran	499	14	36
4	RCB	Rajat Patidar	395	13	33
4	KKR	Sunil Narine	488	14	33
4	RR	Riyan Parag	573	14	33
5	SRH	Travis Head	567	15	32

Q5 : Total Boundaries By Player(Top 5) During Tournament In Descending Order

with cte as (
select

```
    dense_rank() over(order by sum(Fours)+sum(Sixers) desc) as rn,  
    Team ,  
    BatsMan,  
    Sum(Runs) as Runss ,  
    count(*) as M ,  
    sum(Fours)+sum(Sixers) as Boundaries
```

from 2_player

group by Team , BatsMan)

select * from cte where rn <= 5;

rn	Team	BatsMan	Runss	M	Boundaries
1	RCB	Virat Kohli	741	15	100
2	SRH	Travis Head	567	15	96
3	KKR	Sunil Narine	488	14	83
4	SRH	Abhishek Sharma	482	15	78
5	CSK	Ruturaj Gaikwad	583	14	76

Q6 : Total 4's By Player(Top 5) During Inning In Descending Order

with cte as
select

```
    dense_rank() over(order by Fours desc) as rn ,  
    Team ,  
    batsman ,  
    runs,  
    balls,  
    round(runs / balls *100 , 2) as SR,  
    fours as 4s
```

from 2_player)

select * from cte where rn <= 5 ;

rn	Team	batsman	runs	balls	SR	4s
1	KKR	Philip Salt	89	47	189.36	14
2	KKR	Sunil Narine	109	56	194.64	13
2	LSG	Marcus Stoinis	124	63	196.83	13
3	RCB	Virat Kohli	113	72	156.94	12
3	CSK	Ruturaj Gaikwad	108	60	180.00	12
3	MI	Suryakumar Yadav	102	51	200.00	12
4	RCB	Virat Kohli	77	49	157.14	11
4	MI	Rohit Sharma	105	63	166.67	11
4	SRH	Travis Head	89	32	278.13	11
4	DC	Jake Fraser-McGurk	84	27	311.11	11
5	CSK	Shivam Dube	66	38	173.68	10
5	CSK	Ruturaj Gaikwad	98	54	181.48	10
5	RCB	Faf Du Plessis	64	23	278.26	10
5	MI	Rohit Sharma	68	38	178.95	10

Q7 : Total 6's By Player(Top 3) During Inning In Descending Order

with cte as(
select

 dense_rank() over(order by Sixers desc) as rn ,
 Team ,
 batsman ,
 runs,
 balls,
 round(runs / balls *100 , 2) as SR,
 Sixers as 6s

from 2_player)

select * from cte where rn<=3;

rn	Team	batsman	runs	balls	SR	6s
1	RCB	Will Jacks	100	41	243.90	10
2	PBKS	Jonny Bairstow	108	48	225.00	9
3	SRH	Heinrich Klaasen	63	29	217.24	8
3	SRH	Travis Head	102	41	248.78	8
3	DC	Rishabh Pant	88	43	204.65	8
3	PBKS	Shashank Singh	68	28	242.86	8
3	SRH	Nitish Reddy	76	42	180.95	8
3	SRH	Travis Head	89	30	296.67	8
3	LSG	Nicholas Pooran	75	29	258.62	8

Q8 : Total 50's By Player(Top N) During Inning In Descending Order

```
with cte as (  
  select  
    rank() over(order by count(runs) desc) as rn,  
    team ,  
    batsman,  
    count(Runs) as 50s  
  from 2_player  
  where Runs>=50 and runs<100  
  group by team , BatsMan )  
select * from cte where rn<=5;
```

rn	team	batsman	50s
1	RCB	Virat Kohli	5
1	RR	Sanju Samson	5
1	RCB	Rajat Patidar	5
4	KKR	Philip Salt	4
4	RCB	Faf Du Plessis	4
4	SRH	Heinrich Klaasen	4
4	LSG	K L Rahul	4
4	SRH	Travis Head	4
4	RR	Riyan Parag	4
4	KKR	Venkatesh Iyer	4
4	CSK	Ruturaj Gaikwad	4
4	DC	Jake Fraser-Mc...	4

Q9 : Total 100's By Player(Top N) During Inning In Descending Order

with cte as(
select

rank() over(order by count(runs) desc) as rn,
team ,
batsman,
count(Runs) as 100s

from 2_player

where runs>=100

group by team , BatsMan)

select * from cte where rn <= 5 ;

rn	team	batsman	100s
1	RR	Jos Buttler	2
2	RCB	Virat Kohli	1
2	MI	Rohit Sharma	1
2	SRH	Travis Head	1
2	KKR	Sunil Narine	1
2	RR	Yashasvi Jaiswal	1
2	CSK	Ruturaj Gaikwad	1
2	LSG	Marcus Stoinis	1
2	PBKS	Jonny Bairstow	1
2	RCB	Will Jacks	1
2	MI	Suryakumar Ya...	1
2	GT	Sai Sudharsan	1
2	GT	Shubman Gill	1

Q10 : Highest Run BY Player(Top n) During Tournament In Descending Order (* Means Not_out)

```
with cte as (  
select
```

```
    dense_rank() over(order by runs desc) as rn,
```

```
    team ,
```

```
    batsman,
```

```
    case
```

```
        when OUT_NTOUT="0" then concat(runs,"* / ",balls) else concat(runs," / ",balls)
```

```
    end as Highest_Runs,
```

```
    round(runs / balls * 100 , 2) as SR
```

```
from 2_player)
```

```
select * from cte where rn <= 5 ;
```

rn	team	batsman	Highest_Runs	SR
1	LSG	Marcus Stoinis	124* / 63	196.83
2	RCB	Virat Kohli	113* / 72	156.94
3	KKR	Sunil Narine	109 / 56	194.64
4	CSK	Ruturaj Gaikwad	108* / 60	180.00
4	PBKS	Jonny Bairstow	108* / 48	225.00
5	RR	Jos Buttler	107* / 60	178.33

Q11 : Best Strike Rate During Tournament with 50+ Balls In Descending Order

with cte as (
select

```
    dense_rank() over(order by round(sum(runs) / sum(balls) * 100 , 2 ) desc) as rn,  
    team ,  
    BatsMan,  
    count(*) as M ,  
    Sum(Runs) as Runss ,  
    sum(balls) as Ball ,  
    round(sum(runs) / sum(balls) * 100 , 2 ) as SR,  
    sum(Fours) as 4s,  
    sum(sixers) as 6s
```

from 2_player

group by team , batsman

having sum(balls)>=50)

select * from cte where rn<=5 ;

rn	team	BatsMan	M	Runss	Ball	SR	4s	6s
1	DC	Jake Fraser-Mcgurk	9	330	141	234.04	32	28
2	CSK	M S Dhoni	11	161	73	220.55	14	13
3	SRH	Abhishek Sharma	15	482	232	207.76	36	42
4	KKR	Ramandeep Singh	9	125	62	201.61	5	12
5	SRH	Travis Head	15	567	296	191.55	64	32

Q12 : Average Run BY Player During Tournament In Descending Order

Avg = Total _ Runs / Inning (excluding Not_out inning)

with cte as (
select

```
    dense_rank() over(order by round(Sum(Runs) / sum(out_ntout),2) desc) as rn,  
    Team ,  
    BatsMan ,  
    Sum(Runs) as Total_Runs ,  
    count(*) as inning ,  
    sum(out_ntout) as outt,  
    count(*) - sum(out_ntout) as not_out,  
    round(Sum(Runs) / sum(out_ntout),2) as Avg_run
```

from 2_player

group by Team , BatsMan)

select * from cte where rn <= 5;

rn	Team	BatsMan	Total_Runs	inning	outt	not_out	Avg_run
1	LSG	Nicholas Pooran	499	14	8	6	62.38
2	RCB	Virat Kohli	741	15	12	3	61.75
3	DC	Tristan Stubbs	378	13	7	6	54.00
4	CSK	M S Dhoni	161	11	3	8	53.67
5	CSK	Ruturaj Gaikwad	583	14	11	3	53.00

Q13 : Total Wickets BY Bowler(Top N) During Tournament In Descending Order

with cte as(
select

```
rank() over(order by sum(Wickets) desc) as rn,  
Team ,  
Bowler ,  
count(*) as innings ,  
sum(Wickets) as Wickets ,  
round(sum(runs) / sum(balls) * 6.00 , 2) as Econ
```

```
from 1_bowlerr  
group by team , Bowler)  
select * from cte where rn<=5;
```

rn	Team	Bowler	innings	Wickets	Econ
1	PBKS	Harshal Patel	14	24	9.73
2	KKR	Varun Chakaravarthy	14	21	8.04
3	MI	Jasprit Bumrah	13	20	6.48
4	RR	Avesh Khan	15	19	9.59
4	KKR	Harshit Rana	11	19	9.08
4	KKR	Andre Russell	14	19	10.06
4	PBKS	Arshdeep Singh	14	19	10.03
4	SRH	T Natarajan	14	19	9.06

Q14 : Best Bowling Figures During Tournament In Descending Order

```
select
    Team ,
    Bowler ,
    Overs,
    round(runs / balls * 6.00 , 2) as Econ,
    concat(wickets,"/",runs) as BB
    (select count(*) from 1_bowlerr where bowler = b.bowler and wickets>=3 and Wickets<5) as 3w,
    (select count(*) from 1_bowlerr where bowler = b.bowler and wickets>=5) as 5w
from 1_bowlerr b
order by Wickets desc , runs asc
limit 5 ;
```

Team	Bowler	Overs	Econ	BB	3w	5w
RR	Sandeep Sharma	4	4.50	5/18	0	1
MI	Jasprit Bumrah	4	5.25	5/21	3	1
LSG	Yash Thakur	3.5	7.83	5/30	0	1
SRH	T Natarajan	4	4.75	4/19	2	0
CSK	Tushar Deshpande	3	9.00	4/27	2	0

Q15 : Most Economical Bowlers of Tournament In Descending Order

select

Team ,
Bowler ,
count(*) as innings,
sum(Wickets) as W,
sum(runs) as Runs,
sum(balls) as Balls ,
round((sum(Runs) / sum(Balls) * 6.00),2) as Avgg

from 1_bowlerr

group by Team , Bowler

order by round((sum(Runs) / sum(Balls) * 6.00),2)

limit 5 ;

Team	Bowler	innings	W	Runs	Balls	Avgg
CSK	Rachin Ravindra	2	0	7	12	3.50
PBKS	Shashank Singh	1	1	5	6	5.00
PBKS	Nathan Ellis	1	1	24	24	6.00
MI	Jasprit Bumrah	13	20	336	311	6.48
MI	Nehal Wadhera	1	0	13	12	6.50

Q16 : Purple Cap (Highest Wicket)

```
with cte1 as (  
select      Team, Bowler,  
            count(*) as innings, sum(runs) as R,  
            concat(floor(sum(balls)/6),".",mod(sum(balls),6)) as O,  
            sum(Wickets) as W,  
            round(sum(Runs) / sum(Balls) * 6 , 2) as Econ,  
            sum(Maiden) as Maidens  
  
from 1_bowlerr  
group by Team , bowler  
order by sum(Wickets) desc ) ,  
cte2 as (  
select      batsman , sum(Runs) as R , sum(balls) as Ba,  
            count(balls) as inn_playing ,  
            round(sum(runs)/sum(balls)*100,2) as SR  
  
from 2_player  
group by team , batsman )  
select      a.* , coalesce(b.R,"Not Played") as R,  
            coalesce(b.Ba,"Not Played") as B , coalesce(b.SR,"Not Played") as SR ,  
            coalesce(b.inn_playing,"Not Played") as inn  
  
from cte1 a  
left join cte2 b  
      on a.bowler = b.batsman  
  
limit 5;
```

Team	Bowler	innings	R	O	W	Econ	Maidens	R	B	SR	inning
PBKS	Harshal Patel	14	477	49.0	24	9.73	0	13	19	68.42	4
KKR	Varun Chakaravathy	14	402	50.0	21	8.04	0	Not Played	Not Played	Not Played	Not Played
MI	Jasprit Bumrah	13	336	51.5	20	6.48	0	12	12	100.00	4
RR	Avesh Khan	15	526	54.5	19	9.59	0	10	5	200.00	2
KKR	Harshit Rana	11	383	42.1	19	9.08	1	Not Played	Not Played	Not Played	Not Played

Q17 : Maiden Over

```
with cte1 as (  
  select  
    rank() over(order by sum(Maiden) desc) as rn,  
    Team,  
    Bowler,  
    count(*) as innings,  
    sum(runs) as R,  
    concat(floor(sum(balls)/6),".",mod(sum(balls),6)) as O,  
    sum(Wickets) as W,  
    round(sum(Runs) / sum(Balls) * 6 , 2) as Econ,  
    sum(Maiden) as Maidens  
  from 1_bowlerr  
  group by Team , bowler )  
select * from cte1 where rn<=5 ;
```

rn	Team	Bowler	innings	R	O	W	Econ	Maidens
1	SRH	Bhuvneshwar Kumar	16	533	57.0	11	9.35	2
1	DC	Khaleel Ahmed	14	479	50.0	17	9.58	2
3	LSG	Yash Thakur	10	402	35.3	11	11.32	1
3	CSK	Mustafizur Rahman	9	318	34.2	14	9.26	1
3	KKR	Harshit Rana	11	383	42.1	19	9.08	1
3	SRH	Pat Cummins	16	566	61.0	18	9.28	1
3	SRH	T Natarajan	14	465	51.2	19	9.06	1

Q18 : Total Dot Balls during Tournament

select

Team,
Bowler,
count(*) as innings,
sum(runs) as R,
concat(floor(sum(balls)/6),".",mod(sum(balls),6)) as O,
sum(Wickets) as W,
round(sum(Runs) / sum(Balls) * 6 , 2) as Econ,
sum(Maiden) as Maidens,
Sum(dot_balls) as Dots

from 1_bowlerr

group by Team , bowler

order by sum(Dot_Balls) desc

limit 5 ;

rn	Team	Bowler	innings	R	O	W	Econ	Maidens	Dots
1	MI	Jasprit Bumrah	13	336	51.5	20	6.48	0	149
2	RR	Trent Boult	15	443	53.2	16	8.31	0	137
3	SRH	Bhuvneshwar Kumar	16	533	57.0	11	9.35	2	136
4	DC	Khaleel Ahmed	14	479	50.0	17	9.58	2	130
5	RCB	Mohammed Siraj	14	496	54.0	15	9.19	0	129

Q19 : Most Runs Conceded in inning

```
select
    dense_rank() over(order by runs desc ) as rn,
    Team,
    Bowler,
    overs,
    runs
from 1_bowlerr
Limit 5 ;
```

rn	Team	Bowler	overs	runs
1	GT	Mohit Sharma	4	73
2	RCB	Reece Topley	4	68
2	MI	Luke Wood	4	68
3	MI	Kwena Maphaka	4	66
4	DC	Anrich Nortje	4	65

Q20 : Orange Cap (Highest Runs)

select

```
dense_rank() over(order by sum(runs) desc) as Rn,  
Team , batsman , count(*) as Inning ,  
Sum(OUT_NTOUT) as Outt ,  
count(*) - sum(OUT_NTOUT) as not_out,  
Sum(Runs) as Runs ,  
max(Runs) as Highest_score,  
round( Sum(Runs) / sum(OUT_NTOUT) , 2) as Avgg,  
round(Sum(Runs) / sum(Balls) * 100 , 2 ) as SR ,  
sum(Fours) as 4s , sum(Sixers) as 6s ,  
(select count(*) from 2_player where BatsMan = a.BatsMan and runs>=50 and runs<100) as 50s,  
(select count(*) from 2_player where BatsMan = a.BatsMan and runs>=100) as 100s
```

from 2_player a

group by Team , Batsman

limit 5 ;

Rn	Team	batsman	Inning	Outt	not_out	Runs	Highest_score	Avgg	SR	4s	6s	50s	100s
1	RCB	Virat Kohli	15	12	3	741	113	61.75	154.70	62	38	5	1
2	CSK	Ruturaj Gaikwad	14	11	3	583	108	53.00	141.16	58	18	4	1
3	RR	Riyan Parag	14	11	3	573	84	52.09	149.22	40	33	4	0
4	SRH	Travis Head	15	14	1	567	102	40.50	191.55	64	32	4	1
5	RR	Sanju Samson	15	11	4	531	86	48.27	153.47	48	24	5	0