



IPL[®]



The Indian Premier League (IPL), which features elite cricket players and draws sizable crowds, has become one of the world's most watched cricket competitions. In order to gain insight into player performance, team dynamics, and match outcomes, this project i use MySQL for analyzing data from the last three(2021-2022-2023) IPL seasons.

What is the total number of runs scored by top 10 player in the IPL

```
SELECT batting_summary.batsmanName, SUM(batting_summary.runs) AS  
total_runs  
FROM   batting_summary  
GROUP BY batting_summary.batsmanName  
ORDER BY total_runs  
DESC  
LIMIT 10;
```

	batsmanName	total_runs
▶	ShubmanGill	1851
	FafduPlessis	1831
	RuturajGaikwad	1593
	KLRahul	1516
	JosButtler	1509
	ShikharDhawan	1392
	ViratKohli	1385
	SanjuSamson	1304
	SuryakumarYadav	1225
	GlennMaxwell	1214



Total run scored by batsman and team name in 2021

```
SELECT match_summery.year, players.team, batting_summary.batsmanName,  
SUM(batting_summary.runs) AS total_runs  
FROM match_summery  
JOIN batting_summary ON match_summery.match_id = batting_summary.match_id  
JOIN players ON batting_summary.batsmanName = players.name WHERE year IN (2021 ,  
2022, 2023)  
GROUP BY match_summery.year , players.team , batting_summary.batsmanName  
ORDER BY match_summery.year ASC , SUM(batting_summary.runs)  
DESC LIMIT 50;
```

	year	team	batsmanName	total_runs
▶	2021	CSK	RuturajGaikwad	635
	2021	CSK	FafduPlessis	633
	2021	PK	KLRahul	626
	2021	DC	ShikharDhawan	559
	2021	RCB	GlennMaxwell	513
	2021	RR	SanjuSamson	484
	2021	KKR	ShubmanGill	478
	2021	PK	MayankAgarwal	441
	2021	DC	PrithviShaw	426
	2021	RCB	DevduttPadikkal	411



Average run scored by each players in 2021 2022 2023

```
SELECT match_summery.year, players.name, ROUND(AVG(batting_summary.runs), 2) AS avg_runs
FROM players
JOIN batting_summary ON batting_summary.batsmanName = players.name
JOIN match_summery ON batting_summary.match_id = match_summery.match_id WHERE year IN (2021 , 2022, 2023)
GROUP BY match_summery.year , players.name
HAVING AVG(batting_summary.runs) > 40
ORDER BY match_summery.year ASC , AVG(batting_summary.runs) DESC;
```

	year	name	avg_runs
▶	2021	ChrisLynn	49.00
	2021	KLRahul	48.15
	2022	JosButtler	50.76
	2022	RajatPatidar	47.57
	2022	KLRahul	44.00
	2023	VivrantSharma	69.00
	2023	ShubmanGill	52.35
	2023	FafduPlessis	52.14
	2023	ViratKohli	45.64
	2023	SaiSudharsan	45.25
	2023	DevonConway	44.80
	2023	YashasviJaiswal	44.64
	2023	HeinrichKlaasen	40.73

Players name with total sixes and total fours in year 2021,2022,2023

```
SELECT  players.name,  match_summery.year,  SUM(6s) AS
total_sixs,  SUM(4s) AS total_fours
FROM    batting_summary
JOIN    players ON batting_summary.batsmanName =
players.name
JOIN    match_summery ON batting_summary.match_id =
match_summery.match_id
WHERE   year IN (2021 , 2022, 2023)
GROUP BY players.name , match_summery.year
HAVING SUM(6s) > 20 AND SUM(4s) > 20
ORDER BY match_summery.year ASC , SUM(6s) DESC , SUM(4s)
DESC;
```

	name	year	total_sixs	total_fours
►	KLRahul	2021	30	48
	RuturajGaikwad	2021	23	64
	FafduPlessis	2021	23	60
	GlennMaxwell	2021	21	48
	JosButtler	2022	45	83
	LiamLivingstone	2022	34	29
	KLRahul	2022	30	45
	SanjuSamson	2022	26	43
	QuintondeKock	2022	23	47
	DavidMiller	2022	23	32
	NitishRana	2022	22	29
	DineshKarthik	2022	22	27
	ShimronHetmyer	2022	21	21
	FafduPlessis	2023	36	60
	ShubmanGill	2023	33	85
	GlennMaxwell	2023	31	29
	RuturajGaikwad	2023	30	46
	RinkuSingh	2023	29	31
	SuryakumarYa...	2023	28	65
	MarcusStoinis	2023	27	27
	YashasviJaiswal	2023	26	82
	NicholasPooran	2023	26	26
	HeinrichKlaasen	2023	25	32

Average run score by M S Dhoni in three season's

```
SELECT  match_summery.year,  
        batting_summary.batsmanName,  
        AVG(batting_summary.runs) AS avg_runs  
FROM    batting_summary  
JOIN    match_summery ON batting_summary.match_id =  
        match_summery.match_id  
WHERE   batsmanName = 'Msdhoni'    AND year IN (2021 ,  
2022, 2023)  
GROUP BY match_summery.year ,  
        batting_summary.batsmanName  
ORDER BY match_summery.year ASC ,  
        AVG(batting_summary.runs) DESC;
```

	year	batsmanName	avg_runs
▶	2021	MSDhoni	10.3636
	2022	MSDhoni	19.3333
	2023	MSDhoni	8.6667

What is the total number of wickets taken by each bowler

```
SELECT  bowling_summary.bowlerName,  
        SUM(bowling_summary.wickets) AS total_wickets  
FROM    bowling_summary  
GROUP BY bowling_summary.bowlerName  
ORDER BY total_wickets DESC;
```

	bowlerName	total_wickets
►	MohammedShami	67
	YuzvendraChahal	66
	HarshalPatel	65
	RashidKhan	62
	AveshKhan	47
	KagisoRabada	45
	ArshdeepSingh	45
	VarunChakravarthy	44
	ShardulThakur	43
	TrentBoult	42
	RaviBishnoi	41
	MohammedSiraj	39
	RavindraJadeja	37
	SunilNarine	36
	JaspitBumrah	36
	RahulChahar	35
	AndreRussell	35
	WaninduHasaranga	35
	JoshHazlewood	34
	JasonHolder	34
	BhuvneshwarKumar	34
	RavichandranAshwin	33
	AnrichNortje	31

Who are the top 10 wicket-takers in the 2021 seasons bowler name with total wickets

```
SELECT  bowling_summary.bowlerName,  match_summery.year,
SUM(bowling_summary.wickets) AS total_wickets
FROM    bowling_summary
JOIN    match_summery ON bowling_summary.match_id =
match_summery.match_id
WHERE   year IN (2021 , 2022, 2023)
GROUP BY bowling_summary.bowlerName , match_summery.year
ORDER BY match_summery.year ASC , SUM(bowling_summary.wickets)
DESC LIMIT 10;
```

	bowlerName	year	total_wickets
►	HarshalPatel	2021	32
	JaspritBumrah	2021	21
	ShardulThakur	2021	21
	AveshKhan	2021	21
	MohammedShami	2021	19
	ArshdeepSingh	2021	18
	VarunChakravarthy	2021	18
	YuzvendraChahal	2021	18
	SunilNarine	2021	16
	JasonHolder	2021	16

Average strike rate of all teams

```
SELECT players.team, match_summery.year, ROUND(AVG(batting_summary.SR),
2) AS avg_striker_rate
FROM players
JOIN batting_summary ON players.name = batting_summary.batsmanName
JOIN match_summery ON batting_summary.match_id = match_summery.match_id
WHERE year IN (2021 , 2022, 2023)
GROUP BY players.team , match_summery.year
ORDER BY match_summery.year ASC , AVG(batting_summary.SR) DESC;
```

	team	year	avg_striker_rate
▶	CSK	2021	126.1
	DC	2021	122.03
	KKR	2021	108.93
	MI	2021	104.3
	PK	2021	103.92
	SRH	2021	102.96
	RCB	2021	102.29
	RR	2021	99.47
	RR	2022	128.85
	DC	2022	124.77
	RCB	2022	116.05
	KKR	2022	115.58
	PK	2022	115.32
	LSG	2022	114.43
	MI	2022	108.97
	SRH	2022	103.8
	GT	2022	101.06
	CSK	2022	100.89
	CSK	2023	128.85
	LSG	2023	123.64
	RR	2023	123.63
	MI	2023	122.88
	SRH	2023	120.08
	RCB	2023	118.32

How many matches won by each team

```
SELECT match_summery.winner, COUNT(*) AS  
total_win  
FROM match_summery  
GROUP BY match_summery.winner;
```

	winner	total_win
►	CSK	25
	KKR	21
	RCB	25
	MI	20
	PK	19
	SRH	13
	DC	21
	RR	22
	GT	23
	LSG	17

how many matches win by each team and run or wicket in three seasons

```
SELECT match_summery.year,  
match_summery.won_by,  
match_summery.winner,  
COUNT(match_summery.winner)  
FROM match_summery  
WHERE year IN (2021 , 2022, 2023)  
GROUP BY match_summery.year ,  
match_summery.won_by ,  
match_summery.winner  
ORDER BY match_summery.year ASC ,  
COUNT(match_summery.winner) DESC;
```

	year	won_by	winner	COUNT(match_summery.winner)
▶	2021	wicket	DC	8
	2021	wicket	KKR	7
	2021	wicket	CSK	6
	2021	run	CSK	5
	2021	run	RCB	5
	2021	wicket	RCB	4
	2021	wicket	MI	4
	2021	run	MI	3
	2021	wicket	PK	3
	2021	wicket	RR	3
	2021	run	PK	3
	2021	run	KKR	2
	2021	wicket	SRH	2
	2021	run	RR	2
	2021	run	SRH	1
	2021	run	DC	1

	year	won_by	winner	COUNT(match_summery.winner)
	2021	run	DC	1
	2022	wicket	GT	8
	2022	run	wicket	7
	2022	run	RR	7
	2022	wicket	SRH	5
	2022	run	RCB	5
	2022	wicket	KKR	4
	2022	run	PK	4
	2022	wicket	DC	4
	2022	wicket	RCB	4
	2022	run	GT	4
	2022	wicket	RR	3
	2022	wicket	PK	3
	2022	wicket	MI	3
	2022	run	DC	3
	2022	run	CSK	3
	year	won_by	winner	COUNT(match_summery.winner)
	2022	run	CSK	3
	2022	run	KKR	2
	2022	wicket	LSG	2
	2022	run	SRH	1
	2022	run	MI	MI
	2022	wicket	CSK	1
	2023	run	CSK	6
	2023	wicket	GT	6
	2023	wicket	MI	6
	2023	run	GT	5
	2023	run	LSG	5
	2023	run	RCB	5
	2023	wicket	CSK	4
	2023	run	PK	4
	2023	run	RR	4
	2023	run	MI	3
	2023	wicket	RR	MI
	2023	run	DC	3
	2023	wicket	KKR	3
	2023	wicket	LSG	3
	2023	run	KKR	3
	2023	wicket	RCB	2
	2023	wicket	SRH	2
	2023	wicket	DC	2
	2023	wicket	PK	2
	2023	run	SRH	2



THANK YOU