



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.nameWHERE 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)

DESCLIMIT 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_idWHERE year IN (2021, 2022, 2023)

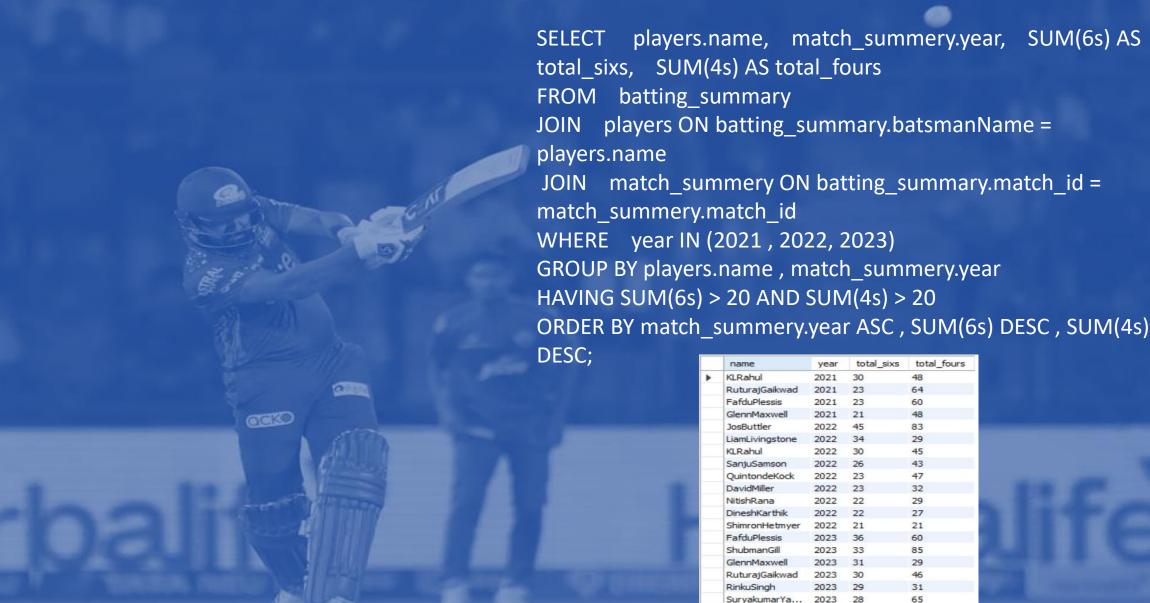
GROUP BY match_summery.year, players.name

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



26

2023

HeinrichKlaasen

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



	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
	JaspritBumrah	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



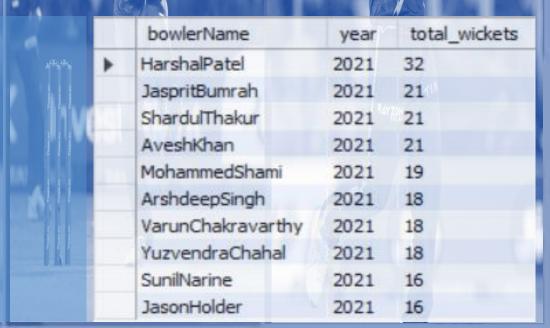
SELECT bowling_summary.bowlerName, match_summery.year, SUM(bowling_summary.wickets) AS total_wickets
FROM bowling_summary

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)

DESCLIMIT 10;



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

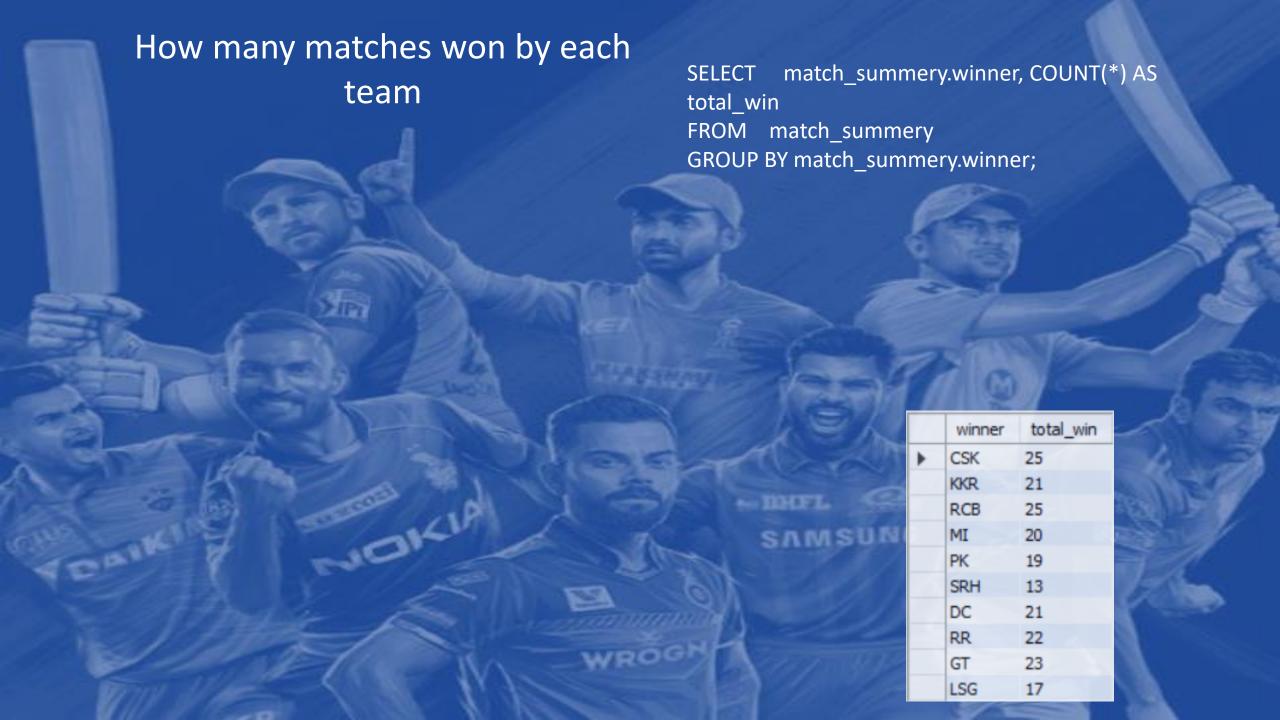
JOIN match_summery ON batting_summary.match_id = match_summery.match_id

WHERE year IN (2021, 2022, 2023)

GROUP BY players.team , match_summery.year

ORDER BY match_summery.year ASC , AVG(batting_summary.SR) DESC;

			avg_striker_rate
-		2021	
	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 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 v	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		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	5
	2023	run	GT 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
	2020	·	Ord 1	

THANK YOU