IPL 2022 ANALYSIS

(Used Advanced Queries including nested joins, CTE, sub-query)

```
create database ipl_2022;
select * from ipl_ball_by_ball_2022;
select * from ipl_matches_2022;
```

1. What is the percentage of wins of each team?

```
with team_win as (select WinningTeam ,count(*) as no_of_win
from ipl_matches_2022
where WinningTeam is not NULL
group by 1
),
total_matches as ( select Team, COUNT(*) as total_matches
from (
    select Team1 as Team from ipl_matches_2022
    union all
    select Team2 as Team from ipl_matches_2022
) as AllTeams
group by 1
)
select w.WinningTeam, w.no_of_win, m.total_matches,
round((w.no_of_win*100/m.total_matches),2) as perc
from total_matches m
inner join team_win w
on w.WinningTeam = m.Team
group by 1,2,3
order by perc desc;
```

WinningTeam	no_of_win	total_matches	perc
Gujarat Titans	12	16	75.00
Lucknow Super Giants	9	15	60.00
Rajasthan Royals	10	17	58.82
Royal Challengers Bangalore	9	16	56.25
Delhi Capitals	7	14	50.00
Punjab Kings	7	14	50.00
Sunrisers Hyderabad	6	14	42.86
Kolkata Knight Riders	6	14	42.86
Chennai Super Kings	4	14	28.57
Mumbai Indians	4	14	28.57

2. Which venue results in a win for Batting first team and vice versa?

```sql
select Venue, WinningTeam
from ipl_matches_2022
where WonBy = 'Runs' and WonBy is not null;
```

Venue	WinningTeam
Eden Gardens, Kolkata	Royal Challengers Bangalore
Dr DY Patil Sports Academy, Mumbai	Lucknow Super Giants
Wankhede Stadium, Mumbai	Sunrisers Hyderabad
Dr DY Patil Sports Academy, Mumbai	Delhi Capitals
Brabourne Stadium, Mumbai	Rajasthan Royals
Maharashtra Cricket Association Stadium, Pune	Kolkata Knight Riders
Brabourne Stadium, Mumbai	Punjab Kings
Maharashtra Cricket Association Stadium, Pune	Gujarat Titans
Dr DY Patil Sports Academy, Mumbai	Kolkata Knight Riders
Dr DY Patil Sports Academy, Mumbai	Chennai Super Kings
Wankhede Stadium, Mumbai	Royal Challengers Bangalore
Maharashtra Cricket Association Stadium, Pune	Lucknow Super Giants

3. Who is the most consistent batsman and bowler in each team and also in the entire league?

-- BATSMAN PERFORMANCE

```
with batsman as (select batter, sum(batsman_run) as
total_run_score
from ipl_ball_by_ball_2022
group by 1
),
team as (select BattingTeam, batter from
ipl_ball_by_ball_2022),
max_score as (select t.battingTeam, max(total_run_score) as
max_run
from batsman b
inner join team t
on b.batter = t.batter
group by 1)
select ms.battingTeam, b.batter, ms.max_run
from max_score ms
inner join batsman b
on ms.max_run = b.total_run_score;
```

battingTeam	batter	max_run
Rajasthan Royals	JC Buttler	863
Gujarat Titans	HH Pandya	487
Royal Challengers Bangalore	F du Plessis	468
Lucknow Super Giants	KL Rahul	616
Sunrisers Hyderabad	Abhishek Sharma	426
Punjab Kings	S Dhawan	460
Delhi Capitals	DA Warner	432
Mumbai Indians	Ishan Kishan	418
Chennai Super Kings	RD Gaikwad	368
Kolkata Knight Riders	SS Iyer	401

-- BOWLER PERFORMANCE

```
with ipl as (select ibb.bowler, sum(isWicketDelivery) as
no_of_wicket,
case
when im.Team1 = ibb.BattingTeam then im.Team2
else im.Team1 end as bowlingTeam
from ipl_matches_2022 im
inner join ipl_ball_by_ball_2022 ibb
on im.id = ibb.id
group by 1,3),
team_wickets as (select bowlingTeam, max(no_of_wicket) as
max_wicket from ipl group by 1)
select i.bowlingTeam, i.bowler, w.max_wicket
from ipl i
inner join team_wickets w
on i.no_of_wicket = w.max_wicket and i.bowlingTeam =
w.bowlingTeam
order by max_wicket desc;
```

bowlingTeam	bowler	max_wicket
Rajasthan Royals	YS Chahal	29
Royal Challengers Bangalore	PWH de Silva	27
Punjab Kings	K Rabada	23
Sunrisers Hyderabad	Umran Malik	23
Gujarat Titans	Mohammed Shami	21
Delhi Capitals	Kuldeep Yadav	21
Kolkata Knight Riders	AD Russell	21
Lucknow Super Giants	Avesh Khan	19
Chennai Super Kings	DJ Bravo	17
Mumbai Indians	JJ Bumrah	16

4. Who wins the most "*player of the matches*" in the tournament?

```
select *
from (select Player_of_Match, count(Player_of_Match) as
no_of_pom
from ipl_matches_2022
group by 1) pom
order by no_of_pom desc
limit 1;
```

Player_of_Match	no_of_pom
Kuldeep Yadav	4

5. Who is the most valuable player after every match day?

```
select MatchNumber, Player_of_Match
from ipl_matches_2022;
```

MatchNumber	Player_of_Match
Final	HH Pandya
Qualifier 2	JC Buttler
Eliminator	RM Patidar
Qualifier 1	DA Miller
70	Harpreet Brar
69	JJ Bumrah
68	R Ashwin
67	V Kohli
66	Q de Kock
65	RA Tripathi
64	SN Thakur
63	TA Boult

6. Who has the strike rate more than 150 r/b in each team?

```
select BattingTeam,batter,sum(batsman_run) as run_scored,
count(ballnumber) as ball,
round((sum(batsman_run)*100/count(ballnumber)),2) as
strike_rate
from ipl_ball_by_ball_2022
group by 1,2
having strike_rate > 150;
```

BattingTeam	batter	run_scored	ball	strike_rate
Rajasthan Royals	OC McCoy	8	5	160.00
Royal Challengers Bangalore	GJ Maxwell	301	184	163.59
Royal Challengers Bangalore	KD Karthik	330	188	175.53
Lucknow Super Giants	M Vohra	19	12	158.33
Sunrisers Hyderabad	RA Tripathi	413	271	152.40
Punjab Kings	LS Livingstone	437	261	167.43
Punjab Kings	JM Sharma	234	149	157.05
Punjab Kings	PN Mankad	4	1	400.00
Mumbai Indians	TH David	186	91	204.40
Gujarat Titans	Rashid Khan	91	44	206.82
Kolkata Knight Riders	AD Russell	335	200	167.50
Kolkata Knight Riders	SP Narine	71	40	177.50

7. Number of Game Played by each Player

```
select batter,count(distinct id) as match_played
from ipl_ball_by_ball_2022
group by 1
order by match_played desc;
```

batter	match_played
D Padikkal	17
JC Buttler	17
SV Samson	17
DA Miller	16
F du Plessis	16
KD Karthik	16
Shubman Gill	16
V Kohli	16
HH Pandya	15
Q de Kock	15
SO Hetmyer	15

8. Best score by each batter in IPL 2022

```
with run as (select batter, id, sum(batsman_run) as run
from ipl_ball_by_ball_2022
group by 1,2)
select batter, max(run) as best
from run
group by 1;
```

batter	best
YBK Jaiswal	68
JC Buttler	116
SV Samson	55
D Padikkal	54
SO Hetmyer	59
R Ashwin	50
R Parag	56
TA Boult	17
OC McCoy	8
WP Saha	68
Shubman Gill	96
MS Wade	35

9. MOST BOUNDARIES by players each team

```
with batsman as (select batter, count(batsman_run) as
total_boundaries
from ipl_ball_by_ball_2022
where batsman_run in (4,6)
group by 1
),
team as (select BattingTeam, batter from
ipl_ball_by_ball_2022),
max_boundaries as (select t.battingTeam,
max(total_boundaries) as max_run
from batsman b
inner join team t
on b.batter = t.batter
group by 1)
select ms.battingTeam, b.batter, ms.max_run
from max_boundaries ms
inner join batsman b
on ms.max_run = b.total_boundaries;
```

battingTeam	batter	max_run
Rajasthan Royals	JC Buttler	129
Gujarat Titans	Shubman Gill	62
Royal Challengers Bangalore	Shubman Gill	62
Chennai Super Kings	WP Saha	47
Gujarat Titans	F du Plessis	62
Royal Challengers Bangalore	F du Plessis	62
Lucknow Super Giants	KL Rahul	75
Sunrisers Hyderabad	Abhishek Sharma	60
Sunrisers Hyderabad	RA Tripathi	60
Punjab Kings	LS Livingstone	63
Chennai Super Kings	PP Shaw	47
Delhi Capitals	DA Warner	67
Mumbai Indians	Ishan Kishan	56
Kolkata Knight Riders	SS Iyer	52
Chennai Super Kings	RD Gaikwad	47