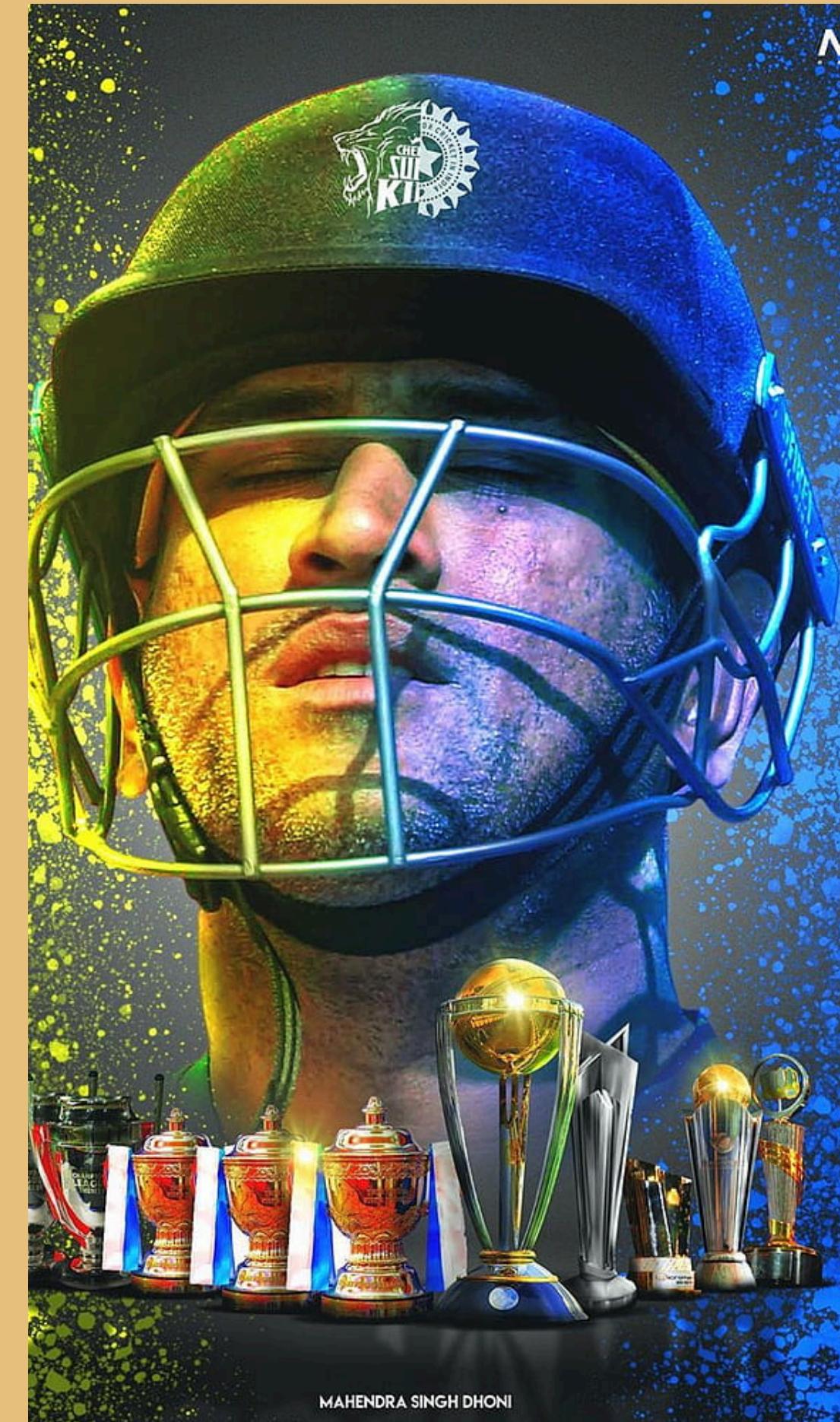




Introduction to the Thrilling IPL Analysis using SQL

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Dive into our IPL Analysis PowerPoint presentation, fueled by SQL insights. Explore match data, player performances, and team strategies. Uncover hidden patterns and trends shaping IPL outcomes. Join us as we unveil the secrets behind cricket success through data-driven analysis. Let's navigate the world of IPL with SQL precision!



WHAT ARE THE TOP 5 PLAYERS WITH THE MOST PLAYER OF THE MATCH AWARDS?

```
SELECT  
    player_of_match, COUNT(*) AS awards_count  
FROM  
    matches  
GROUP BY 1  
ORDER BY 2 DESC  
LIMIT 5
```

player_of_match	awards_count
YK Pathan	5
SE Marsh	5
SR Watson	4
BA Stokes	3
NM Coulter-Nile	3

HOW MANY MATCHES WERE WON BY EACH TEAM IN EACH SEASON?

SELECT

 season, winner, COUNT(*) AS matches_won

FROM

 matches

GROUP BY 1 , 2

season	winner	matches_won
2017	Sunrisers Hyderabad	8
2017	Rising Pune Supergiant	10
2017	Kolkata Knight Riders	9
2017	Kings XI Punjab	7
2017	Royal Challengers Bangalore	3

WHAT IS THE AVERAGE STRIKE RATE OF BATSMEN IN THE IPL DATASET?

```
SELECT  
    AVG(strike_rate) AS average_strike_rate  
FROM  
    (SELECT  
        batsman, SUM(total_runs) / COUNT(ball) * 100 AS strike_Rate  
    FROM  
        deliveries  
    GROUP BY batsman) AS batsman_stats;
```

average_strike_rate
113.73738442

WHAT IS THE NUMBER OF MATCHES WON BY EACH TEAM BATTING FIRST VERSUS BATTING SECOND?

```
SELECT  
    batting_first, COUNT(*) AS matches_won  
FROM  
    (SELECT  
        CASE  
            WHEN win_by_runs > 0 THEN team1  
            ELSE team2  
        END AS batting_first  
    FROM  
        matches  
    WHERE  
        winner <> 'Tie') AS batting_first_teams  
GROUP BY 1
```

batting_first	matches_won
Sunrisers Hyderabad	8
Rising Pune Supergiant	10
Kolkata Knight Riders	17
Kings XI Punjab	18
Royal Challengers Bangalore	8

WHICH BATSMAN HAS THE HIGHEST STRIKE RATE (MINIMUM 200 RUNS SCORED)?

```
SELECT  
    batsman, SUM(total_runs) / COUNT(ball) * 100 AS strike_Rate  
FROM  
    deliveries  
GROUP BY batsman  
HAVING SUM(total_runs) >= 200  
ORDER BY strike_Rate desc  
LIMIT 1;
```

batsman	strike_Rate
V Sehwag	187.5000

HOW MANY TIMES HAS EACH BATSMAN BEEN DISMISSED BY THE BOWLER 'MALINGA'?

SELECT

batsman, COUNT(*) AS total_dissmial

FROM

deliveries

WHERE

bowler LIKE 'SL MALINGA'

AND player_dismissed like '% %'

GROUP BY 1

batsman	total_dissmial
SA Yadav	1
CR Woakes	1
V Shankar	1
BB McCullum	2

-- WHAT IS THE AVERAGE PERCENTAGE OF BOUNDARIES (FOURS AND SIXES COMBINED) HIT BY EACH BATSMAN?

```
SELECT  
    batsman,  
    AVG(CASE  
        WHEN batsman_runs = 4 OR batsman_runs = 6 THEN 1  
        ELSE 0  
    END) * 100 AS avg_perc_boundary  
FROM  
    deliveries  
GROUP BY batsman
```

batsman	avg_perc_boundary
DA Warner	19.2641
S Dhawan	14.8611
MC Henriques	15.0235

-- WHAT IS THE AVERAGE NUMBER OF BOUNDARIES HIT BY EACH TEAM IN EACH SEASON?

```
SELECT
    season, batting_team, AVG(fours + sixes) AS avg_boundaries
FROM
    (SELECT
        season,
        match_id,
        batting_team,
        SUM(CASE
            WHEN batsman_runs = 4 THEN 1
            ELSE 0
        END) AS fours,
        SUM(CASE
            WHEN batsman_runs = 6 THEN 1
            ELSE 0
        END) AS sixes
    FROM
        deliveries, matches
    WHERE
        deliveries.match_id = matches.id
    GROUP BY season , match_id , batting_team) AS team_boundaries
GROUP BY season , batting_team;
```

season	batting_team	avg_boundaries
2017	Sunrisers Hyderabad	20.7143
2017	Royal Challengers Bangalore	16.0000
2017	Mumbai Indians	20.1765
2017	Rising Pune Supergiant	17.8750
2017	Gujarat Lions	22.1429

HOW MANY EXTRAS (WIDES & NO-BALLS) WERE BOWLED BY EACH TEAM IN EACH MATCH?

```
select m.id as match_no, d.bowling_team, sum(d.extra_runs) as extras  
from matches m  
join deliveries d  
on m.id = d.match_id  
where extra_runs > 0  
group by 1,2;
```

match_no	bowling_team	extras
1	Royal Challengers Bangalore	7
1	Sunrisers Hyderabad	6
2	Rising Pune Supergiant	8
2	Mumbai Indians	4
3	Kolkata Knight Riders	4

WHICH BOWLER HAS THE BEST BOWLING FIGURES (MOST WICKETS TAKEN) IN A SINGLE MATCH?

```
select m.id as match_no, bowler, count(*) as wickets_taken
from matches m
join deliveries d
on m.id = d.match_id
where d.player_dismissed like '% %'
group by 1,2
order by 3 desc
limit 1
```

match_no	bowler	wickets_taken
83	Sohail Tanvir	6

HOW MANY MATCHES RESULTED IN A WIN FOR EACH TEAM IN EACH CITY?

```
select m.city,  
       case when m.team1 = m.winner then m.team1  
             when m.team2=m.winner then m.team2  
             else 'draw' end as winning_team, count(*) as wins  
  from matches m  
 join deliveries d  
 on m.id=d.match_id  
where m.result <> 'Tie'  
group by m.city , winning_team
```

city	winning_team	wins
Hyderabad	Sunrisers Hyderabad	1443
Pune	Rising Pune Supergiant	1152
Rajkot	Kolkata Knight Riders	218
Indore	Kings XI Punjab	459

HOW MANY TIMES DID EACH TEAM WIN THE TOSS IN EACH SEASON?

```
select season, toss_winner, count(*) as toss_wins  
from matches  
group by 1,2
```

season	toss_winner	toss_wins
2017	Royal Challengers Bangalore	9
2017	Rising Pune Supergiant	6
2017	Kolkata Knight Riders	9
2017	Kings XI Punjab	4
2017	Sunrisers Hyderabad	5

HOW MANY MATCHES DID EACH PLAYER WIN THE "PLAYER OF THE MATCH" AWARD?

```
select player_of_match, count(*) as total_wins  
from matches  
where player_of_match like '% %'  
group by 1  
order by 2 desc
```

player_of_match	total_wins
YK Pathan	5
SE Marsh	5
SR Watson	4
BA Stokes	3
NM Coulter-Nile	3

WHICH TEAM HAS THE HIGHEST TOTAL SCORE IN A SINGLE MATCH?

```
select m.season, m.id as match_no, d.batting_team,  
sum(d.total_runs) as total_score from matches m  
join deliveries d  
on m.id=d.match_id  
group by 1,2,3  
order by 4 desc  
limit 1
```

season	match_no	batting_team	total_score
2008	61	Chennai Super Kings	240

WHICH BATSMAN HAS SCORED THE MOST RUNS IN A SINGLE MATCH?

```
select m.id as match_no, d.batsman, sum(d.total_runs) as most_runs  
from matches m  
join deliveries d  
on m.id=d.match_id  
group by 1,2  
order by 3 desc  
limit 1
```

match_no	batsman	most_runs
60	BB McCullum	169

As we wrap up our IPL Analysis report, SQL has revealed crucial insights into cricket dynamics. From match strategies to player performances, our data-driven approach uncovers the essence of IPL success. Let's celebrate data-driven victories! 🎉📊



Thank You!

