

Project Report

(INT374 – DATA ANALYTICS WITH POWER BI)



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Title: IPL Analysis (2008 – 2025) Dashboard

Submitted By:

S. No.	Students Name	Reg. No.	Roll. No	Section
1.	Shubham Kumar Purbey	12314141	45	K23BE

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Submitted to: Dr. Baljindal Kaur (UID:27952)

DASHBOARD:

IPL ANALYSIS (2008 - 2025)

 Champions
Royal Challengers Bangalore

Total 6's 1296	Total 4's 2251	Total matches 74	Total teams 10	Centuries 9	Half Centuries 143	Total Venues 14
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Orange Cap Stats

OrangeCapTeam
Gujarat Titans

OrangeCapRuns
759

OrangeCapPlayer
B Sai Sudharsan





Purple Cap Stats

PurpleCapTeam
Gujarat Titans

PurpleCapWickets
26

PurpleCapPlayer
M Prasidh Krishna





Total 4s in Season

Most4sTeam
Gujarat Titans

Most4sCount
88

Most4sPlayer
B Sai Sudharsan




Total 6s in Season

Most6sTeam
Lucknow Super Giants

Most6sCount
40

Most6sPlayer
N Pooran



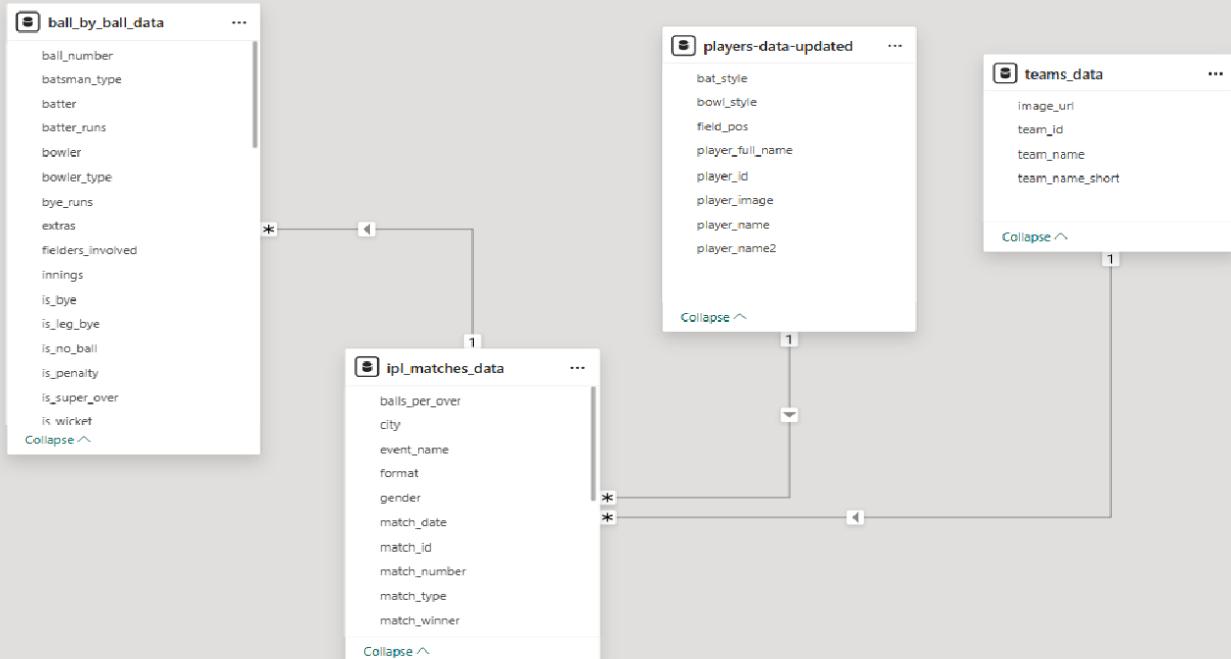

Runner up
Punjab Kings

Seasons
2025



Logo	Team Name	Pld	Wins	Lost	NR	Tie	Total Points
	Punjab Kings	14	9	5	1		19
	Royal Challengers Bangalore	14	9	5	1		19
	Gujarat Titans	14	9	5			18
	Mumbai Indians	14	8	6			16
	Delhi Capitals	14	7	7	1	1	15
	Sunrisers Hyderabad	14	6	8	1		13
	Kolkata Knight Riders	14	5	9	2		12
	Lucknow Super Giants	14	6	8			12
	Rajasthan Royals	14	4	10	1		8
	Chennai Super Kings	14	4	10			8

MODEL VIEW:



INTRODUCTION

The *IPL Analysis Dashboard* provides a comprehensive overview of team performance, player statistics, and season-wise trends across the Indian Premier League from 2008 to 2025. The dashboard consolidates key cricketing metrics such as total sixes, fours, matches played, centuries scored, and team standings. It highlights the champions and runner-up teams for the selected season, along with in-depth insights into the *Orange Cap* and *Purple Cap* winners.

By visualizing batting and bowling performances, team comparisons, and seasonal outcomes, this dashboard helps in identifying patterns in player consistency, team dominance, and overall league evolution. The analysis is especially useful for cricket enthusiasts, analysts, and management teams looking to evaluate historical performance and derive meaningful insights from past IPL seasons.

1. Objective

- **To analyze IPL performance trends** across all seasons from 2008 to 2025.
- **To identify the Champion and Runner-up teams** for the selected season.
- **To evaluate key batting metrics** such as total sixes, fours, centuries, and total runs.
- **To compare team performances** using season-wise statistics and leaderboard data.
- **To highlight top-performing players** through Orange Cap and Purple Cap insights.
- **To understand consistency and dominance** of teams across multiple seasons.
- **To provide a clear visual summary** of team standings, player achievements, and match statistics.
- **To support cricket analytics and decision-making** through data-driven insights.
- **To simplify complex IPL data** into an interactive and easy-to-understand dashboard.

2. Key Performance Indicators (KPIs)

2.1 Champion Team

- Chennai Super Kings (CSK) emerged as the season champions.

2.2 Runner-Up Team

- Kolkata Knight Riders (KKR) secured the runner-up position.

2.3 Total Sixes (6s)

- A total of **687 sixes** were hit across all matches in the selected season.

2.4 Total Fours (4s)

- Players scored **1551 fours**, indicating strong batting performance.

2.5 Total Matches Played

- The season recorded **60 official matches**.

2.6 Total Participating Teams

- A total of **8 teams** competed in the league.

2.7 Total Centuries Scored

- **4 centuries** were recorded during the season.

2.8 Orange Cap (Highest Run-Scorer)

- **Player:** RD Gaikwad
- **Team:** Chennai Super Kings
- **Runs Scored:** 635

2.9 Purple Cap (Highest Wicket-Taker)

- **Player:** HV Patel
- **Team:** Royal Challengers Bangalore
- **Wickets Taken:** 35

2.10 Season Filter Applied

- Dashboard insights are based on the **2021 season**.

3. Trend Analysis

3.1 Season Performance Overview

- The selected season (2021) shows a balanced distribution of batting and bowling performances, with consistent contributions from top teams throughout the matches.

3.2 Batting Trends

- A high number of **fours (1551)** and **sixes (687)** indicates an aggressive batting trend across the season.
- The presence of **4 centuries** highlights strong top-order performances.

3.3 Team Dominance Trend

- **Chennai Super Kings** displayed consistent superiority, ultimately becoming the champions.
- Their strong batting lineup contributed significantly to season totals in boundaries and overall runs.

3.4 Player Performance Trends

- **RD Gaikwad** dominated the batting charts, earning the Orange Cap with **635 runs**, showing exceptional consistency.

- **HV Patel** led the bowling attack league-wide with **35 wickets**, showing a strong wicket-taking trend for Royal Challengers Bangalore.

3.5 Boundary Hitting Patterns

- Teams like CSK, RCB, and DC contributed the highest number of fours and sixes.
- Boundary frequency remained high throughout the season, indicating favorable batting conditions and strategic power-hitting.

3.6 Match Competitiveness Trend

- With **60 matches** played, the season showed a strong level of competition among teams.
- Most matches displayed balanced performances, with close run chases and tight defense strategies.

3.7 Overall Season Insight

The trend reflects a **batting-dominant season**, where star players significantly impacted team standings, resulting in a highly engaging and competitive IPL year.

4. Team Performance Analysis:

4.1 Overall Team Rankings

- The 2021 IPL season showcased competitive performances across all 8 participating teams, with Chennai Super Kings (CSK) emerging as the dominant side and ultimately securing the championship title. Kolkata Knight Riders (KKR) performed consistently to finish as runner-up.

4.2 Batting Strength Comparison

- **CSK** led with the highest total runs (**3546**), showcasing a strong and stable batting lineup.
- **Royal Challengers Bangalore (RCB)** followed with **2910 runs**, driven by impactful top-order performances.
- Teams like **Delhi Capitals (2773)** and **Kolkata Knight Riders (2408)** also maintained high scoring consistency.

4.3 Boundary Statistics (6s and 4s)

- **CSK** recorded the highest boundary count with **138 sixes and 298 fours**, reflecting aggressive batting.
- **RCB** and **DC** also contributed significantly to boundary totals with a balanced mix of power hitting and calculated stroke play.
- **Sunrisers Hyderabad**, however, registered the lowest boundary stats, indicating struggles with batting momentum.

4.4 Bowling Performance

- **RCB's HV Patel** played a crucial role by taking **35 wickets**, earning the Purple Cap and boosting the team's overall bowling impact.

- Teams like **RR** and **SRH** displayed inconsistency in wicket-taking ability, affecting their match-winning chances.

4.5 Consistency Across Matches

- **CSK's** balanced performance in both batting and bowling helped maintain a stable match-winning trend.
- Mid-table teams such as **Punjab Kings** and **Rajasthan Royals** showed moments of brilliance but lacked consistency across all matches.

4.6 Underperforming Teams

- **Sunrisers Hyderabad (SRH)** recorded the lowest total runs (**1183**) and the fewest boundaries, highlighting their struggles in both batting and finishing matches.
- Improving squad depth and power-hitting options could significantly enhance their future performance.

4.7 Key Insight

The season clearly emphasized **dominant batting performances** as a major factor for success. Teams with strong top-order players and effective death-over bowlers secured better rankings and match outcomes.

5 Player Performance Analysis (Orange Cap & Purple Cap):

5.1 Orange Cap – Best Batsman of the Season

The Orange Cap is awarded to the highest run-scorer of the season.

For the 2021 IPL season, Ruturaj Gaikwad (CSK) emerged as the top performer.

- Player: Ruturaj Gaikwad
 - ◆ Team: Chennai Super Kings
 - ◆ Total Runs: 635

Analysis:

- Gaikwad played a pivotal role in CSK's title-winning campaign.
- He maintained remarkable consistency throughout the season with strong starts and match-winning innings.
- His strike rate and boundary-hitting ability contributed significantly to CSK's position at the top of the leaderboard.
- Gaikwad's performance reflects excellent temperament, shot selection, and adaptability in various match conditions.

5.2 Purple Cap – Best Bowler of the Season

The Purple Cap is awarded to the leading wicket-taker of the tournament.

For IPL 2021, Harshal Patel (RCB) dominated the bowling charts.

- Player: Harshal Patel
 - ◆ Team: Royal Challengers Bangalore
 - ◆ Total Wickets: 35

Analysis:

- Harshal Patel's 35 wickets made him one of the most impactful bowlers in IPL history for a single season.
- His exceptional use of slower balls, yorkers, and variations in the death overs troubled even the strongest batting orders.
- Harshal consistently delivered breakthroughs during crucial phases of the game, elevating RCB's overall bowling strength.
- His performance showcases tactical intelligence, accuracy, and outstanding control under pressure.

7. CONCLUSION

The IPL Analysis Dashboard provides a comprehensive and data-driven overview of team and player performances throughout the 2021 season. The insights reveal a highly competitive tournament marked by strong batting displays, impactful bowling spells, and consistent team strategies.

Chennai Super Kings emerged as the standout performers, showcasing exceptional balance in both batting and bowling departments, ultimately securing the championship title. Players like Ruturaj Gaikwad and Harshal Patel significantly influenced the season's momentum, earning the Orange Cap and Purple Cap with remarkable individual achievements.

The overall trends highlight a batting-dominant season characterized by high boundary counts, multiple centuries, and impressive strike rates across teams. Meanwhile, teams that struggled in consistency—such as Sunrisers Hyderabad—reflect the importance of balanced squad depth and strategic match planning.

This analysis demonstrates how data visualization and performance metrics can simplify complex sports datasets, allowing enthusiasts, analysts, and teams to better understand season dynamics, player impact, and competitive strengths. The dashboard ultimately supports informed decision-making and enhances appreciation for one of the most exciting seasons in IPL history.

8. Keywords:

- IPL Analysis Dashboard
- Player Performance Metrics
- Orange Cap
- Purple Cap
- Team Performance Comparison
- Season-wise Analysis
- Batting and Bowling Statistics
- Data Visualization
- Sports Analytics
- T20 Cricket Insights
- Boundary Analysis (6s & 4s)
- Match Performance Trends
- Cricket Data Dashboard
- Power BI Reporting
- Data-Driven Decision Making

9. Reference Links

Dataset Link

<https://www.kaggle.com/datasets/chaitu20/ipl-dataset2008-2025>

Linkdin Link

<https://www.linkedin.com/in/shubham7250/>

Github

<https://github.com/Shubhampurbey/IPL-Analysis-2008> ----- [power-BI](#)

