



# IPL STATS & ANALYTICS

P R E S E N T A T I O N   2 0 2 6



Student Name

**Bhairavi Mistry**



Student Email

**bhairavimistry24@gmail.com**



Guide

**Jyoti Prajapati**



# OUTLINE

- Abstract of the Project
- Problem Statement
- Proposed Solution
- System Architecture
- Live Demo of the Project
- Embedded Video of Project
- Conclusion
- Future Scope



# Abstract of the Project

- **Audit Objective:** Comprehensive analysis of 17 seasons of IPL data (2008–2025).
- **Methodology:** Implementation of an ETL pipeline and Star Schema data modeling in Power BI.
- **Core Focus:** Identifying team dominance patterns and auditing player "Return on Investment" (ROI).
- **Outcome:** A centralized Business Intelligence dashboard for strategic cricket analytics.

# Problem Statement

- **Data Fragmentation:** Raw IPL data is too voluminous and scattered for quick decision-making.
- **Lack of Correlation:** Difficulty in linking match-day variables (toss/venue) to final winning outcomes.
- **Subjectivity:** Reliance on "expert opinion" rather than empirical data for player evaluation.
- **Efficiency Gap:** High manual effort required to track seasonal performance trends across franchises.



# Proposed Solution

- **Unified Dashboard:** A single-source-of-truth visual interface using Power BI.
- **DAX Modeling:** Custom measures for "on-the-fly" calculation of Strike Rates and Economy.
- **Strategic Slicers:** Interactive filters for Season, Venue, and Team for deep-dive auditing.
- **KPI Visualization:** Clear tracking of Orange/Purple Cap contenders and team win-ratios.



# System Architecture

## Data Source:

- Structured CSV/Excel datasets containing match and delivery metadata.

## ETL Layer

- Power Query utilized for data cleaning, standardization, and null-value handling.

## Storage Layer

- Relational Star Schema linking Matches and Deliveries via Match\_ID.

## Reporting Layer

- Interactive visualization engine powered by Power BI Desktop.

# Live Demo of Project

## IPL STATISTICS 2008 - 2025

**Champion**  
 Royal Challengers Bangalore

**Runner up**  
 Punjab Kings

**Season**

**Total Sixes** 1296    **Total Fours** 2251    **Total Runs** 26405    **Total Matches** 74    **Total Teams** 10    **Centuries** 9    **Half Centuries** 143

**Orange Cap Stats**  
Player Name: B Sai Sudharsan  
Runs: 759  
Team: Gujarat Titans  

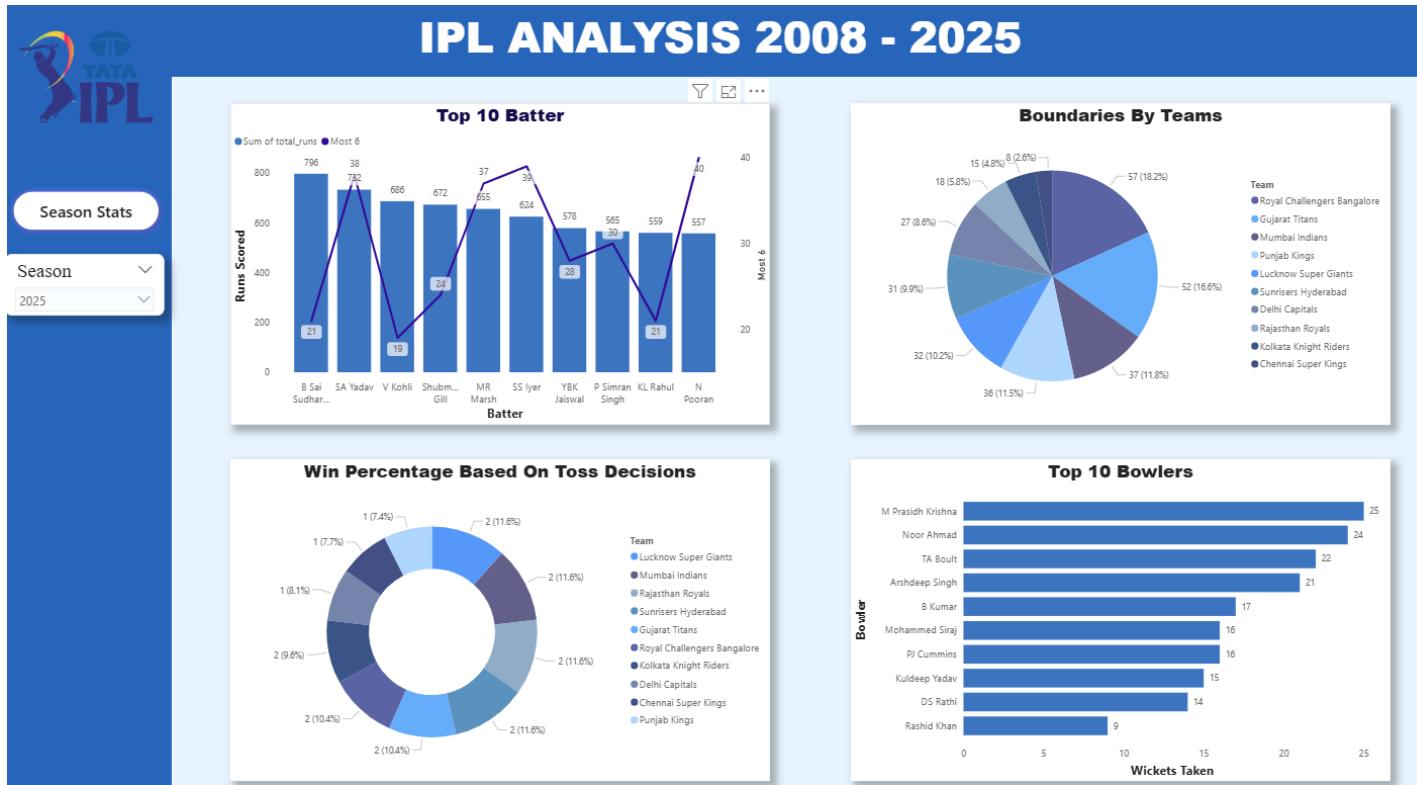

**Purple Cap Stats**  
Player Name: M Prasidh Krishna  
Wickets: 25  
Team: Gujarat Titans  


**Most Fours**  
Player Name: B Sai Sudharsan  
Total 4's: 88  
Team: Gujarat Titans  


**Most Sixes**  
Player Name: N Pooran  
Total 6's: 40  
Team: Lucknow Super...  

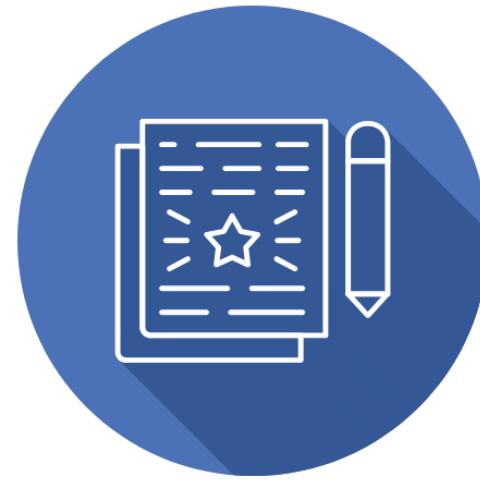

Logo	Team Name	Played	Won	Lost	NR	Tie	Total Points
	Sunrisers Hyderabad	14	6	7	1		13
	Royal Challengers Bangalore	14	9	4	1		19
	Rajasthan Royals	14	4	10		1	8
	Punjab Kings	14	9	4	1		19
	Mumbai Indians	14	8	6			16
	Lucknow Super Giants	14	6	8			12
	Kolkata Knight Riders	14	5	7	2		12
	Gujarat Titans	14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

# Live Demo of Project



# Conclusion

- **Strategic Alignment:** Data confirms that venue-specific strategies are key to tournament success.
- **Technical Success:** Successfully transformed 100,000+ rows of data into actionable visual insights.
- **Audit Accuracy:** Automated reporting ensures high data integrity for franchise evaluation.
- **Impact:** Empowers stakeholders to make objective, evidence-based tactical decisions.



**CONCLUSION**

## Future Scope

- **Real-time Integration:** Connecting Live Match APIs for ball-by-ball dashboard updates.
- **Predictive AI:** Implementing Machine Learning for "Win Probability" forecasting.
- **Financial Audit:** Linking player auction costs to performance to calculate "Cost per Run."
- **Social Analytics:** Incorporating fan sentiment data to measure player pressure-handling..



# Thank You