

IPL Match Analysis

Presented by: Muhammed Safvan P.S

Presentation Date: April 7, 2025





Introduction

- IPL: One of the biggest cricket leagues.
- Many fans want know player stats and match results.
- Analyzed the IPL dataset using Python and Power BI

Objectives & Dataset

Analyze data for key insights

Understand scoring & player impact.

Dataset Source: Kaggle

Size: 260,920 rows & 17 columns





Methodology

1. Loaded data with Python (Pandas)
2. Cleaned and filtered dataset
3. Exploratory Data Analysis (EDA)
4. Power BI for visualizations



Model Selection & Results

Focus was only on EDA (data understanding)

In future: Can use Random Forest

results:

Top 3 Batters	Runs
Virat Kohli	8014
Shikhar Dhawan	6769
Rohit Sharma	6630
Top 3 Bowlers	Wickets
YS Chahal	213
DJ Bravo	207
PP Chawla	201



Challenges & Limitations

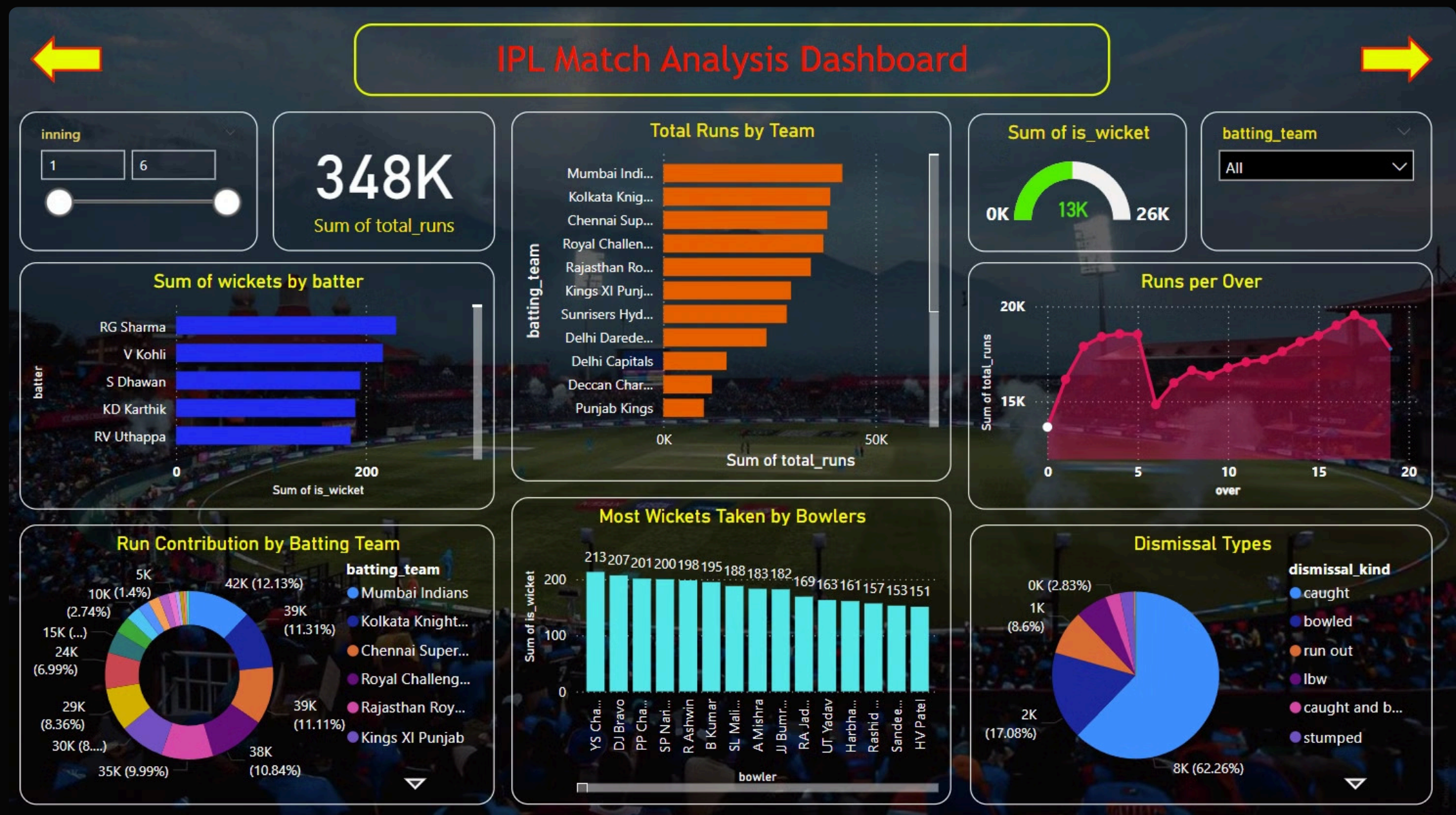
- Some data missing or outdated
- Only ball-by-ball data, no player fitness or weather info
- No ML model (yet)

Dashboard Overview

Created a Power BI dashboard.

Used filters for innings and batting team

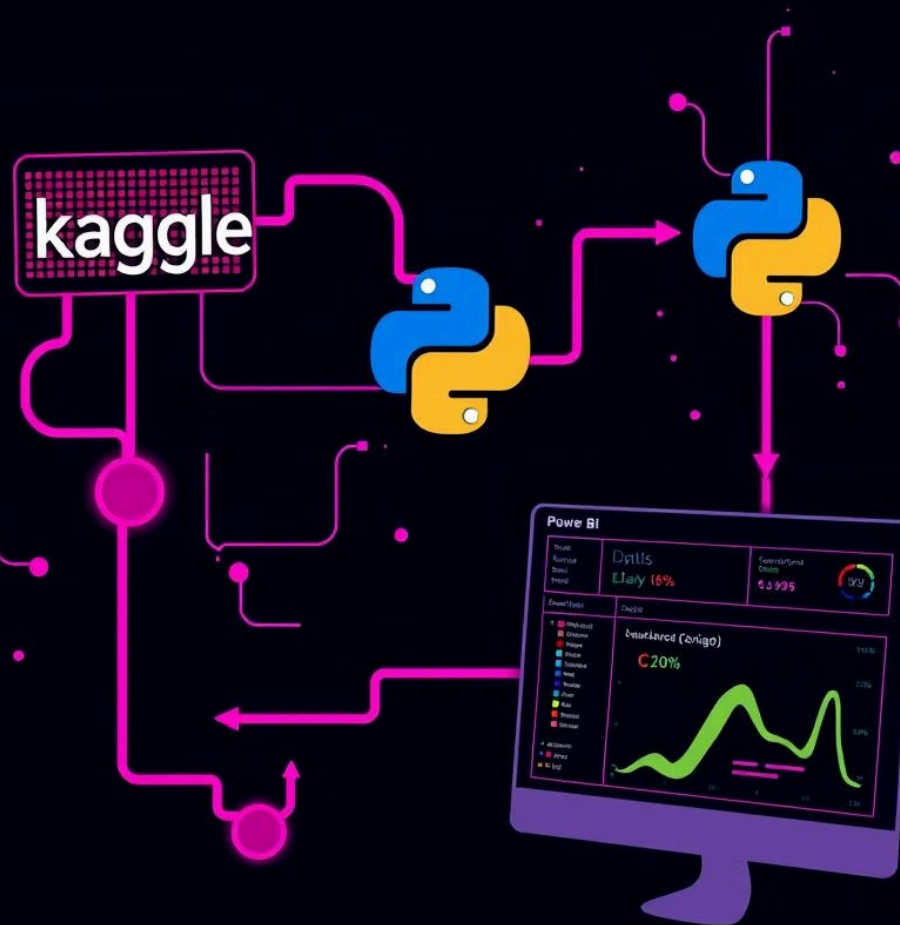
Showed runs by team, wickets by batter, most wickets, dismissal types, and run rate etc...





Conclusion & Future Work

- Understand IPL performance.
- Power BI: helped show insights clearly.
- Future: Add Machine Learning to predict scores or winners.



References & Acknowledgements

- Dataset: Kaggle
- Tools: Python, Power BI

THANK YOU