

MINI PROJECT

PROJECT TITLE

“CRICKET PERFORMANCE DASHBOARD BY USING M.S EXCEL”

Name :- K. Srinivas

Course : Data Analyst/ Business Analyst

Institute : ExcelR

Email :- chantisrinu1947@gmail.com

Linkedin :- <https://www.linkedin.com/in/srinivas-koppula-859660255>

Github :- <https://github.com/ksrinu2003>

Date :- 13-09-2025

1. Introduction

➡ What that's the Project Describes ?

The This project is about analysing Indian Premier League (IPL) match data to identify key trends, player performances, and team statistics. Using Excel, the dataset was transformed into an interactive dashboard that showcases important insights such as Player of the Match awards, team victories, toss outcomes, and season-wise performance. The project aims to present cricket data in a simple, visual, and decision-oriented way for quick understanding.

➡ Why did i choose this project ?

I chose this project because cricket is not just a sport in India, it's an emotion followed by millions of fans. IPL provides a huge dataset with multiple dimensions like teams, players, and match results, making it ideal for practicing data analysis skills. By working on this project, I could improve my Excel skills (pivot tables, slicers, KPI cards, and dashboards) while also creating something engaging and relatable. It helped me connect my technical learning with a real-world dataset that I personally enjoy.

2. Objectives

1. To Analyse IPL Match data across different seasons and identify overall trends.
2. To evaluate team performance by comparing matches won, runs scored, and win margins.
3. To provide season-wise insights into how the league evolved over time.
4. To create an interactive Excel Dashboard with KPI Cards, charts and slicers for easy visualization and exploration.
5. To Strengthen data analysis skills by applying Excel Techniques like Pivot Tables, Calculated Fields , and Conditional Formatting.

3. Dataset Description

- **Source of data** : I have collected the data from the Kaggle datasets.
- **Number of Rows & Columns** : 756 & 18
- **Key Fields** :
 1. I'd
 2. IPL Season
 3. City
 4. Date
 5. Team 1/ Team 2
 6. Toss-Winner
 7. Toss-Decision
 8. Winner
 9. Win-by-runs / Wins-by-Wickets
 10. Player-of-match
 11. Venue
 12. Umpire 1 / Umpire 2 / Umpire 3

4. Data Cleaning & Preparation

- Removed the duplicates
- Handled the missing values
- Standardized data formats
- Checked for inconsistent entries
- Prepared the dataset for analysis

5. Dashboard Design

1. KPI Cards :

- Player of the Match
- Winners
- Total Matches Played

2. Charts & Visuals :

- Column Chart – Matches held each year
- Pie Chart – Toss Winner
- Bar Chart – Count of Winner
- Bar Chart - Top 10 Players total matches

3. Interactive Filters (Slicers) :

- Season Filter – IPL Seasons
- Venue Filter – Different Stadiums
- Match Winner Filter – Winning Team

4. Design Approach :

- Used a black header with bold title for professional appeal.
- Arranged charts in a grid layout for easy navigation.
- Applied consistent colour schemes for clarity.
- Integrated slicers on the right-hand side for smooth interactivity.

6. Insights & Findings

- Season-wise Match Growth
- Team Performance
- Toss Outcomes
- Player Contribution
- Venues & Match Contribution

7. Conclusion

This Mini Project successfully transformed the raw IPL match idea into an interactive and insightful Excel Dashboard. By Using KPI Cards, Charts, and Slicers, the dashboard highlights team performances, toss outcomes, player consistency, and season-wise match distribution.

The Analysis clearly shows the dominance of teams like Mumbai Indians and Chennai Super Kings, the significant role of consistency players such as AB de Villers and MS Dhoni, and the expansion of the tournament over the years. Toss analysis also revealed that while some teams won more tosses, match victories were determined more by performance on the field than by luck.

Overall, the dashboard provides a quick, data-driven view of IPL-history, making it a valuable tool for fans, analysts, and decision-makers who want to explore patterns in team strategies and player contributions.

8. Future Improvements

- Add predictive analysis by using Power Bi, Tableau & Python later.
- Automate data refresh.
- Add more KPIs.

Screenshot of Dashboard

