



IPL Data Analysis Project

Comprehensive Analysis of IPL Matches (2008–2024) using Excel
Dashboards & Pivot Tables



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Project Overview

This project analyzes Indian Premier League (IPL) match data from 2008 to 2024. It highlights team performances, toss decisions, venue impacts, title winners, and player achievements. The project demonstrates how real-world business problems (sports analytics) can be addressed using Excel tools like Pivot Tables, Charts, and Dashboards.

Business Problem

Identify title-winning trends across IPL seasons

- Evaluate toss decisions and their impact on match outcomes
- Rank venues based on frequency and team performances
- Highlight top players by Man of the Match awards
- Build a one-page interactive dashboard for stakeholders

Dataset

The analysis is based on the “matches.csv” dataset (~950 records). The data was processed into Excel, with pivot tables created for venues, title winners, players, and toss analysis. The dashboard serves as a consolidated visualization layer.

Tools & Techniques

Excel (Pivot Tables, Pivot Charts, Slicers, Conditional Formatting)

- Dashboard design & layout
- CSV to Excel data preprocessing


Data Cleaning & Preparation


- Imported raw data “matches.csv” into Excel
- Created structured tables for pivot analysis
- Ensured correct data types for dates, teams, and match outcomes
- Linked pivot tables with slicers for season-wise interactivity


Analysis Performed

1. **Matches Won by Teams** – Season-wise wins distribution
2. **Toss Decision Impact** – 73% of toss-winning teams chose to field first and had higher success
3. **Venue-Based Wins** – Bengaluru and Mumbai venues hosted the most matches
4. **Title Winners (2008–2024)** – MI & CSK lead with 5 titles, while Kolkata Knight Riders follows with 3 title wins
5. **Man of the Match Leaders** – SP Narine, TM Head, and Abhishek Sharma with 3 awards each

Key Insights

 **MI & CSK :** lead are the most successful franchise with 5 titles

 **Toss Matters:** Fielding first provides a 73% win advantage

 **Venue Impact:** Bengaluru & Mumbai venues consistently hosted the most matches

★ **Player Performers:** Several players won 3 Man of the Match awards

 **Dashboard** consolidated insights into one interactive view

Dashboard & Visuals

Screenshot of the Dashboard:

