IPL Dashboard 2025 – Project Documentation

1. Project Purpose

This project delivers a dynamic Power BI dashboard to analyze Indian Premier League (IPL) data of 2025. It supports data-driven decision-making by visualizing team performance, player stats, points tables, and match results.

2. Project Overview

- Data Collection: Gathered from cricketdata.org (API) and other reliable sources.
- Data Processing: Cleaned and transformed using Power Query Editor in Power BI.
- Analysis Goals:
  • Track team standings and player performance
  • Discover trends (e.g., who hits the most fours or fastest 100s)
  • Assist teams and analysts in strategic insights

3. Dashboard Structure

Page	Description
Home	Navigation hub with top highlights and links to sub-pages
Overview	Quick insights into player records like most fours, fastest 100
Points Table	Live rankings of IPL teams including wins, losses, and points
Squads	Detailed list of players and their roles per team

4. Key Visuals & Insights

Points Table

- Tracks performance with columns: Matches (M), Wins (W), Losses (L), Ties, N/R, and Points
- Example top teams:
  • Royal Challengers Bangalore – 16 pts
  • Punjab Kings – 15 pts
  • Gujarat Titans / Mumbai Indians – 14 pts

Squad Breakdown

- Categorized by role: All-Rounder, Bowler, Batter, WK-Batter
- Examples:
  • Dhruv Juyal – WK-Batter
  • Akash Deep – Bowler

5. Technologies Used

- Power BI Desktop: For all modeling and dashboard building
- Power Query Editor: For data transformation
- DAX (Data Analysis Expressions): For creating KPIs and measures

6. Statistical Analysis & Validation

- Performed hypothesis testing to confirm key trends
- Suggested improvements for data quality and potential automation pipelines

7. How to Use / Get Started

Prerequisites

- Install Power BI Desktop
- Download IPL API from crickdata.org

Steps

1. Open IPL_Analysis.pbix in Power BI Desktop
2. Load the dataset via Home > Get Data
3. Clean data using Transform Data
4. Explore dashboards and insights

8. Live Demo

Access the report online: https://app.powerbi.com/links/bjpiytiTSm?ctid=23b0daf1-173a-4a20-afa0-36d69a739904&pbi_source=linkShare&bookmarkGuid=cb74afe6-41cd-4b77-a93e-84ecc26763ba

9. Project Structure

```
IPL_Analysis.pbix      # Main Power BI report file
Data            # Raw and transformed datasets
README.md           # Project readme with instructions
```