**🏏 IPL Batsmen Performance Analysis Dashboard (2008–2022) – Power BI Project**

This Power BI dashboard offers a comprehensive analysis of batsmen's performance in the Indian Premier League (IPL) from **2008 to 2022**. The dataset, titled **"IPL Performance Analysis"**, was sourced from **Kaggle** and contains **30,072 records**. The dashboard is designed to deliver clear, interactive insights into batting metrics such as total runs, centuries, strike rates, and season-wise trends — with a clean Power BI layout.

Built exclusively in Power BI, this project demonstrates the power of interactive cards, visuals, and filters to uncover key player trends and performance patterns.

**📊 Dashboard Insights (Power BI Visuals)**

The Power BI report includes multiple cards, charts, and a **year-wise slicer** to enable season-specific analysis:

✔ **KPI Cards**:

* Total Runs Scored
* Total 50s
* Total 100s
* Highest Individual Score

✔ **Visuals**:

* **Top 5 Run Scorers** – Clustered Bar Chart
* **Best Batting Average** – Column Chart
* **Best Strike Rate** – Funnel Chart
* **Total Boundaries (4s and 6s)** – Grouped Bar Chart
* **Most Not Outs vs Innings Played** – Multi-row Card
* **Runs by Season** – Line Chart

These visuals help highlight both individual brilliance and overall league performance over time.

**📦 Data Source**

* **Dataset Name**: IPL Performance Analysis
* **Source**: Kaggle
* **Total Records**: 30,072
* **Years Covered**: 2008–2022

**🧹 Data Cleaning & Modeling (Power BI Steps)**

✅ Loaded the dataset into Power BI using **Power Query**  
✅ Removed unnecessary columns and cleaned null/missing values  
✅ Standardized numeric formats (Runs, Averages, Strike Rates)  
✅ Created calculated columns and measures (e.g., Total Boundaries = 4s + 6s)  
✅ Modeled the data to support visual interactivity and year-wise filtering

**🕹️ Interactive Features (Slicer Used)**

✔ **Year-wise Slicer** – Enables users to filter all visuals by a specific IPL season to analyze yearly batting performance

Note: No slicers were used for batsman name or franchise in this version of the dashboard.

**🎨 Dashboard Design (Power BI Formatting)**

📌 **Layout**:

* KPIs displayed in a clean top row using Power BI **card visuals**
* Grouped charts aligned in sections for intuitive storytelling

🎨 **Design Consistency**:

* Uniform font and color palette based on IPL theme
* Shadows, borders, and alignment used for better readability
* Custom tooltips added for interactive hover insights

**💼 Insights & Business Relevance**

This Power BI dashboard offers actionable insights such as:

📌 **Top consistent scorers** – Easily identify players who have dominated across seasons  
📌 **Boundary analysis** – Power hitters visualized via 4s and 6s  
📌 **Efficiency vs volume** – Compare average and strike rate leaders  
📌 **Not out specialists** – Pinpoint finishers based on high not outs  
📌 **Seasonal scoring trends** – See how run totals have evolved from 2008–2022