

# IPL 2022 Data Analysis: Key Insights

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## Project Overview

In this project, I analyzed and visualized the IPL 2022 season data using **Pandas** and **Plotly** to uncover performance trends, player contributions, and team strengths.

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## Key Findings

- **Most Successful Teams:**  
Gujarat Titans dominated the league with the highest number of wins and an impressive run rate throughout the season.
  - **Top Run Scorers:**  
Jos Buttler led the batting charts, showing outstanding consistency and accumulating the most runs overall.
  - **Bowling Dominance:**  
Yuzvendra Chahal topped the wicket-taking charts, playing a pivotal role in Rajasthan Royals' victories.
  - **Toss Impact:**  
Winning the toss provided a strategic advantage, especially for teams chasing targets.
  - **Match Venues:**  
Stadiums like Wankhede and Brabourne favored batters with higher average scores, indicating batting-friendly conditions.
  - **Player of the Match Awards:**  
Majority were awarded to top-order batters, highlighting their critical influence on match outcomes.
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## Tools & Skills Used

- **Python with Pandas** for data manipulation and wrangling
- **Plotly Express** for creating interactive and insightful visualizations
- Applied **Exploratory Data Analysis (EDA)** techniques to extract meaningful patterns