

Project Proposal

IPL Data analysis

Introduction:

The Indian Premier League (IPL) is a professional Twenty20 cricket league in India that has gained tremendous popularity over the years. IPL matches have become a great source of entertainment for cricket lovers worldwide. With the availability of IPL data, there is an opportunity to analyze the data and gain insights that can help teams make informed decisions.

Objective:

The objective of this project is to analyze IPL data and provide insights to improve team performance. We aim to achieve this by analyzing the data and identifying patterns that can help teams make strategic decisions.

Data you plan to have

- Closeness of the matches when the team batting first wins
- Number of matches played in different cities
- Number of matches played in different stadiums
- Is winning the toss really an advantage?
- Is home advantage a real thing in IPL?
- Number of matches played by each team.
- Number of Matches won by each team.
- Top Batsman
- Top Bowlers
- Total runs scored in each delivery of the over
- Average number of runs scored in each delivery of the over
- Total number of runs scored in each over of the innings

Dataset

The data source for this project will be the IPL dataset available on Github. The dataset consists of all IPL matches played between 2008 and 2021. The dataset contains information such as match details, team and player statistics, and ball-by-ball details. The dataset will be imported into R for analysis.