

Team 3 : Exploratory data analysis: Indian Premier League (Cricket)

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Problem:

Analysis of performances of teams, players and effect of various factors such as venues on the outcome of the games of Indian Premier League (IPL)

Dataset:

[Kaggle](#) IPL Dataset

This dataset contains statistics of all the IPL games played since 2008 to current. This includes, venue of the game, outcome of the game, toss winners, win margin among other statistics.

Proposed Solution and Real world Application :

We plan to do an exploratory data analysis of the IPL games that have been played so far since 2008. This will include the analysis of the effect of toss on the outcome of the game, effect of venue on the outcome of the game, individual player statistics, umpire statistics among other variables.

This can be used by commentators as a look up table to analyze and predict the likely outcome of the game being played based on the teams, players and the venue. The analysis we provide here can also be utilized on datasets of other sports such as Basketball, Football among others.

Project steps

Step	Estimated completion time
1. Extracting and cleaning up data	One week
2. Analysis of the pattern among the features of the data	Two weeks
3. Data visualization	Two weeks
4. Preparation for final presentation(including slides, code clean up)	One week