# Indian Premier League - Summarization

Season 2008-2019

The Indian Premier League (IPL) is a professional Twenty20 cricket league in India. It was founded by the Board of Control for Cricket in India (BCCI) in 2007 and is currently the most attended cricket league in the world. The IPL features teams representing various cities and states in India.

Participant Teams: There was eight teams participating in the IPL:

1. Chennai Super Kings (CSK)
2. Delhi Capitals (DC)
3. Kings XI Punjab (KXIP, currently known as Punjab Kings)
4. Kolkata Knight Riders (KKR)
5. Mumbai Indians (MI)
6. Rajasthan Royals (RR)
7. Royal Challengers Bangalore (RCB)
8. Sunrisers Hyderabad (SRH)

Format: The IPL follows a round-robin and knockout format. In the regular season, each team plays against every other team twice, once at home and once away. The top four teams in the league table qualify for the playoffs, which consist of the Qualifier 1, Eliminator, Qualifier 2, and the final.

Dataset collected from Kaggle [*https://www.kaggle.com/datasets/sagara9595/indian-premier-league-20082019*](https://www.kaggle.com/datasets/sagara9595/indian-premier-league-20082019)has ball by ball information of IPL seasons 2008 to 2019. This dataset contains a total of 751 matches played data and aggregate them into single source in cvs format to perform statistical analysis.

Derived columns for the dataset:

* Innings: Numeric field representing first or second innings.
* Over: Numeric field representing ball number from each innings.
* Batting Team: String field representing the name of the batting team.
* Player: String field representing the name of the player batting.
* Non-Striker: String field representing the name of the player present at the non-striking end.
* Baller: String field representing the name of the bowler.
* Runs: Numeric field representing the number of runs scored by a batter.
* Extra: Numeric field representing the number of runs fielding team conceded extras.

Collected data can helped to address following queries with limited scope:

* Impact Player (Batter, Bowler, Fielder, and power Hitter)
* Best Opener and its impact on team winning ratio.
* Batters strike rate.
* Predicted players future based on history
* Predict player performance based on history
* Match Results.
* Toss analysis.

Reference link - *https://en.wikipedia.org/wiki/Indian\_Premier\_League*