

## **DATASETS USED FOR THE IPL ANALYSIS**

### **IPL 2008 - 2015 Ball by Ball Dataset:**

Each 'ball' line has the following fields:

- The word 'Ball' to identify it as such
- Innings number (1 to denote the first innings and 2 to denote the second innings)
- Over and ball (in the format x.y where x denotes the over number and y denotes the ball number in each over, x ranges from 0 to 19 - 20 overs while y ranges from 1 to 6 - 6 balls)
- Batting team name
- Batsman (Batsman currently on strike)
- Non-Striker (Batsman currently not on strike)
- Bowler (Player Bowling to the batsman on strike)
- Runs-off-bat (runs that are credited to a Batsman)
- Extras (runs credited to the team total, rather than an individual batsmen  
Example: no ball, leg bye, bye, wide, overthrows)
- Kind of wicket, if any (type of dismissal of batsman - Caught, Bowled, LBW, Caught and Bowled, Stumped)
- Dismissed player, because of a Wicket (name of player who got out)

### **Player Profile Dataset:**

Each player has a Batting profile as well as a Bowling profile across all formats of the game like Tests, ODI's, T20I's, First class matches, List A matches.

Each 'Batting Profile' entry has the following fields:

- Mat (Number of matches played)
- Inns (The number of innings in which the batsman actually batted)
- NO (The number of times the batsman was not out at the conclusion of an innings they batted in)
- Runs (The number of runs scored)
- HS (The highest score ever made by the batsman)
- Ave (Batting average - the total number of runs divided by the total number of innings in which the batsman was out)
- BF (Balls faced - The total number of balls received)
- 100 (Centuries - the number of innings in which the batsman scored one hundred runs or more)
- 50 (Half centuries - the number of innings in which the batsman scored fifty to ninety nine runs)
- 4s (number of 4's The Batsmen has scored)

- 6s (number of 6's the Batsmen has scored)
- Ct (Number of catches taken)
- St (Number of stumps made)

Each 'Bowling Profile' entry has the following fields:

- Mat (Number of matches played)
- Inns (The number of innings in which the bowler actually bowled)
- Balls (The number of balls bowled)
- Runs (The number of runs conceded)
- Wkts (The number of wickets taken)
- BBI (stands for Best Bowling in Innings and gives the score for one innings)
- BBM (stands for Best Bowling in Match and gives the combined score over 2 or more innings in one match)
- Ave (Bowling average - the average number of runs conceded per wicket)
- Econ (Economy rate - the average number of runs conceded per over)
- SR (Strike rate - the average number of balls bowled per wicket taken)
- 4w (the number of innings in which the bowler took exactly four wickets)
- 5w (the number of innings in which the bowler took at least five wickets)
- 10w (the number of matches in which the bowler took at least ten wickets)