**Problem Statement:**

Your goal is to build a model to predict the outcome of a football match, given data for the past 9 years. All the football matches from 2009 to 2017 are covered in the dataset.

Based on the dataset provided, your goal should be to come up with an optimal solution to predict if a Home Team would win or lose or draw a game (column name ​FTR ​ ) for the year of 2017-18.

**About the Data**

The data is collected from ​http://www.football-data.co.uk/​ and consists of different leagues.

**Column Details :**

|  |  |
| --- | --- |
| Name | Description |
| HomeTeam | Home Team |
| AwayTeam | Away Team |
| FTR | Full-Time Result (H=Home Win, D=Draw, A=Away Win) (Target Column) |
| HTHG | Half Time Home Team Goals |
| HTAG | Half Time Away Team Goals |
| HS | Home Team Shots |
| AS | Away Team Shots |
| HST | Home Team Shots on Target |
| AST | Away Team Shots on Target |
| AC | Away Team Corners |
| HF | Home Team Fouls Committed |
| AF | Away Team Fouls Committed |
| HC | Home Team Corners |
| HY | Home Team Yellow Cards |
| AY | Away Team Yellow Cards |
| HR | Home Team Red Cards |
| AR | Away Team Red Cards |
| Date | On which day the match was played |
| league | Under which league the match was played |