

# T20 WIN PREDICTOR

## TEAM

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## DATASET

We have used the following dataset from Kaggle consisting of ball by ball data of all the 577 matches of IPL from 2008 to 2016, also including:

1. Toss result and decision chosen
2. DL method used or not
3. Match drawn or not
4. Winner and win by information

<https://www.kaggle.com/manasgarg/ipl/downloads/ipl.zip>

## FEATURE EXTRACTION

We have considered following features at the end of every over:

1. Toss decision
2. Inning
3. Over, Total runs, Players dismissed
4. Innings score, Innings wickets, Target score, Remaining target
5. Required run rate, Current run rate, Run rate difference

## APPROACH

We have used Multi-layer Perceptron Classifier to predict the outcome of a match . We train on data of first 7 seasons and test it on last season. We have used “scikit-learn” library of python for implementation of the classifier.

## RESEARCH PAPERS

[http://pages.cs.wisc.edu/~shruthir/Documents/MachineLearning\\_Final\\_Report.pdf](http://pages.cs.wisc.edu/~shruthir/Documents/MachineLearning_Final_Report.pdf)

<https://arxiv.org/ftp/arxiv/papers/1511/1511.05837.pdf>