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9/30/2015

GA - SF Data Science 17

Milestone 1 – Question and Data Set

* I’m planning to predict the type of NFL play in any given game situation for each team
* Play-by-play data of every NFL game in 2013-2015 can be found here: <http://nflsavant.com/about.php>
  + Each individual play is represented by a record with data across 45 columns
  + Example columns include team, field position, down, play type, yardage, direction (both run and pass), penalty
* The team that curated this data has already run analysis on the types of plays each team runs (example: <http://nflsavant.com/team.php?ddlTeams=PIT>)
  + I’d like to take this one step further and try to predict the types of plays each team runs in a given situation (taking into account down/yards to go, time left in the game, score)
* I plan to use the 2013-2014 data to teach the model, and test on the 2015 data
* I chose this topic because I watch a lot of football in a generally unproductive manner