Play-By-Play Fantasy Football Analysis

Project Overview

12/30/2016

# Goals

* Build a model to predict an offensive player’s fantasy points for a given matchup
* Determine which features are significant in predicting points
* Determine if this new model outperforms other readily available projections
* Publish a blog post detailing the project’s findings
* Launch the model online, make available for public use

# Steps

1. Start EDA
   1. Identify schema for new data
2. Clean data
3. Store data in local PostgreSQL database
4. Finish EDA
5. Create initial MLR model
   1. Perform feature selection, optimize model
6. Create additional models for comparison (Gradient Boosted Model, Random Forest, SVM)

# Deliverables

* Jupyter notebook for EDA
* Module for cleaning data
* Module for model creation
* SQL database with clean data
* PKL model or module for model creation
* Text content for blog post
* Web App for public use