Module 5 Project Overview

By Eric Sundstrom

Question:

How Well Can We Predict ‘Makes’ or ‘Misses’ In The NBA?

Without Looking At Who Is Shooting The Shot!

Obtain

- Shot Logs From 2014-2015 NBA Season
- All Data Sourced & Shared by Kaggle user dansbecker

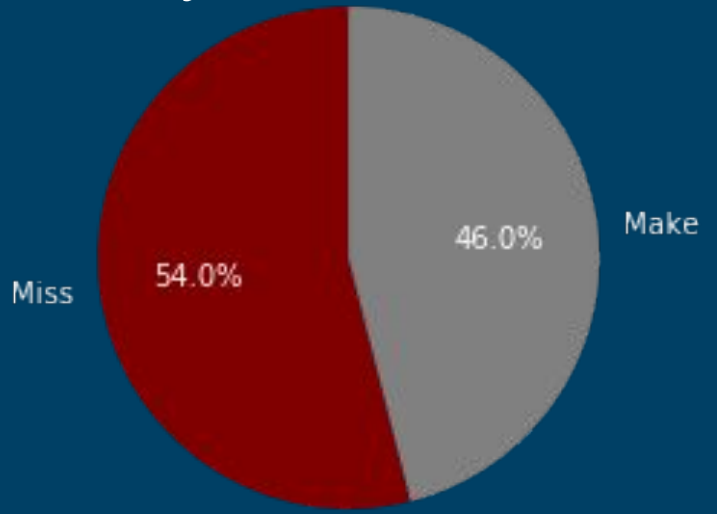
Scrub

- Removed Null Values
- Changed Variable Format
- Ignored Data Not Applicable To My Question

Explore

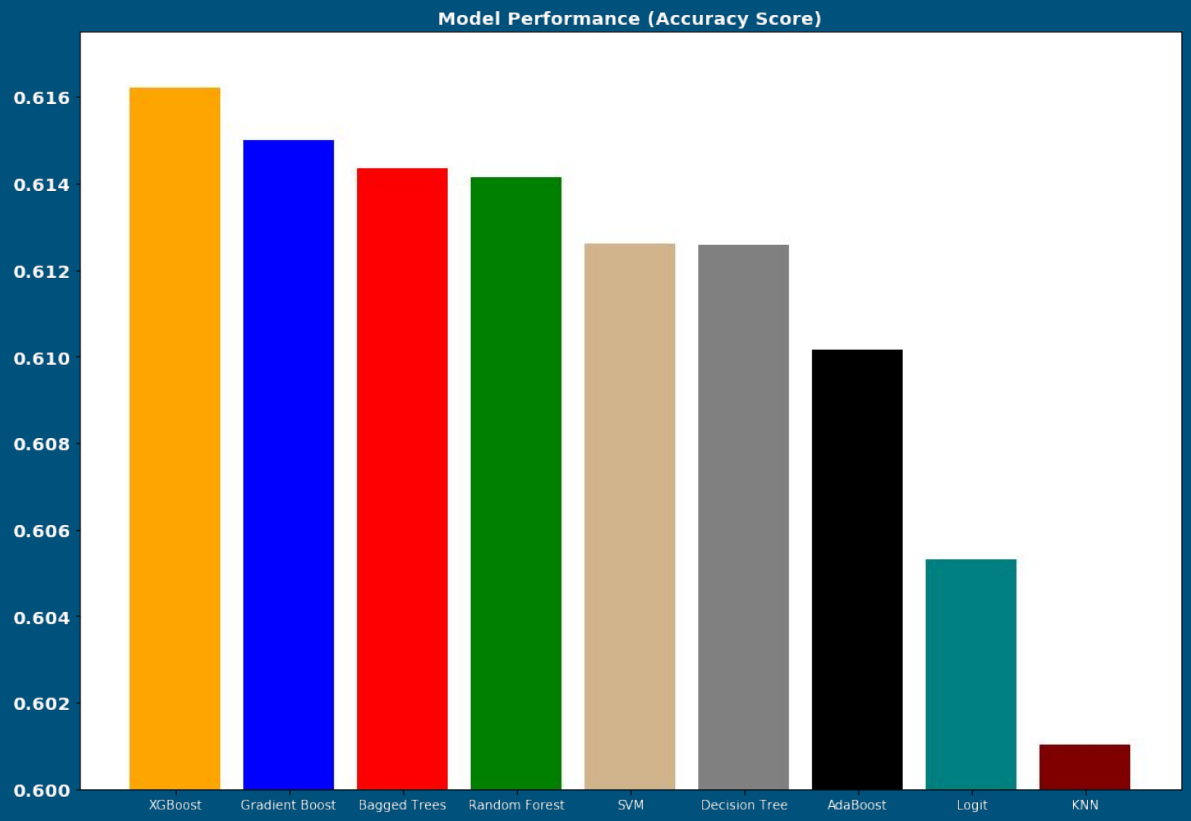
Target Variable

- Binary
- Unbalanced
- Chosen Metric: Accuracy



Model

- Winner: XGBoost (61.6%)
- Runner-Up: Gradient Boost (61.5%)
- Worst: K Nearest Neighbors (60.1%)



Interpret

- Only ~8% Improvement Over Random Guessing
- Shooting A Basketball Is Not Easy

Improvements

- More Computational Power
- More Data For New Features

Kaggle Link: https://www.kaggle.com/dansbecker/nba-shot-logs