# Ballpark Bookie

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## Motivation

Sports, and specifically, baseball is something that interests us all. So being able to combine that with our knowledge from 3+ years at this school made for a great project.

## Challenges

- Learning data science, and machine learning regression algorithms.
- Interpreting the data at our disposal, formatting the data, and using it appropriately.
- Many thanks to Dr. Alex Wong.

## Results

After testing our results against the outcome to real games that took place we came out with 61% accuracy rate. With more time we would be able to add more to our stats and variables and bring that up.

# Overview

## What Our App Does

Ballark Bookie predicts the outcome of a MLB game with a percentage chance. This is possible because of our access to the My Sports Feeds API which has detailed statistics for every game starting back in 2016.

## How It's Different

Most resources for sports are biased and their predictions can suffer as a result. Our predictions are driven purely from data and that will help the user inform their decisions.

## The Algorithm

The algorithm takes seasonal aggregate stats and ranks teams by comparing team inputs. With the compared values, we use logistic regressions to apply learned weights to each variable and outputs most likely winner.

**Resources**