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ewehmueller markdown fix ...

5 minutes ago

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☰ README.md



MLB Pitch Outcome Classification Capstone

Author: [Eric Wehmüller](#)

Overview

This project is the final/Capstone project for Flatiron School's bootcamp program in Data Science. We have created a hypothetical situation as a Data Scientist and are hoping to provide value to our business for the scenario.

Business Problem

We have been hired as a hypothetical member of the Cardinals baseball organization: a member of the coaching staff. As a coaching analyst, our job is to create a model that will give us insights into pitch quality and classify a pitch, given its metrics, as a negative, neutral, or positive outcome for the pitcher.

Project Deliverables

- A GitHub repository

- A Jupyter Notebook
- A non-technical presentation

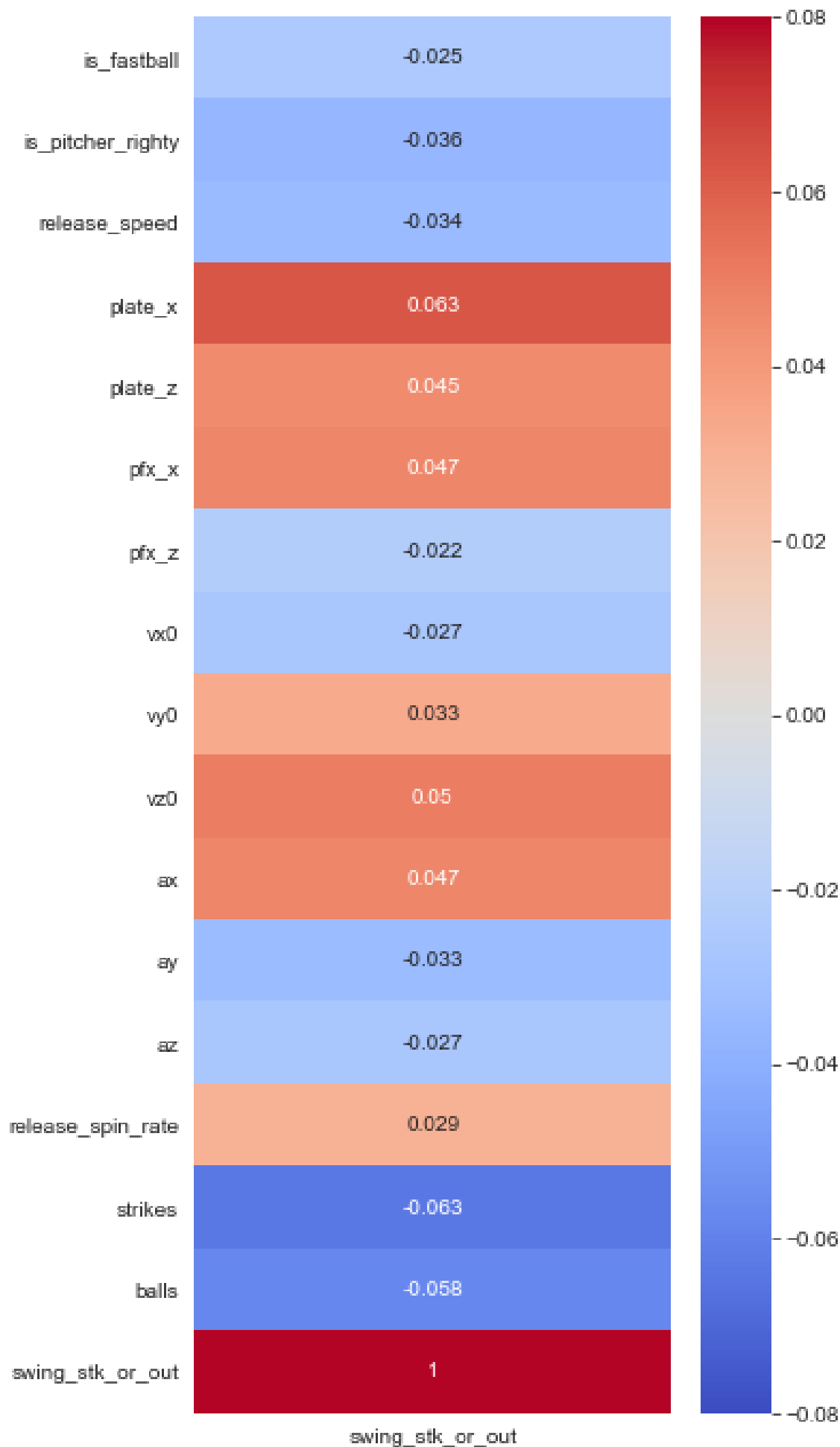
Project Summary

I devised these questions that I believed could be answered through data analysis.

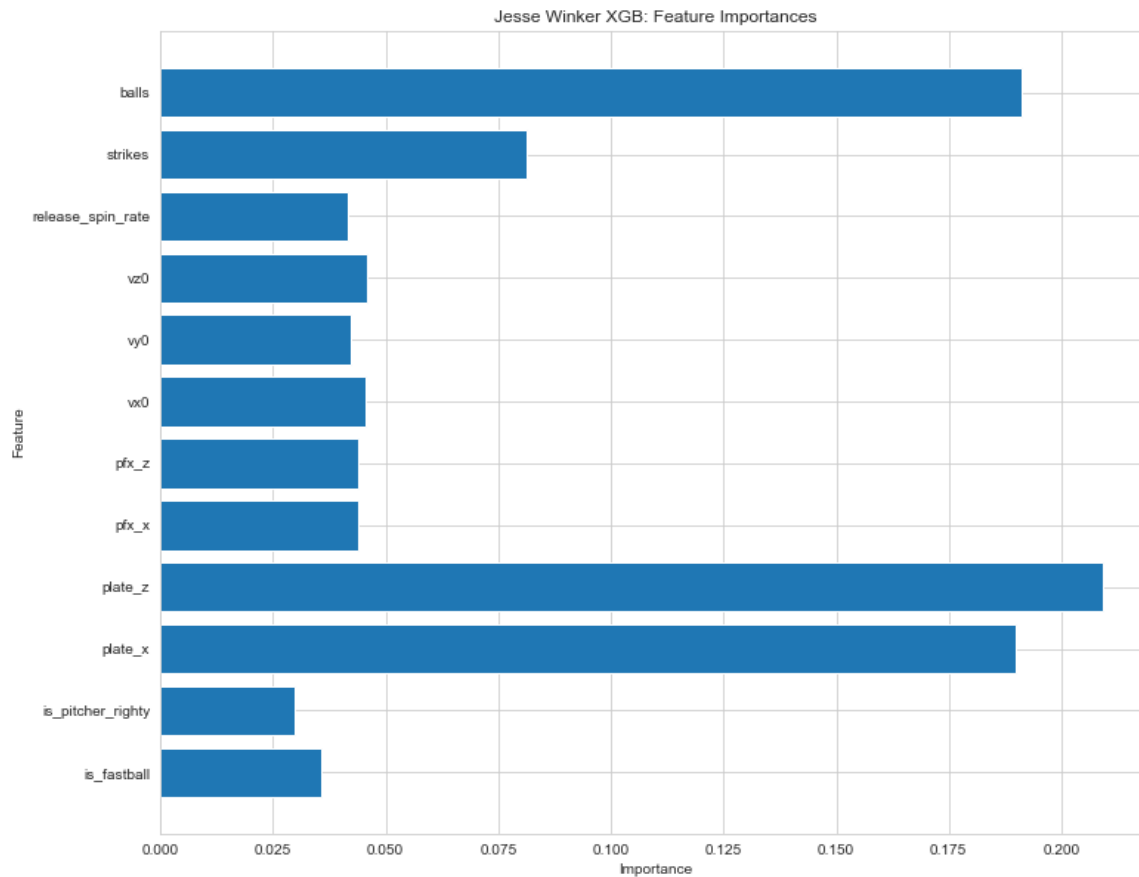
- i. What are the most important metrics that go into a pitch?
- ii. What is the least important metric that goes into a pitch?

I explore this thoroughly in the pitch-classification.ipynb file contained within this repository via classification modeling. I progressively alter the scope of the models as I iterate over different options. Here are some visualization previews of the data I investigated.

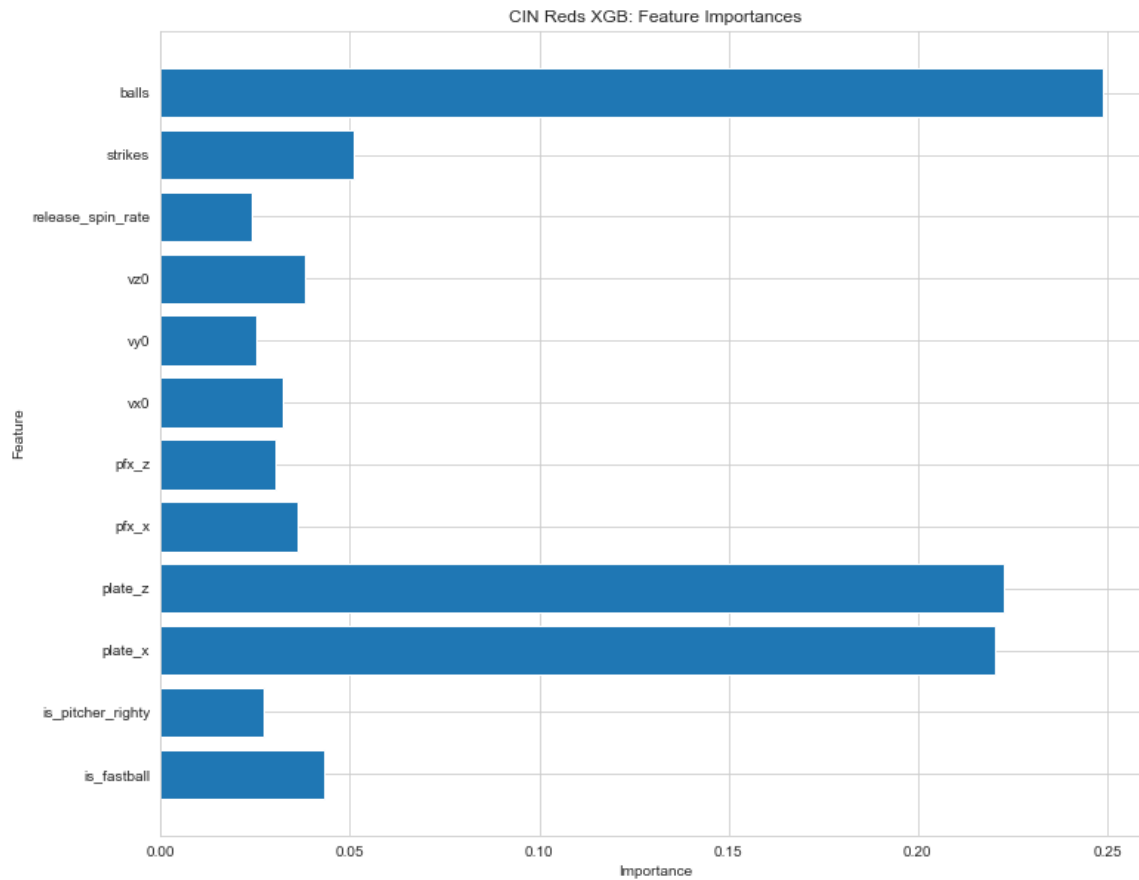
Corr Heatmap Between Features and Pitch Outcome



Single Player XGB Model Feature Importances



Entire Team XGB Model Feature Importances



Repository Structure

- data
- README.md
- lol_presentation.pdf
- lol_notebook.pdf
- league-analysis.ipynb

Releases

No releases published

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Packages

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Languages

● Jupyter Notebook 100.0%