

Measuring Bias in Major League Baseball (MLB) Umpire Calls

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1 Introduction

In this report, we will be analyzing Major League Baseball (MLB) statistics. We will be looking at the relationship between various statistics and how they can be used to predict the number of wins a team will have in a season or if an umpire is biased.

1.1 Key Takeaways

1.2 Data

Sourced from: https://baseballsavant.mlb.com/statcast_search

As well as : <https://github.com/jldbc/pybaseball>

2 Exploratory Data Analysis

2.1 Cleaning, NaNs, Corr Plot

3 Data Preparation

4 Modeling

5 Interpretation and Prediction

6 Conclusion