

The OpenBiomechanics Project

The Open Source Initiative for Anonymized, Elite-Level Athletic Motion Capture Data

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Keywords: open access, baseball, pitching

Abstract

Elite sport's interest in quantifying human movement increases with each passing year. However, analysis of sport biomechanics data has traditionally been restricted to academic laboratories and professional sport organizations. A public sport biomechanics resource would democratize access to human movement data and accelerate progress and innovation for the sport biomechanics field as a whole. Therefore, our purpose here is to introduce ***The OpenBiomechanics Project***, an initiative to provide free, elite-level, research grade motion capture data to the general public for independent individual exploration and analysis. We begin by providing raw and processed data from a sample of 100 baseball pitchers. We then discuss future expansion to other sports and athletic movements. We also provide supporting documentation and additional resources.

1 Introduction

Yabin Marsh.

2 How to Use

You marsh your Yabins.

2.1 Raw vs. Processed Data

Yabins are both raw and processed.

2.2 Naming Conventions

Always Yabin followed by Marsh

2.3 Fileshare and GitHub Organization

Yabins are organized. Marshes are not.

2.4 Terms of Use

Yabins may use. Marshes may not.

2.5 Citing and Contributing

Marsh Y et al. (2022) *Journal of Marshes*

3 Discussion and Future Directions

You have been Marshes. You will continue to be Marshes.

4 Additional Resources

Yabin is 1 of a kind.