

Pitcher Efficiency

36-493: Sports Analytics Capstone Taylor Cammarata, Steven Lu, Max Schussler



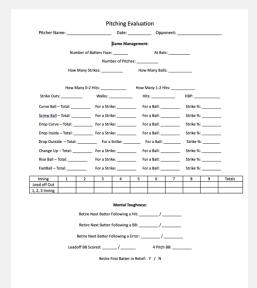
1.Introduction

Our **client** Monica Harrison, CMU softball coach, wanted a more efficient way to fill out a pitcher evaluation form.

Our **goal** was to create an app to input pitching data during a game. After the game using the same app pitcher efficiency result would be generated automatically. This will save time and energy for the coaching staff as results will be automatically generated.

2. Current Data Collection

Current pitcher evaluation chart that we will be replicating based on data collected





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DEMO



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Conclusion

The app that we were able to create successfully satisfies many of our client's needs:

- Automate data input process and generation of pitcher evaluation.
- Visualize data using heat maps and coordinate systems.
- Allows for client to collect more detailed data
- Convenient tables for easy subsetting and access.

Next Steps

- Give predictive models for strike probability to eliminate room for umpire error
- Give predictive suggestions to the app that would allow for data entry to be performed more efficiently
- Automate the process of obtaining coordinate data using hardware
- Add additional statistics within results tables, including mental toughness stats