
Faster-LMM-D Documentation

Release 1.0

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Contents:

CHAPTER 1

Authors

- Prasun Anand
- Pjotr Prins

CHAPTER 2

Installation

Install the package with pip:

```
$ pip install read-the-docs-template
```


A faster lmm for GWAS. It has multi-core and GPU support.

Usage:

3.1 Features

- LD Pruning
- Kinship Calculation
- Linear Regression
- Logistic Regression
- Linear Mixed Models
- Multivariate Linear Mixed Models (WIP)
- Supports CUDA/OpenCL and Multi-core CPUs

3.2 Installation

Install faster_lmm_d by running:

3.3 Contribute

- Issue Tracker: https://github.com/genetics-statistics/faster_lmm_d/issues
- Source Code: https://github.com/genetics-statistics/faster_lmm_d

3.4 Support

If you are having issues, please let us know.

3.5 License

This software is distributed under the GPL3 license.

4.1 Linear Regression

Run Wald Test and Score Test

4.2 Logistic Regression

Binary Traits

4.3 Univariate Linear Mixed Models

Single Phenotype

1. Brent's Method
2. Newton Rhapson's Method(Exact)

4.4 Multivariate Linear Mixed Models

Multiple Phenotype

4.5 Ipython Notebook

CHAPTER 5

Usage

To use this template, simply update it:

```
import read-the-docs-template
```


CHAPTER 6

Indices and tables

- `genindex`
- `modindex`
- `search`