

June 2015 Work Log

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1 Goals for the Month

1. Gain ownership of Logan's github repository
2. Finish running the NSE first order approximation model on all test genomes
3. Profile the test genomes
4. Read and understand the Murray et al. paper on doubly intractable MCMC.
5. Get access to Preston's repository, and begin looking through the code.
6. Clean up my log repository

2 Progress/Notes

2.1 Gain ownership of the cubmisc github repository

1. In order to gain ownership of a github repository, the current owner has to initiate the process. So I'll need to get in contact with Logan.

2.2 Finish running the NSE first order approximation

1. This is in progress. I've run the REU13 yeast, Preston's Yeast, Brewers' Yeast, and Logan's yeast. Now I need to run it on the other included genomes.

2.3 Profile the test genomes

1. This is also in progress, although it may take a while to get done, since I'll have to run things numerous times.

2.4 Read and understand the DIMCMC paper

1. I have read over the paper a couple of times, but it's a pretty heavy paper, and it might take me a while to digest it fully.

2.5 Get access to Preston's repository

1. Dr. Gilchrist has informed me that he will get me access soon.

2.6 Clean up my log repository

1. My repository has been cleaned significantly, thanks to some \LaTeX scripts that I wrote. Now, I have separate repositories for logs, source files, and graphs. The logs directory only contains `.pdfs`, and the source directory only contains `.tex` files. All auxillary files are now stored locally on my machine so that they don't clutter up the repository anymore.