Work Log for August

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August 20, 2014

3   Week of August 18th-22th

3.1   Goals for the Week

3.1.1   Set up GitHub

Username: ozway I've forked cubfits and added a worklog directory.

1. cd /worklog
2. git commit -a
3. git push

3.1.2   Read Gilchrist 2014

See full notes in august18.tex or august18.pdf

Does this contain any information about the code structure? I don't see any description of what B is, or it's purposes. Unless B is β?

3.1.3   Various Latex changes

I've added a weekly summary, and automated some of the process.

3.1.4   Look at REU Results

3.1.5   Workflow Tracker (like Doxygen) for R?

3.1.6   Study data structures in R user Manual

list() may be interesting.

3.1.7 study my.cubappr.r

Broken down all the values of the variables (for the test case), which was illuminating. The values were obscured by initialization functions that were hard to access. Full details are in august22.tex or august22.pdf

I'm now breaking down the workings of the MCMC, the most important part of the code (and the best opening for parallelization)

It's notable that the differences between the (possibly defunct) NSE demo and the working ROC demo is just changing the value of model [1].

3.2 Goals for next Week

1. Finish analyzing cubappr.r (especially the MCMC after line 158)

2. Look at the consequences if model is "nsef" instead of "roc"

3. REU Results

4. Data Structures in the R manual (list?)