Statistical Analysis of Genetic Data Math 155, Spring 2008 Jo Hardin Final Project In-class presentation: Thurs May 1st or Tues May 6th Final web site: Wed May 7th

1 Presentation

- The idea is to present the findings from your data set. Remember that you can always go back to the paper to look up particular ideas (for example, one gene keeps showing up in your analyses, did the authors also find that gene? Was it particularly important to them?)
- Any thoughts about how your work compares to the published work would be very interesting.
- I'd like you to present on a variety of methods, but you don't need to present every piece of your semester analysis.
- You should plan to talk for between 15-20 minutes (with time for questions after that).
- You should have slides (PowerPoint is probably easiest, but TeX / Beamer is also fine).
- Your presentation should tell a story. Think about it as a presentation to the biologist who collected the data. Maybe the normalization or filtering techniques are important because of the effect that removing genes has later on. Or maybe some of the group comparisons were "more significant" than other ones (when you did limma/SAM) and you saw exactly that same effect when you classified (that is, some of the groups were able to classify perfectly, while others weren't).

Restated: try to connect the ideas from the various sections in a meaningful way.

2 Web site

- The only new thing I want on your web site is a discussion section. Just like above but in paragraph form. Feel free to use links within the discussion section to illustrate the points you are making (with your previous results).
- In your discussion, you should mention how your work compares to the published work.
- You should feel free (or maybe you should feel pressured??) to edit previous sections of your work to make them flow better, to address points more specifically, or to add thoughts about the analysis.
- Ideally all plots (tables, etc.) will be on the same page as the discussion. It is difficult to grasp the big picture when you have to click back and forth among different web pages. In particular, it is difficult to compare plots when they are on different web pages.