**AML 612 Homework #4**

**Due Thursday March 7th at noon.**

**Question 1)**

I have posted the project prospectus documents at <http://sherrytowers.com/?p=4439> (I will send the password to the page in an email).

Review each prospectus according to the online rubric given, including the prospectus that you submitted.

Once all these reviews have been collected, each student will receive the review grades on their prospectus from the other students and also my review.

There has been evidence in past courses I have taught that a few students unfortunately have rather obviously randomly clicked on grades in the online review process in order to get through the assignment quickly. **This is completely unacceptable behaviour.** Your grade on this homework will thus critically depend on the statistical “concordance” of your scores with the average scores of myself and the other students on the prospectuses. If there is evidence that the scores you submit are too random, expect to get a failing grade on this assignment, and also expect to have to have a special meeting with me to explain yourself.

**Question 2)**

Once you have completed the reviews of the prospectus documents, send me an email stating your top five choices of projects you’d like to work on, listed in order from most favoured, second most favoured, third, and so on. You don’t have to include your own project on this list, but you are welcome to do so.

I will assign projects to groups of two or more students, based on my assessment of which projects appear to be well motivated with a clear objective, and feasible to complete by the end of the semester. My choice of who gets assigned to which project groups are final. I cannot guarantee that you will be assigned to your most favoured project (or even second most favoured project), but I try to optimize everyone’s happiness when I assign project groups. If your project prospectus was chosen for a project group, you will be on that project.

**Question 3)**

Go to <https://cores.research.asu.edu/research-computing/get-started/create-an-account> and sign up for a research computing account on the ASU Agave public cluster. Under “Affiliated faculty”, put my name, and under “Affiliated faculty email” put smtowers@asu.edu

Under “research area” put “Mathematical biology, AML 612 course”

Under “department or school” put SALMCMSC

Login to MyASU and go to MyApps. In the search window, type “Cisco”. Download and install the Cisco AnyConnect client for your operating system.

Once you have your Agave research computing account (you will get an email), start the Cisco AnyConnect client application and login to sslvpn.asu.edu using your ASURite ID and password.

Then, in a browser window, go to the link <https://agaverstudio.rc.asu.edu/>

and login to R Studio Agave (this online interface allows you to run R scripts on the Agave high performance computing system). Send an email to me with a screenshot of the browser window (include the URL in the screenshot) showing that you have successfully logged in to R Studio Agave.

Bookmark <https://agaverstudio.rc.asu.edu/> for future reference.

In an upcoming class, I will show you how to submit an R script to many cpu’s at once on the Agave system.