

DRP Syllabus

Graduate Student Mentor: Anna and Alan

Undergraduate Student Mentee: Iris and Wei Jun

Project Title: Introduction to Computational Biology

Required Books: <https://link.springer.com/content/pdf/10.1007%2F0-387-28807-4.pdf>

*If you need to buy books or other materials for your project, email the program organizers because we may be able to ask the department for reimbursement. *We encourage you to keep costs low by using free books or library resources.*

Program Expectations

By participating in the SPA-DRP, we both agree to the following:

- We will meet either virtually or in person (following public health guidelines) for 1 hour per week this quarter (minimum of 8 meetings).
- Mentees will put in an additional 4 hours per week of work to prepare for the meetings. Mentors will put in however much time they need to prepare for meetings.
- Mentees will work with their mentors to prepare a brief yet polished writeup at the end of the quarter about what they learned. This writeup will be uploaded to CANVAS and posted on the DRP webpage.
- Mentees will work with their mentors to prepare a polished 10 minute presentation to give over Zoom to the other participants during the final week of the quarter. Slides should be uploaded to CANVAS and will be posted on the DRP webpage.
- Mentees will complete a mid-quarter and end-of-quarter feedback/reflection survey on CANVAS.
- Credit in Stat 499 is contingent on meeting these expectations.

Meetings

- When and how will you meet? (for example, will you set aside an hour at the same time each week for zoom meetings? Will you try to meet in person?)

Aim for in person since we will be on campus anyway.

Fridays 10:30-11:30!!!

We will meet on Floor 1 of Hans Rosling Center near the starbucks and then go look for table.

- How will you structure your initial meetings? This may be challenging in a virtual format- don't be afraid to switch it up midway through! For example, will the mentee present to the mentor? Will you go over exercises together?

First few weeks: Iris/Wei Jun read a textbook chapter at home, come ready to "present" what they learned and discuss.

Midway through quarter: be sure to start working on some exercises with coding and real data that we can go over during our meetings.

End of quarter; hopefully final project = applying something we learned to real data.

- How should the mentee prepare for each meeting? (for example, will they read and come with a list of questions? Work on problems? Read and come ready to present to the mentor?)

It will depend on which part of quarter and how things are going!!

Your Expectations

What do each of you hope to get out of the SPA-DRP this quarter? List a few concrete goals for the quarter.

Iris: statistics and computing intersect. So we'll be sure to do some coding and work with real data!

Wei Jun: working with real data!!

Mentor Signature: Anna Neufeld Alan Min

Mentee Signature: Wei Jun Iris Zhou