Introduction to Bayesian Statistics
Term Project

Spring 2019—AB 206—Mon,Wed 1:00pm - 2:15pm

Project overview

Graduate students will complete an independent research project. I encourage you to work on projects related to your graduate research, if possible. Separate rubrics and checklists will describe the standards for each item below.

Undergraduate participation

Undergraduate students may contribute to a project, if the graduate student(s) agree to direct and supervise their work. Undergraduate students will serve as "research assistants" with budget of no more than an average of 1 - 2 hours of work a week. In return, any undergraduate student will have to option to replace a midterm grade (50 points) with the graduate student group's evaluation grade. Also, I may ask undergraduate students to evaluate projects and vote towards the "best in class" project.

Detailed instructions and work products

For each part of the project, hand in a single assignment for the group, giving the names of all group members. Your group will share the grade for all parts of the project. Make sure to keep your own copies of submitted work as we go along.

1. Form groups up to 3 (due meeting 9): Form a group, if desired. You may work alone.
2. Present your research topic and recruit undergraduate students (due meeting 11): Give a 5-minute presentation to the class on your proposed research topic. After the talk, undergraduate students should express interest in working with any group.
3. Form the final group (due meeting 12): Submit your final group team, including graduate and undergraduate students.
4. Meet with your instructor (due by meeting 14): Set up a time with your instructor for 15 - 30 minute meeting to brainstorm about your project. At the end of the meeting, you should have a specific research question and plan of what sort of data you will gather and analyze.
5. Meet with your instructor (due by meeting 17): Set up a time with your instructor for 15 - 30 minute to generate a preliminary data analysis plan.
6. Meet with your instructor (due by meeting 22): Set up a time with your instructor for 15 - 30 minute to present preliminary results. Develop 1 - 3 key figures to bring to the meeting.
7. Submit a draft report (due by meeting 25): Submit a polished draft of your project final product. This will be either a written report or a poster.
8. Present and submit your final project (due meeting 28): Present and submit project final product. This will be either a written report or a poster.