

Statistics 416 Project

Each student should select one paper that involves statistical design and/or analysis of microarray experiments for presentation to the class. All authors of the selected paper must be from outside Iowa State University. Students should choose an interesting current paper that offers an appropriate challenge and will be of potential benefit to the audience (other Statistics 416 students). Once you have a paper in mind, please send a pdf to your instructor for approval before proceeding with your project.

Each student will make a 20-minute presentation on the selected paper. A 5-minute question and answer period will follow each presentation. Students who are not presenting should be in the audience learning from the presentations of the other students. All students will be asked to provide an evaluation of each presentation using a form like that on the second page of this document. I will use the same form to evaluate each presentation and will assign a score between 0 and 100 to each presentation after viewing all presentations and peer evaluations of the presentations. The presentation will make up 15% of your overall course grade.

I will be looking for clear evidence of comprehension and serious thought about the presented paper. I should be able to understand the presentation without reading the paper. Presentations that are difficult to understand without consulting the paper will score lower than presentations that are more self contained. Presenters should comment on positive and negative aspects of the work. If appropriate, describe how to improve the proposed methods. You may also wish to raise questions unaddressed by the authors that came to mind while reading the paper. After reading your presentation, I should have a good idea of how well you understood the paper and how much thought you put into your evaluation of the paper.

Please practice your presentation multiple times before the day of your presentation. You must conform strictly to the 20-minute time limit. You do not need to present every detail of the paper. Choose the main ideas that you want the audience to understand and focus your presentation accordingly. Do not attempt to read your presentation from slides or from notes. Do not memorize your presentation word for word. Plan what you wish to say, and say it clearly and confidently in a natural way.

We will start presentations promptly at 2:10. Please arrive in the classroom before 2:10. Students that wish to present PowerPoint or pdf slides should provide me with the appropriate file the morning of the presentation. My laptop will be connected to the classroom projector and available for use by all students. I recommend PowerPoint or pdf presentations, but other types of presentations are welcome.

Presentation time slots have been randomly assigned as follows:

	2:10	2:35	3:00
Thur. 4/23	Erin	Jacqueline	Dingxia
Tues. 4/28	Curt	Yves	Xilan
Thur. 4/30	Lei	Julie	Course Evaluations

Reviewer: _____

Student Reviewed: _____

Please rate the presentation on each of the following criteria. For each item, 1=poor, 2=below average, 3=average, 4=good, 5=excellent.

1. The presenter pronounced words clearly, spoke at an appropriate speed, used proper grammar, was loud enough to be heard, and made eye contact with the audience.

1 2 3 4 5

2. The visual materials displayed during the presentation were well constructed (e.g., the slides were legible, well organized, and useful for the audience).

1 2 3 4 5

3. The subject of the presentation was interesting and/or useful for the intended audience.

1 2 3 4 5

4. Overall presentation was clear for the intended audience (STAT 416 students).

1 2 3 4 5

5. The presenter thought carefully about the strengths and weakness of the research.

1 2 3 4 5

6. Overall the presenter appeared to have a good grasp of the material and presented it well.

1 2 3 4 5

Additional Comments (if any):