

For the project you should do the following:

1. **(Option 1 – Published Article About Clinical Trials)**. Find a scientific article that describes phase III clinical trials. Look for relatively recent articles (published within the past 5 years). We have access to electronic journals through the university library. Some suggestions are Contemporary Clinical Trials, Journal of Biopharmaceutical Statistics, Statistics in Medicine, Statistical Methods in Medical Research, The New England Journal of Medicine, and Computational Statistics & Data Analysis. Find an interesting article that uses a lot of terminology from Chapter 1 of our textbook, talks about some of the designs from Chapter 2, and some of the analyses from Chapters 3 and/or 4.  
  
**OR (Option 2 – Theoretical Topic)**. Choose a theoretical topic that we didn't cover in the lectures and present it. But choose not a completely new topic, but an extension of what we already know.
2. Email me the article and a one-paragraph summary (if you choose Option 1) or the theoretical topic of your choice and some ideas of how to tackle it (if you choose Option 2) by **Wednesday, November 13, 2024, at 10 PM**. Send it to **stat592f24@mail.com** with "Project" in the subject line and wait for my **firm approval**.
3. Prepare a **12-minute** PowerPoint presentation to talk about your project.
4. Email me your slides for my **firm approval** at least **one day** before your presentation. Send them to **stat592f24@mail.com** with the subject "Slides". The slides should contain an elegant design, an attractive first slide with the title and your name, page numbers, and a gorgeous thank-you slide (see the sample slides).
5. Give your PowerPoint presentation at one of the two sessions on **December 4 and 11** (see the presentation schedule for details).
6. When listening to other presentations, you will be required to fill out a **questionnaire** (see the posted file). Your participation will be graded based on how well you complete the questionnaires. Presenters' grades will be based on your answers to those questionnaires. Please **print 8 questionnaires** (they are two per page). You will be listening to 8 presentations and filling out 8 questionnaires.
7. Write a brief **report** on your project. It should contain a beautiful cover page, one or two pages of write-up, consisting of introduction, background, study description, results, and conclusion (if Option 1), or formulas and explanations (if Option 2) (see the sample report). The report will be due in pdf format and sent to **stat592f24@mail.com** by 10 PM **on the day of your presentation**.
8. Your score for the project will be based on: slides (25 points), presentation (25 points), attendance (25 points), and project report (25 points).