Course Objectives

Foundations of clinical research
  o Organization and workflow
  o Reproducible research
  o Visualizing and presenting results
Course Objectives

Using STATA for

- Data management
- Basic statistical and epidemiologic analysis
- Reproducible reports
- Publication quality tables and figures
Logistics

7 Lectures
- Tuesdays 1:15 – 2:15 pm (all times in PDT)

7 Computer labs
- Tuesdays 2:30 – 4:00 pm  - OR -  
- Wednesdays 6:00 – 7:30 pm

5 Assignments
- 4 shorter assignments (12.5%)
- 1 double assignment/midterm (25%) – Due August 25th

Final project (25%)
Office Hours

Fridays 8:30 – 10:00 am PDT via Zoom
Link will be posted on the CLE
Course Website

- https://courses.ucsf.edu/course/view.php?id=7514

- Pre-recorded lectures
  - Available typically ~ 1 week in advance
  - Any LIVE sessions (including labs & office hours) will NOT be recorded!

- Resources on the course website
  - Stata commands
  - External resources/cheat sheets
POST QUESTIONS HERE!!!
But, I hate spam...

Settings for forum preferences and notification preferences:
To pass the class:

- Turn in all 5 assignments, even if late
- Satisfactory final project
- Attendance is NOT required (but highly encouraged!)
Grading

• Letter grades: Standard cutoffs
  • 90-100%  A
  • 80-89%  B
  • 70-79%  C
  • 60-69%  D
  • <60% or Course Requirements not met:  F

• Satisfactory/Unsatisfactory
  • >80%  Satisfactory

• Late assignments/finals will receive a maximum of half credit

• No attendance requirement, but please attend if you can!

• TICR Grading policy
  • [http://www.epibiostat.ucsf.edu/courses/masters/grading_policy.html](http://www.epibiostat.ucsf.edu/courses/masters/grading_policy.html)
  • Note that the epibiostat.ucsf.edu and ticr.ucsf.edu sites are still down as of 7/20/20 – please contact Clair Dunne (Clair.Dunne@ucsf.edu) if any questions
Lecture Topics

1) Introduction to Statistical Computing
2) Data Exploration + Project Organization
3) Data Management and Cleaning Part 1
4) Data Cleaning Part 2
5) Data Visualization
6) Basic Commands for Statistics + Tables
7) Intro to Epi Concepts + Reproducible Documents
Computer labs

• Mini quiz on CLE (to get access to HW assignment)

• Time to work on your assignments

• Time to ask questions and get help
• **Preferred** that you have STATA 16, will support STATA 15 as well

• Can access STATA via MyResearch if necessary (can be unstable, setup is tricky for Mac users)

• IC okay for this course, but limited memory for real projects

• Recommend SE


• [https://it.ucsf.edu/directory/team/it-service-desk](https://it.ucsf.edu/directory/team/it-service-desk)

• **Please be ready to use STATA for the first lab session!**
Assignments

• 5 Assignments
  • One assignment is a double assignment—worth the same as the final

• Due 1 week after assigned
  • Please upload by 1:00 PM on the due date

• Assignments turned in late will receive only half credit

• ALL assignments must be turned in to pass the class

• OK to work on your assignments with classmates but please turn in your own work
Final Exam

• Due September 15th (1 week after the last class)

• Will have 2 weeks to work on it
Introduction to Statistical Computing in Clinical Research

BIOSTAT 212, Summer 2020

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