Welcome to STA101!

Summer Session I 2021

May 12, 2021

Department of Statistical Science, Duke University

Course basic info

The instruction team:

Name	Email	Office hours
Fan Bu (Instructor)	`fan.bu1@duke.edu`	Wed & Fri 7-8pm
Rick Presman (TA)	`rick.presman@duke.edu`	Mon 3-5pm
	(starting May 17)	Tue & Thu 7:15-8:15pm

NOTE: If no office hour times work for you, ask questions on the discussion forum (*Ed Discussion*), or contact the instructors for an appointment.

Course basic info

Class meeting times:

- **Lectures**: 10-11:15AM(EDT), every day Mon-Fri
- **Labs**:
  - synchronous session: 19:00-20:15PM(EDT), Tue & Thu
  - asynchronous session: recordings of the live sessions will be posted to Sakai for your reference
- All live sessions are on *Zoom* (click tab on Sakai to access)

Resources

- **Course website**: `https://sites.google.com/view/sta101-001-summer2021/`
- **Textbook**: *OpenIntro Statistics, 4th Ed.* (free to download via `https://leanpub.com/openintro-statistics`)
- **Assignment submission** on *Gradescope* (click tab on Sakai, or log on to `https://www.gradescope.com/` with your Duke credentials)
- **Discussion** on *Ed Discussion* (click tab on Sakai, or go to `https://edstem.org/us/courses/5624/discussion/`)
- **RStudio**: install locally or reserve at `https://cmgr.oit.duke.edu/containers`

The plan

- Intensive course, with $\sim$ 2 or 3 days per chapter in the text (9 in total)
- Time commitment: $\sim$ **20** hours of work (including lecture time)
- Schedule on the course website (bottom of Homepage)

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- For each chapter you're expected to
  1. read the textbook (can skip case study and examples) - try to read the book before the lecture!
  2. finish the application exercises (AE) - partially done in class, but needs extra time to finish
  3. complete the problem sets (**graded**) - individual assignments
  4. go over the lab and finish all exercises (**graded**) - group assignments

Assessments

- **Mid-term**. Online test on Sakai - pick a 2-hour time slot to finish between 00:01am May 28 and 11:59pm May 30.
- **Final**. Online test on Sakai - pick a 2-hour time slot to finish between 8am June 23 and 8am June 24.
- **Project**. Conduct practical data analysis to study research questions of your own choosing - group work
  - Proposal due June 4
  - Presentations on June 17 and 18
  - Report due June 21

Grading policy

Item	% of grade
Participation in class & on forum	5%
Labs (group)	15%
Problem sets (individual)	15%
Mid-term	20%
Final	20%
Project (group)	25%

Don't be late! Late by < 24 hours lose 50% points; if late for > 1 day, no credit.

Lowest grade of labs and problem sets will be dropped.

Assignment submission

Submit everything on *Gradescope*, if not otherwise specified.

- Problem sets: all problems are exerices in the *OpenIntro* book;
  - (Recommended!) you can write in Word, RMarkdown or LaTex (if you know LaTex);
  - OR you can hand write + scan and submit a pdf.
  - If you choose to write by hand, hand-writing MUST be legible!
- Labs: work in 3-person teams, knit the Rmd file into a pdf file and submit.
- Project proposal and report: write in Rmd (or word processor of your choice) and submit as a pdf.

Gettng to know each other

Tasks after today's class:

1. Upload a picture of yours on Sakai and include a pronounciation of your name if needed (under "Profile")
2. Say Hi to everybody and briefly introduce yourself on the discussion forum – it's also a great place for you to find teammates for the project!