Chapter 0: Introduction to the Course

DSCC 462

Computational Introduction to Statistics

Anson Kahng

Fall 2022

Welcome to DSCC / CSC / TCS 264!

- People:

  - Anson Kahng (professor)

  - Gaurav Chattree (TA)

  - Mohamad Ali Kalassina (TA)

- Topics:

  - Descriptive statistics

  - Probability, combinatorics, and distributions

  - Hypothesis testing and statistical inference

  - ANOVA

  - Regression

  - Case studies (in practice)

Logistics

- All course materials are on Blackboard

  - Syllabus

  - Lecture slides

  - Assignments (and, eventually, solutions)

  - Recitation materials

  - Course schedule

  - Class recordings

Logistics

- Office hours:

  - Anson: Tues/Wed/Thurs 9-10 am, appointment only, Wegmans 2401 or Zoom

  - Gaurav: Tues 1-2 pm, Wegmans 1219

  - Mohamad: Wed 2-3 pm, Wegmans 1219

- Grade components:

  - Homework assignments: 35% (7 assignments, 5% each, due every other Thurs, 4 pm)

  - Participation: 15% (lectures, highly recommended recitation – **survey**)

  - Midterm: 30% (November 8)

  - Final project: 20% (proposal, video presentation, written report)

Required Materials

- No required textbook (two recommended resources on the syllabus)

- R and RStudio (free downloads online)

- TeX (personally, I recommend Overleaf)

Academic Honesty

- You may always discuss assignments / lectures with each other; you are not allowed to share code or written output for assignments

    - Sending each other lecture notes is fine

- The use of online solution sets or paid online resources (e.g., Chegg) is forbidden

- You are encouraged to work collaboratively in class (especially during the case studies toward the end of the semester) and in recitations