STOR 557:
ADVANCED METHODS OF DATA ANALYSIS
Instructor: Richard L. Smith

Class Notes:

August 24, 2021

THE UNIVERSITY
of NORTH CAROLINA
at CHAPEL HILL
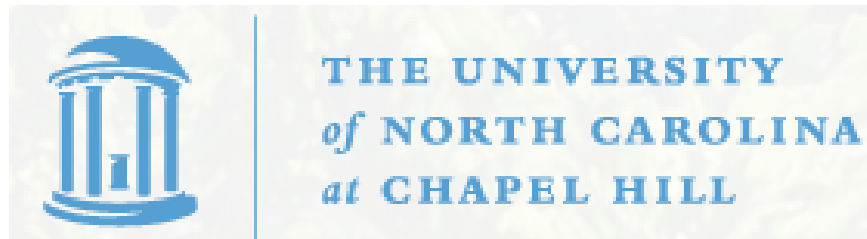
CLASS ANNOUNCEMENTS

1. Office hours — confirmed as Mondays 11:00 am–noon; Tuesdays 2:00-3:00 pm, and Wednesdays 10:00-11:00 am. **For this week only, I am changing the Wednesday office hour to 3:00-4:30 pm and it will be remote only — use zoom link in course syllabus**

2. I apologize for not making clear that I wasn't planning an office hour yesterday. If you were trying unsuccessfully to contact me, please try again (email or ask me at the end of class today)

3. Homework 1 due Thursday but I will consult with class about this. Please note clarification of question in Part 1.

FURTHER COMMENTS ON CLASS POLICIES

- Although all students are expected to attend class in person, there still seems to be considerable confusion about exactly what the rules are

  – It's not my intention to penalize students for not attending class. Nevertheless, I appreciate being informed if you are unable to do so.

  – If you're vaccinated and masked, attending class (for you and me) should be a low-risk activity, even if some class members are infected with COVID-19 or the delta variant

  – Nevertheless, if you test positive or are in contact with someone who is, I recommend not coming to class. Please let me know and I will excuse you.

  – Conversely, if I become infected I will let you know that and most likely switch to virtual until I am fully cleared to return

  – Any concerns, feel free to discuss with me

General Policies Regarding Homeworks and Take Home Exams

- To be handed in using Gradescope 1.3 (via sakai)

- Handwritten and computer-generated (e.g. Word, Latex) are acceptable. If handwritten, preferably use a scanner rather than iphone camera

- I will also accept (and encourage) solutions to be handed in in R Markdown. However, a few cautions:
  - Edit and annotate your R Markdown script before handing in. I don't want to see huge amounts of computer printout that have no relevance to the question. I *do* want you to explain what you are doing.
  - Above all: *Always Answer the Question.* You'll be amazed how many students forget this absolutely basic principle of any assignment or exam!

SAVING R MARKDOWN AS PDF

- R Markdown not required — another way to prepare your homework assignments is to create a word document and cut and paste tables and figures you want from R (however, if you do that, make sure you "save as" as pdf file)

- In R Markdown, select "Knit" from the top panel. There's a pull-down menu, select "pdf".

- To do this, you must have a latex package installed. If you don't have one, please install Miktex (free package, google the name for details)

- You can also save as an html file and then convert that file to pdf. However, I think you need the Acrobat package (not just the reader) installed to do that.

- If you can't figure out how to save your file as pdf, we will accept an html file for your homework