Statistics 2023 Honors
Fall 2020

Instructor Hani Doss—222 Griffin-Floyd; email: doss@stat.ufl.edu; Office Hours: They will be MWF period 3 (9:35am–10:25am), and you may either call me on my cell phone or talk to me via zoom. However, depending on the situation it may be more convenient to set up a personal zoom meeting at a different time. I will email the class the following information, which you should not give out to anyone who is not in the class: my cell phone number; my zoom personal ID; and the username and password for the parts of the course webpage that are password protected.

Teaching Assistant Tingting Wang—email: wangt1@ufl.edu.

Course Description and Objectives STA 2023 Honors is an introductory statistics course which does not assume knowledge of calculus, but that nevertheless presents basic statistical concepts and methods at an advanced level. The primary goals of the course are to enable the students to develop a firm understanding of the fundamental ideas behind statistical reasoning and to learn some of the basic techniques of data analysis. An advanced statistical computing language will be used for the computations and graphics.

Grading Your final course grade will be based on the five components below, with their stated weights:

Exam 1:	Wednesday October 7, 8:20 pm; covers everything up to and including the lecture of Monday October 5. Note the evening time slot.	25%
Exam 2:	Friday November 13, 8:20 pm; covers all material after Exam 1 up to and including the lecture of Mon November 9. Note the evening time slot.	25%
Exam 3:	Saturday December 12, 12:30–2:30pm; covers all material after Exam 2.	25%
HW:	There will be about 10 homeworks assigned during the semester.	13%
Projects:	There will be two projects assigned during the semester.	12%

A course average of 93–100 will guarantee an A, 90–92 at least an A^-, 87–89 at least a B^+, 83–86 at least a B, 80–82 at least a B^-, etc. (The actual cutoffs for the grades will almost certainly be much lower than these numbers.)

Text *Introduction to the Practice of Statistics*, by David S. Moore, George P. McCabe, and Bruce Craig, 9th edition, Freeman, 2017. Note: getting the 8th, 7th, or even the 6th edition is perfectly fine, and is cheaper.

Software We will use the free statistical computing language R. You should download it from `https://www.r-project.org` and install it before Friday September 4. You may wish to also download Rstudio from `https://www.rstudio.com` (go to `https://www.rstudio.com/products/rstudio/download` to get the free Open Source License).

Coverage Very roughly, we will cover the material in Chapters 1–7 of the text; however, the level of this course is much higher than that of the book, so there is no real correspondence between what we cover and these chapters. *Note that there will be material covered in the lectures which is not found anywhere at all in the textbook, and you will be responsible for that material.*

Course Web Page `http://www.stat.ufl.edu/~doss/Courses/sta2023h`

A username and password are needed to enter the Homeworks and Videolectures-and-notes folders. These will be emailed to the class.

Course Policies Makeup exams must be approved before the time of the exam and will be given only in case of medical or family emergencies, or conflicts with other exams (any of which must be appropriately documented).

All emails to me or the TA must have the string "2023h" in the subject line (so I can retrieve emails quickly) and must be sent from your official UF mail account.

Students with disabilities requesting accommodations should first register with the Disability Resource Center (352-392-8565, `www.dso.ufl.edu/drc`) by providing appropriate documentation. Once registered, students will receive an accommodation letter which must be presented to me when requesting accommodation. Students with disabilities should follow this procedure as early as possible in the semester.

PLAN FOR ONLINE INSTRUCTION

Lectures We will use Zoom. Every time I create a zoom lecture, I will install it on our course web page in the folder Videolectures-and-notes and send you an email to that effect. The basis for each video lecture will be a set of slides, which will be considerably more detailed than the slides I make for the face-to-face version of the course, to take into account that I will not have two blackboards. In each video lecture, I will go over the slides, adding explanations and details. I will install in Videolectures-and-notes a pdf file containing the slides. You should print the pdf file prior to watching the video, so that you can write notes on it.

Homework Every time I create a homework assignment I will notify you by email. You will download the assignment from the Homeworks folder on the course web page. Homeworks are to be emailed by noon on the day that they are due. Late homework will not be accepted. The homeworks will typically have two parts, a handwritten part for the "traditional" problems, and a report part for problems that involve R. You may write the solutions to the traditional problems by hand on paper and then scan the paper. The solutions to problems that involve R should be typed in a pdf file (save the report as pdf, because I don't want to deal with Word files). You should email the homeworks to the TA, Tingting Wang (`wangt1@ufl.edu`), and not to me. The TA will email you the graded homeworks (with cc to me). Some time in the afternoon of the day on which the homework is due, I will install the solutions, and I will notify you by email when I have done so.

Exams The exams will be take home. I will email you the exam as a pdf file, you will print it, write your solutions on the printed file, sign a statement that you have not given nor received any help on the exam, scan the exam and email it to me (me, not the TA) within the two-hour limit. Please write very legibly, because scanning reduces resolution. I will email you the graded exam. Have a calculator handy.

Privacy and Legalese Almost all lectures will be done asynchronously, meaning non-live, so you will not be able to ask questions during the lecture (you can ask questions during office hours of course), but you will be able to watch the lecture any time you want. A few lectures (e.g. reviews) will be done synchronously, to give you an opportunity to ask questions. These lectures will be recorded, and if you are unwilling to consent to be part of the recording, then don't ask questions and have your camera turned off. As in all courses, unauthorized sharing of recorded materials is prohibited.