

## Instructor

Name: Christopher R. Bilder, Ph.D.

Office: Hardin Hall 342C

Office hours: Tuesdays after class for one hour, Thursdays at 9:30AM-10:30AM, and by appointment; all office hours are Zoom only (see Canvas for address)

E-mail: [bilder@unl.edu](mailto:bilder@unl.edu)

STAT 801 website: Available through [www.chrisbilder.com](http://www.chrisbilder.com); some additional items will be available on Canvas

Lab instructor: Ved Piyush ([ved@huskers.unl.edu](mailto:ved@huskers.unl.edu))

Office hours: Fridays 10:15-11:15AM and by appointment; all office hours are Zoom only (see Canvas for address)

## Textbooks

Ott, R. and Longnecker, M. (2016). An Introduction to Statistical Methods & Data Analysis, 7<sup>th</sup> edition.

Optional: The student solutions manual for the book (ISBN-13: 9781305269484)

## Prerequisites

Previous introductory course in statistics like STAT 218

## Grades

Grades will be based upon the following:

	<b>Tests*</b>	<b>Final Exam</b>	<b>Projects, Quizzes, etc... **</b>
<b>% of grade</b>	50%	20%	30%

\* There will be three tests during the semester, and the lowest grade of these tests will be dropped. The remaining two tests each will be worth 25% of your grade. If you miss a test, this will be your drop test. This policy includes class absences that are “university excused” or due to extenuating circumstances. If you miss more than one test, please contact me to discuss the situation and include any documented proof needed to support your case.

\*\* This part will be based on the total number of points earned out of the total number of points possible.

Grading Scale:

<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>F</b>
$\geq 90\%$ and $\leq 100\%$	$\geq 80\%$ and $< 90\%$	$\geq 70\%$ and $< 80\%$	$\geq 60\%$ and $< 70\%$	$< 60\%$

+ and – letter grades are 2.5% from the above cut off points. For example, A<sup>-</sup> is 90-92.5% and B<sup>+</sup> is 87.5-90%.

You are required to turn in all projects electronically, and all projects need to be completed in Word or PDF documents. A project completed in an unreadable or unprofessional manner will be returned to the student. The project may be redone and turned in again; however, points will be deducted from the grade. No late projects, quizzes, etc. will be accepted.

I recommend completing the projects in groups. If you work in a group, all group members are expected to participate equally and have a complete understanding of all components for it. I will lower a student's project grade if he/she does not abide by this group work policy.

### **Statistical software**

The statistical computing software package R will be used extensively to perform calculations in this class. R is available for free from <http://www.r-project.org>. The specific link to download the Windows version is <http://cran.r-project.org/bin/windows/base>.

### **Class recordings**

All classes will be recorded during the semester. These recordings will be posted to the Internet for students in this course and others not enrolled in this course to use for educational purposes. Please do not abuse the availability of these recordings by skipping class! I recommend using the recordings as a way to review and as a back-up if extenuating circumstances prevent you from attending class.

### **Final exam**

The final exam is scheduled for 10:00AM to 12:00PM on Saturday, November 21.

### **Expectations of students**

Students are expected in this class to

1. Understand all the material in the course notes
2. Understand all R code and calculations
3. Reproduce all parts of the examples in the course notes
4. Review the class recordings
5. Complete the homework
6. Ask questions when something is not clear

### **Additional statements**

Please see the online syllabus supplement for additional statements that are required to be part of all syllabi at UNL.