THE OHIO STATE UNIVERSITY

SYLLABUS:
STAT 1350.02 – ELEMENTARY STATISTICS
SPRING 2023

Course overview

Instructor

Dr. Michelle Everson

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Office: 415 Cockins Hall

Office hours: Office hours: Tuesday and Thursday 11 a.m.-12 p.m. (in 415 Cockins Hall), and by appointment (either in-person or via Zoom).

Teaching Assistants

Seth Adarkwah Yiadom (adarkwahyiadom.2@osu.edu) and Stephen Dignan (dignan.18@osu.edu)

> **MSLC Tutoring:** Free online and in-person drop-in tutoring from our teaching assistants will be available through the Mathematics and Statistics Learning Center (MSLC). Tutoring will officially begin at the start of Week 2 of the semester; details about when tutoring will be available for STAT 1350 can be found on our CarmenCanvas site (see the link to **Instructor Office Hours and MSLC Hours** on the **Syllabus & Other Stuff** page).

Course description

STAT 1350 is a 3-credit statistical literacy course designed to help you become thoughtful and critical consumers of statistics in everyday life. This particular section of STAT 1350 is mostly online, with asynchronous lectures each week and in-person recitations. Lectures are in the form of pre-recorded videos, and there will be weekly assignments that you will submit through our course management system. You will learn in this course about how data is produced,

organized, and summarized. You will also learn about how samples of data can be used to make inferences about populations.

General education goals and expected learning outcomes

This course satisfies the General Education foundation requirement in *Mathematical and Quantitative Reasoning or Data Analysis* which has the following goals and expected learning outcomes:

Goals: Successful students will be able to apply quantitative or logical reasoning and/or mathematical/ statistical methods to understand and solve problems and will be able to communicate their results.

Expected Learning Outcomes (ELOs): Successful students are able to:

1.1 Use logical, mathematical and/or statistical concepts and methods to represent real-world situations.

1.2 Use diverse logical, mathematical and/or statistical approaches, technologies and tools to communicate about data symbolically, visually, numerically and verbally.

1.3 Draw appropriate inferences from data based on quantitative analysis and/or logical reasoning.

1.4 Make and evaluate important assumptions in estimation, modeling, logical argumentation and/or data analysis.

1.5 Evaluate social and ethical implications in mathematical and quantitative reasoning.

This course also satisfies the Legacy General Education requirement in *Data Analysis* which has the following goals and expected learning outcomes:

Goals: Students develop skills in drawing conclusions and critically evaluating results based on data.

Expected Learning Outcomes:

1. Students understand basic concepts of statistics and probability.

2. Students comprehend methods needed to analyze and critically evaluate statistical arguments.

3. Students recognize the importance of statistical ideas.

Course Materials

The required textbook for this course is *Statistics: Concepts and Controversies* (10th edition) by David Moore and William Notz. The textbook will be delivered electronically via CarmenBooks. If you opted in, you will go into our CarmenCanvas course site, click on the **Macmillan Higher Education** link on the left side of the page, and then click on the icon that says **Achieve**.   If this is your first time using Achieve, you'll be prompted to confirm your name and email address. This will then allow you to log in to our STAT 1350 Achieve site. Using other resources in Achieve is not required this semester, but this is where the electronic version of the "*Statistics: Concepts and Controversies*" textbook is housed. To get to the electronic textbook, hover your mouse over the menu bar on the left side of the Achieve page and then click on the link to the **E-book**. More details about accessing the textbook can be found in CarmenCanvas in the **Syllabus & Other Stuff** section, on the **Accessing the Course Textbook** page. CarmenBooks is an Inclusive Access program that offers digital copies of selected textbooks for a fraction of the cost of a new, physical copy. If you register for a course using CarmenBooks, you will see this discounted textbook cost reflected as a course fee. When enrolling in courses in BuckeyeLink, you will see the text "Digital Textbook Fee" under the "Enrollment Information" section. For more information, see: https://affordablelearning.osu.edu/carmenbooks/students

A simple calculator (with a square root key) will be necessary for STAT 1350; there is no need to have a graphing calculator for this course.

Course Technologies

Technology support

For help with your password, university email, CarmenCanvas, or any other technology issues, questions, or requests, contact the Ohio State IT Service Desk. Standard support hours are available at ocio.osu.edu/help/hours, and support for urgent issues is available 24/7.

- **Self-Service and Chat support:** ocio.osu.edu/help
- **Phone:** 614-688-4357(HELP)
- **Email:** servicedesk@osu.edu
- **TDD:** 614-688-8743

Technology skills needed for this course

- Basic computer and web-browsing skills
- Navigating CarmenCanvas (go.osu.edu/canvasstudent)
- CarmenZoom virtual meetings (optional) (go.osu.edu/zoom-meetings)

Required equipment

- Computer: current Mac (MacOs) or PC (Windows 10) with high-speed internet connection

- Webcam: built-in or external webcam, fully installed and tested (only necessary if you wish to meet with us via Zoom)
- Microphone: built-in laptop or tablet mic or external microphone (only necessary if you wish to meet with us via Zoom)
- Other: a mobile device (smartphone or tablet) to use for BuckeyePass authentication

Required software

- Microsoft Office 365: All Ohio State students are now eligible for free Microsoft Office 365. Full instructions for downloading and installation can be found at go.osu.edu/office365help.
- There may be statistical software tools that we will ask you to use for different course assignments, but these will all be freely accessible via websites that we will share with you.
- We strongly encourage you to avoid using Safari as an internet browser because we have found that certain images in assignments and exams do not show up well in Safari. Details can be found at https://teaching.resources.osu.edu/toolsets/carmencanvas/faqs#item578. If are able to use Chrome, Firefox, or Microsoft Edge, we hope you will do this.

CarmenCanvas access

You will need to use BuckeyePass (buckeyepass.osu.edu) multi-factor authentication to access your courses in CarmenCanvas. To ensure that you are able to connect to CarmenCanvas at all times, it is recommended that you take the following steps:

- Register multiple devices in case something happens to your primary device. Visit the BuckeyePass - Adding a Device help article for step-by-step instructions (go.osu.edu/add-device).
- Request passcodes to keep as a backup authentication option. When you see the Duo login screen on your computer, click **Enter a Passcode** and then click the **Text me new codes** button that appears. This will text you ten passcodes good for 365 days that can each be used once.
- Download the Duo Mobile application (go.osu.edu/install-duo) to all of your registered devices for the ability to generate one-time codes in the event that you lose cell, data, or Wi-Fi service

If none of these options will meet the needs of your situation, you can contact the IT Service Desk at 614-688-4357(HELP) and IT support staff will work out a solution with you.

How This Online Course Works

In this course, you will attend watch asynchronous lecture videos each week and attend an in-person recitation one time each week. The best way to get started with this course is to spend some time exploring the CarmenCanvas course website. Go to https://carmen.osu.edu/# to log on to CarmenCanvas. You should then see a link for the STAT 1350 site. Look carefully at the way

the course site is set up. On the homepage of the course site, there are links to the different weeks of the semester, and clicking on those links takes you to a detailed overview that contains all materials you need for any given week, including links to our lecture videos. **We suggest you start each new week by reading through the weekly overview, reading assigned textbook chapters, and watching lecture videos**. Please note that our lecture videos are meant to explain and expand on the important ideas and concepts that will be included on assignments and assessments. Often, we might even work through examples that are practically identical to problems you will see on assignments and assessments. We strongly encourage you to download the lecture slides that accompany the links to our lecture videos on CarmenCanvas, within each weekly module, and take notes as you are watching the videos. These notes can then be referred to when it comes to tackling assignments and exams.

You are expected to check the CarmenCanvas course site regularly, and we encourage you to customize Carmen notifications to stay on top of course announcements and activities (https://resourcecenter.odee.osu.edu/carmencanvas/setting-notification-preferences). In particular, important communication in the course will be done through announcements posted on the course site and email messages sent through the course site. You are responsible for any information that is included in our announcements, so it is important to read those announcements fully and carefully.

There will be assignments due weekly in this course. These are described in more detail in the next section of this syllabus and in handouts on the CarmenCanvas course website. Our hope is that recitation can be a time when you can work through some of these assignments with your peers and receive help on these assignments.

Based on the recitation section you signed up for, you will be assigned to a particular teaching assistant who will lead your recitation, grade your weekly lab activities, and attempt to help answer questions for you. Your assigned teaching assistant is the first person you should talk to when you have questions or concerns. If that teaching assistant cannot help you, the instructor (Dr. Everson) will intervene. Your assigned teaching assistant will meet with you during Week 1 for your first recitation of the semester. Note that if you are ever in doubt about who your assigned TA is, go to https://buckeyelink.osu.edu/ and click on My Buckeye Link to look up your class schedule; the TA will be listed as the instructor for the recitation portion of STAT 1350. To learn more about your instructor and teaching assistant, you can visit the **Meet your Instructors** page, found by clicking on the **Syllabus & Other Stuff** button on the course homepage.

Grading and Assignments

Grades

Category	Points	Percentage
Lab Activities	120	35%
Homework Assignments	120	35%
Participation	22	6%
Midterm Exam	40	12%
Final Exam	40	12%
Total	342	100%

Assignment information

You can earn up to 342 points in this course by completing the following assignments and assessments.

Lab Activities

There are 13 lab activities that you will complete during the semester, with your lowest lab activity grade being automatically dropped from your final course grade at the end of the semester. You can therefore miss one lab activity and not have it count against your grade. Each lab activity is worth 10 points. Lab activities are meant to provide you with opportunities to apply and extend what you are learning from lecture and assigned textbook readings. These are activities that we hope you will be able to work through each week, with your peers and your assigned teaching assistant, during recitation. **We don't expect you to complete lab activities during recitation, but we will always allow time during recitation for you to get started on lab activities, talk through the activities with your peers, and get immediate assistance from your teaching assistant. You will then submit your final work through CarmenCanvas by the end of the week.**

During the weeks in which you have lab activities, links to the activities will be posted within the weekly overview. You can also get to the lab activities by clicking on the **Assignments** link on the left side of the course page. The lab activities will include several questions that will require short answers, and you should always save your work as a Word or PDF file and then submit it through the appropriate link within the weekly module (or by going back to the **Assignments** section). Lab activities are always due on **Fridays** by **11:59 p.m.** Although we encourage you to review the activities before your weekly recitation, this is not mandatory. Just remember that recitation is

a time to discuss the activities with your peers. Recitation is also a time to get help from your teaching assistant if you are struggling with the content for a given week, to review important ideas, and to learn more about problem-solving strategies. We also hope you will post questions about lab activities (and homework assignments) outside of class time in the appropriate CarmenCanvas discussion forums on the course site if you need extra help. Separate forums will be set up each week for questions related to the content for the week.

Each lab activity will be graded based on effort and correctness. If you make a clear effort to answer all lab activity questions, regardless of your answers, you will get 50% (or 5 points) on the assignment. The remaining 50% (or 5 points) of the grade will be based on a selection of problems that we will grade based on correctness*. It is therefore very important that you answer <u>all</u> questions on each activity and ask for help if you need it! The teaching assistants will grade your lab activities, and you can generally expect feedback within 7 days. Prior to sharing individual feedback with you, we will post an answer key for the lab activity on CarmenCanvas within one day of the lab activity deadline, in our **Syllabus & Other Stuff** section, so you can get immediate feedback.

Please keep in mind that if you do not get full credit for a lab activity, we will attempt to share information with you about why you lost credit. You can view that information by going back to the **Assignments** section and clicking on the link of the assignment name. We'll either make marks in your assignment document to indicate where you lost credit, or we will leave an assignment comment for you to read with that information. It is up to you to look carefully through any feedback we share with you and ask questions if you have concerns about problems you missed. Further, if you get full credit on a lab activity, this only means that you completed the activity and did well on the questions we selected to grade. You might have missed other, non-graded questions. For this reason, it's extremely important to look through the lab answer keys since questions on homework assignments and exams might be based on non-graded lab activity questions.

Homework Assignments

There are 13 homework assignments that you will complete during the semester, with your lowest homework assignment grade being automatically dropped from your final course grade at the end of the semester. Each homework assignment is worth 10 points.   Links to homework assignments can be found within the weekly modules or by going to the **Quizzes** link on the left side of the CarmenCanvas course page.

To make sure you stay on top of the material in the course, there are almost WEEKLY homework assignments (beginning Week 1 of the semester). Each homework assignment consists of 10 multiple-choice questions, and we set the assignments up this way to give you practice with the types of questions that will appear on your exams. Each question is worth 1 point, and you will complete these assignments through Carmen by the appropriate deadline. Homework assignments will always be due on **Sundays** by **11:59 p.m**. Although the homework assignments are set up using the quiz tool in CarmenCanvas, they are not "quizzes" in the traditional sense.

You can have as much time as you need to complete homework assignments before the deadline, and you can use your textbook and lecture notes, but once you officially submit your work to be graded, you cannot change any of your answers, and you get just one attempt to work on each homework assignment.   Once the deadline has passed, the assignment will be automatically graded and you will receive feedback. Please refer to the document "**Completing Homework Assignments and Reviewing Feedback**" in the **Syllabus & Other Stuff** section of the course website for details on how you can see feedback on your homework assignments. If you do not attempt to complete a homework assignment at all, you **will not** have any access to assignment feedback or to the correct answers for each homework question, so it's to your advantage to at least try to work through each assignment and not completely skip any assignment.

Links to Word and PDF copies of each homework assignment can be found within the weekly overviews, within the **Syllabus & Other Stuff** section, or by clicking on the assignment link in the **Quizzes** area, just in case you'd like to print out the assignment and make note of your answers before officially submitting your work through the quiz tool.

Participation

We feel strongly that recitation attendance is critical in that it will provide you with valuable opportunities to interact with your peers, apply what you have learned from lecture videos and the textbook, and receive extra assistance from your recitation instructor. Because we feel recitation attendance is so valuable, we want to reward you for making the effort to attend recitation. We will take attendance during recitation, and this will comprise your participation grade. You will receive two points toward your participation grade for each recitation you attend this semester. To receive these points, you must be present for the full recitation (i.e., you cannot leave early or show up several minutes late). Your teaching assistant will keep track of your recitation attendance and update the grade book each week to reflect your attendance. **You should plan to attend all recitations this semester, including the recitation that will take place during Week 1.** There will be 13 recitations that you will be expected to attend this semester. We allow two recitation absences to be dropped from your grade without question and will therefore count only 11 attended recitations toward your participation grade. There will be no recitations during Weeks 8 and 15.

Midterm and Final Exams

This course has one online midterm exam and a non-comprehensive (or non-cumulative) online final exam. Each exam is worth 40 points, and each exam will consist of 20 multiple-choice questions. You will have a certain window of time in which to access the exams through CarmenCanvas. These exams are NOT proctored. Please make note of the dates of the exams (see below) so that you can plan to set time aside during these dates to complete the exams. If you cannot be available at these times for unavoidable reasons, you must speak with Dr. Everson at least two weeks prior to the time in which the exam becomes available in order to discuss this and to make arrangements to complete a make-up exam. **If you fail to take an exam during the**

time when it is available without any communication with us to explain, we will not allow you to make up the exam unless there is an emergency situation that you can document.

<u>Midterm Exam:</u> The midterm exam will cover Chapters 1 through 6 and Chapters 10 through 13. It will become available at **3 p.m.** on **Thursday, March 2ⁿᵈ**, and you will need to submit the answers to your exam no later than **Friday, March 3ʳᵈ,** by **11:59 p.m.**   Once you open your exam, please note you have to finish the exam in <u>one sitting</u>, and you will have 90 minutes to work on the exam once it is opened. Thus, **you should not start the exam until you know you will have some uninterrupted work time, and you want to make sure to start the exam well before the deadline so you can get your full 90 minutes if you think you might need that amount of time.** We take academic honesty very seriously in this course and it is expected that you work on the exam by yourself and that you do not discuss the exam with your peers until after grades and feedback have been released to everyone. You can use any notes you want as you are working on the exam, along with your textbook, but you cannot consult with other people during the exam.

<u>Final Exam:</u> The final exam will cover Chapters 14, 15, 17, 18, 21, 22, and 23. It will be structured much like the Midterm Exam. It will become available to you at **12 a.m.** (very early in the morning) on **Wednesday, April 26ᵗʰ**, and you will have until **11:59 p.m.** on **Thursday, April 27ᵗʰ,** to submit the answers to your exam.   Again, it is expected that you work independently on the Final Exam and that you complete the exam in one sitting, within 90 minutes of opening the exam.

Late assignments and grade disputes

Keep in mind that we drop your lowest lab activity grade AND your lowest homework assignment grade. Thus, the first time you miss a lab activity or a homework assignment, we will consider those missed assignments to be your lowest grades, and we will not allow you to make up these assignments.   We will also not allow any recitation absences to be made up unless there is an extreme and documented reason for missing recitation. **If there are reasons why you cannot attend recitation regularly or must leave early/arrive late on regular basis, you need to talk with Dr. Everson about this as soon as possible.** If you have to miss subsequent work beyond the lab and homework assignments that are automatically dropped from your grade, **contact Dr. Everson as soon as possible (and no later than one week after missing the assignment) to discuss possible ways to make up this missed work.**

If you feel that an assignment has been graded incorrectly or unfairly, you must speak with your assigned teaching assistant (i.e., your recitation instructor) or Dr. Everson within <u>one week</u> of getting your grade on that assignment. For this reason, it's extremely important that you pay careful attention to your grades on a regular basis. **We will not re-grade assignments at the end of the semester or offer any extra credit if you are not satisfied at that time with your final course grade, especially since you will have known all semester what is expected of you to earn your desired grade in this course.**

Grading scale

Final grades in the course will be determined based on the following scale, and based on the percentage of total points that you earn during the semester. We do not curve grades in STAT 1350.

Grade	A	A-	B+	B	B-	C+	C	C-	D+	D	E
Min %	93	90	87	83	80	77	73	70	67	60	0

Instructor feedback and response time

The following list is meant to give you an idea of our intended availability throughout the course. (Remember that you can call **614-688-4357(HELP)** at any time if you have a technical problem.)

- **Grading and feedback:** For lab activities, you can generally expect feedback within **7 days**. For homework assignments, we will post your grades within 24 hours of the assignment deadline. For exams, we will wait until after the deadline to share grades with the class. How quickly we are able to post exam grades will depend on the number of make-up exams that will need to take place after the official exam deadline, but we will do our best to share feedback with you as quickly as possible, ideally within one week of the exam deadline.

- **Email:** Messages sent to the course instructor or your assigned TA will be replied to within **24 hours** on weekdays. Response time on weekends may be more variable depending on instructor availability.

- **Discussion board:** Dr. Everson, or one of the teaching assistants, will monitor and reply to messages posted on the discussion boards within **24 hours**.

Attendance, participation, and discussions

Student participation requirements

Because this is a distance-education course, your attendance is based on your online activity and participation. The following is a summary of everyone's expected participation:

- **Logging in**:
  Be sure you are logging in to the course in CarmenCanvas each week. During most weeks, you will probably log in many times. If you have a situation that might cause you to miss an entire week of class, discuss this with Dr. Everson *as soon as possible.*
- **Watching lecture videos:**

We have worked hard to create a series of captioned lecture videos that go over the content you would normally learn about if you were to attend an in-person lecture. Reviewing these videos is meant to help you prepare for our assignments and assessments. Our expectation is that you will watch our lecture videos close to the start of each week, before you begin your weekly assignments (and before you attend recitation). Remember that a nice thing about the lecture videos is that you can (a) watch them at a quicker speed if you would like, and (b) pause or re-watch sections that are confusing or unclear.

- **Office hours**:
  Attending office hours or getting help through the MSLC is optional but highly recommended if you need extra assistance.

- **Participating in discussion forums**:
  There will be discussion forums set up for each week and for other general course questions. Posting questions and/or responding to questions posted by your peers is strongly encouraged, but it is not required.

- **Recitation attendance**:
  As noted earlier in the syllabus, in the **Assignment information** section, part of your course grade is based on participation, and your participation credit will be based on attending recitation.

Discussion and communication guidelines

The following are our expectations for how we should communicate as a class. Above all, please remember to be respectful and thoughtful.

- **Communicating through the proper channels**: In order to protect your privacy, all course email correspondence *must* be done through a valid OSU name.number or Buckeyemail account, or through the course website (CarmenCanvas). It is your responsibility to make sure that any email messages you send to us are received, and you need to carefully read through all correspondence sent to you by your teaching assistant or by the instructor (and make sure this does not end up in your Junk folder!). If you send an email message and get no reply within 48 hours, please send that message again.

- **Writing style**: While there is no need to participate in class discussions as if you were writing a research paper, you should remember to write using good grammar, spelling, and punctuation. Informality (including an occasional emoticon) is fine.

- **Tone and civility**: We want to maintain a supportive learning community where everyone feels safe and where people can disagree amicably. Please be respectful of your peers and instructors in all communications.

- **Backing up your work**: If you plan to post something lengthy in one of the discussion forums, consider composing your work offline, in a word processor, where you can save your work, and then copy it into the CarmenCanvas discussion forum.

Other course policies

Academic integrity policy

The term "academic misconduct" includes all forms of student academic misconduct wherever committed; illustrated by, but not limited to, cases of plagiarism and dishonest practices in connection with examinations. It is the responsibility of the Committee on Academic Misconduct (COAM) to investigate or establish procedures for the investigation of all reported cases of student academic misconduct. Instructors shall report all instances of alleged academic misconduct to the committee (Faculty Rule 3335-5-487). For additional information, see the Code of Student Conduct http://studentlife.osu.edu/csc/.

We take academic misconduct very seriously in STAT 1350. If you are suspected of behaving dishonestly during an exam (e.g., working with other students during the exam, allowing another student to copy your exam answers or copying answers from another student, sharing exam answers with peers, enlisting someone else to take exams for you) or when completing any other required course assignment (such as by doing another student's work, copying work that was completed by other individuals or other students, or letting another student copy your work), this is grounds for us to file a COAM report, and this may result in a failing grade in this course or an even more severe penalty. It's not worth it to cheat! If you need to earn a particular grade and are struggling, talk to us. We can help.   If you have any questions about the above policy or what constitutes academic misconduct in this course, please contact Dr. Everson.

Copyright disclaimer

The materials used in connection with this course may be subject to copyright protection and are only for the use of students officially enrolled in the course for the educational purposes associated with the course. Copyright law must be considered before copying, retaining, or disseminating materials outside of the course.

Student academic services

Student academic services offered on the OSU main campus can be found at http://advising.osu.edu/welcome.shtml.

Student support services

Student support services offered on the OSU main campus can be found at http://ssc.osu.edu.

Statement on Title IX

Title IX makes it clear that violence and harassment based on sex and gender are Civil Rights offenses subject to the same kinds of accountability and the same kinds of support applied to

offenses against other protected categories (e.g., race). If you or someone you know has been sexually harassed or assaulted, you may find the appropriate resources at http://titleix.osu.edu or by contacting the Ohio State Title IX Coordinator at titleix@osu.edu.

Commitment to a diverse and inclusive learning environment

The Ohio State University affirms the importance and value of diversity in the student body. Our programs and curricula reflect our multicultural society and global economy and seek to provide opportunities for students to learn more about persons who are different from them. We are committed to maintaining a community that recognizes and values the inherent worth and dignity of every person; fosters sensitivity, understanding, and mutual respect among each member of our community; and encourages each individual to strive to reach his or her own potential. Discrimination against any individual based upon protected status, which is defined as age, color, disability, gender identity or expression, national origin, race, religion, sex, sexual orientation, or veteran status, is prohibited.

Health and safety

For the latest information about COVID-19 as well as guidance for students, faculty and staff, please see https://safeandhealthy.osu.edu/.

Accessibility accommodations for students with disabilities

The university strives to make all learning experiences as accessible as possible. In light of the current pandemic, students seeking to request COVID-related accommodations may do so through the university's request process, managed by Student Life Disability Services. If you anticipate or experience academic barriers based on your disability (including mental health, chronic, or temporary medical conditions), please let Dr. Everson know immediately so that we can privately discuss options. To establish reasonable accommodations, we may request that you register with Student Life Disability Services. After registration, make arrangements with Dr. Everson as soon as possible to discuss your accommodations so that they may be implemented in a timely fashion. SLDS contact information: slds@osu.edu; 614-292-3307; http://slds.osu.edu; 098 Baker Hall, 113 W. 12th Avenue.

Accessibility of course technology

This online course requires use of CarmenCanvas (Ohio State's learning management system) and other online communication and multimedia tools. If you need additional services to use these technologies, please request accommodations with your instructor.

- Canvas accessibility (go.osu.edu/canvas-accessibility)
- Streaming audio and video
- CarmenZoom accessibility (go.osu.edu/zoom-accessibility)
- Collaborative course tools

Your mental health

As a student you may experience a range of issues that can cause barriers to learning, such as strained relationships, increased anxiety, alcohol/drug problems, feeling down, difficulty concentrating and/or lack of motivation. These mental health concerns or stressful events may lead to diminished academic performance or reduce a student's ability to participate in daily activities. The Ohio State University offers services to assist you with addressing these and other concerns you may be experiencing. If you or someone you know are suffering from any of the aforementioned conditions, you can learn more about the broad range of confidential mental health services available on campus via the Office of Student Life's Counseling and Consultation Service (CCS) by visiting ccs.osu.edu or calling 614- 292-5766. CCS is located on the 4th Floor of the Younkin Success Center and 10th Floor of Lincoln Tower. You can reach an on-call counselor when CCS is closed at 614-292-5766 and 24-hour emergency help is also available

through the 24/7 National Suicide Prevention Hotline at 1-800-273- TALK or at
suicidepreventionlifeline.org

Land Acknowledgement

We would like to acknowledge the land that The Ohio State University occupies is the ancestral and contemporary territory of the Shawnee, Potawatomi, Delaware, Miami, Peoria, Seneca, Wyandotte, Ojibwe and Cherokee peoples. Specifically, the university resides on land ceded in the 1795 Treaty of Greeneville and the forced removal of tribes through the Indian Removal Act of 1830. I/We want to honor the resiliency of these tribal nations and recognize the historical contexts that has and continues to affect the Indigenous peoples of this land.

More information on OSU's land acknowledgement can be found here:

https://mcc.osu.edu/about-us/land-acknowledgement

Disclaimer

This syllabus should be taken as a fairly reliable guide for the course content. However, we reserve the right to change due dates or the methods of grading and/or assessment if necessary. Any changes will be communicated to you through official course announcements.

Course schedule

Week	Dates	Topics and Readings	Assignments (All due at 11:59 p.m. EST)
1	1/9-1/15	Data/Samples (Chapters 1 & 2)	Lab #1/Homework #1
2	1/16-1/22	Sampling/Surveys (Chapters 3 & 4)	Lab #2 /Homework #2
3	1/23-1/29	Experiments (Chapters 5 & 6)	Lab #3/Homework #3
4	1/30-2/5	Ethics/Graphs (Chapters 7 & 10)	Lab #4/Homework #4
5	2/6-2/12	Summarizing Quantitative Data (Chapters 11 & 12)	Lab #5/Homework #5
6	2/13-2/19	Summarizing Quantitative Data (Chapter 12)/Normal Distributions (Chapter 13)	Lab #6/Homework #6
7	2/20-2/26	More Normal Distributions/Review (if time permits)	Lab #7/Homework #7
8	2/27-3/5	Review/Midterm Exam/Probability (Chapter 17)	
9	3/6-3/12	Sampling Distributions (Chapter 18)	Lab #8/Homework #8
Happy Spring Break!!!! 😎 😎 😎		
10	3/20-3/26	Confidence Intervals (Chapter 21 up through page 498)	Lab #9/Homework #9
11	3/27-4/2	Confidence Intervals (Chapter 21 up through page 498)/Hypothesis Testing (Chapter 22 up through page 521)	Lab #10/Homework #10
12	4/3-4/9	Hypothesis Testing (Chapter 23 up through page 544)	Lab #11/Homework #11
13	4/10-4/16	Correlation/Regression (Chapters 14 & 15)	Lab #12/Homework #12
14	4/17-4/23	Correlation/Regression (Chapters 14 & 15)/Review	Lab #13/Homework #13
15	4/24-4/30	Review/Final Exam	