WELCOME TO: STAT 1430 AU 20 STATISTICS FOR THE BUSINESS SCIENCES

Course Leaders

Dr. Rumsey: Course Coordinator and lecturer • Contact: rumsey-johnson.1@osu.edu • Dr. Rumsey's Zoom Office Hours   o M 11am-12pm and W 1-2pm or by prior appointment.
Sean O'Neill, Coordinator Assistant • Contact Info: ONeill.90@osu.edu • Sean O'Neill's Zoom Office Hours   o M 5-6pm and Th 5-6 pm.

Communication:

All email correspondence must be using your OSU name.# address or we cannot respond. Thanks!

1. For questions regarding your graded recitation work contact your grading TAs first. **Their name(s) are on your course schedule on BuckeyeLink**. Please copy both on your email for the most efficient response. Find their emails are on the contact list under Carmen Course Information or under "OSU HELP PEOPLE" on the OSU website. (Your grading TAs are likely NOT the TAs whose Zoom recitations you will be attending.

2. **For a place to ask specific statistical questions or get extra help on recitation work**, visit the Virtual (Zoom) Statistics Help Room. The Stat Help Room is open selected hours during the week, is free, and is staffed by TAs. For info **see** https://mslc.osu.edu/online-tutoring

3. For **technical help** with Carmen regarding the Carmen Homework (Quizzes), contact Sean O'Neill at oneill.90@osu.edu.

4. **For office hours help**, visit Dr. Rumsey or Sean O'Neill during their posted Zoom hours.

5. **If you have a personal issue that is confidential**, requires special attention by the university, an unresolved issue, or would like a private discussion regarding your grade in the class, etc., contact Dr. Rumsey, the course coordinator at rumsey-johnson.1@osu.edu.

Course Description: Statistics 1430 is an introduction to the fundamental concepts of probability, statistics, and data analysis. Topics include surveys and experiments, numerical and graphical summaries, discrete and continuous random variables, simple linear regression, relations in categorical data, sampling distributions for means, and introduction to confidence intervals. The prerequisite is Math 1131. We assume you can do basic integration. This is a GEC course for Data Analysis. The expected overall learning outcomes are: Students understand basic concepts of statistics and probability, comprehend methods needed to analyze and critically evaluate statistical arguments, and recognize the importance of statistical ideas.

Stat 1430 Carmen Website: Please check the course website frequently as new announcements and information are added all the time. Here are some of the materials that are posted on Carmen:

• Course announcements, schedule, and other course information
• Announcements/changes/updates in the course
• Lecture outlines and podcasts for every lecture. Please take notes on the outline as you listed to the podcast.

- All recitation materials; solutions posted as we go along.
- Exam review materials

Textbook
- **My Stat Lab** is REQUIRED for Stat 1430. It includes an e-book and software. It's a part of Carmen Books, already incorporated in your course fee at a much lower price. You don't need scholarship or financial aid money to register for it.
- **The instructions to register for access to MyStatLab are under the COURSE INFORMATION MODULE of Carmen.** (If you want to opt out go to the OSU Carmen Books website.)

Technology
- **You are required to use a computer WITH A WEB CAM to take the exams. We are using Proctorio to monitor students during exams.**
- Calculators are required on the exams if you don't want to do hand-calculations.
- INSPIRE BRAND CALCULAORS (or equivalent) ARE NOT ALLOWED.
- **Data Files** will be used in the class during recitation. You can access all data sets through the Stat 1430 Carmen website.
- **Computer Software**: **StatCrunch.** This software is required comes as a part of My Stat Lab. You will need it for recitations and possibly homework.

Course Topics List

Module 1: Data Collection: Surveys and Experiments
Module 2: Organizing Data with Graphs and Descriptive Statistics
Module 3: Correlation and Regression
Module 4: Two-way Tables and Independence
Module 5: Probability
Module 6: Random Variables: Discrete and Continuous
Module 7: Normal Distribution
Module 8: Binomial Distribution
Module 9: Sampling Distribution for the Sample Mean
Module 10: Confidence Intervals (CI) for the Population Mean (sigma known)
Module 11: Hypothesis Tests (HT) for Population Mean (sigma known)
Module 12 T-distribution
Module 13: CI and HT for the Population Proportion (if time)

Recitation Assignments and Zoom Recitation Sessions
- ✓ Two recitation assignments are due on Fridays at 11:59 pm, submitted online. See the MODULES section of Carmen on each topic for recitations pertaining to that topic. Late work is not accepted unless there are extenuating circumstances that are documented. The lowest 3 assignments are dropped.
- ✓ Zoom recitation sessions are available to you throughout the week, at 11 different times meeting T-F. See "Assignments, Due Dates, and Getting Help" under COURSE INFORMATION in Carmen. **Please go to one recitation on either T or w to work on the first recitation of the week, and go to one recitation on either Th or F to work on the second recitation of the week.** You will work

through a series of problems with a group and TAs will be available to answer questions and give a short review of the material.

- ✓ Questions on the assignment will cover material recently covered in lecture.
- ✓ Each recitation assignment will be worth 10 possible points. Most of the time we will grade 5 random problems for 2 points each.
- ✓ Recitation questions will include short answer work as well as MC/TF.
- ✓ Make sure you bring completely filled-in lecture notes and go over them beforehand. We do not have time to explain material from scratch and will not be able to do so in recitation.
- ✓ You can also get help in the tutor room or Dr. Rumsey/Sean O'Neill's office hours.

Homework – Online Quizzes in Carmen:

- ✓ Each week you will have an additional Homework of 20 questions worth 20 points, due on Mondays at 11:59 pm. We drop the lowest HW grade. They will appear as quizzes on Carmen. You will have 90 minutes from when you open the quiz to complete it. You may use any materials you want to complete the homework. We encourage you to work on your own to get the most learning possible. Solutions will be provided after the due date/time has passed.

Exam Information and Policies:

- **Number of exams.** There will one midterm exam and one final exam. The final exam will contain material after the midterm as well as regression and correlation.
- **Exam Content and Advice. Exam questions are all multiple choice / true/false**. An online practice exam will be posted for each exam, as well as review materials including old (on paper) exams. Read the document on how to study for my exams in the exam review materials module.
- **Exam materials.** You may use your own course materials (notes, book, etc) during exams. However, you are not allowed to communicate with any other person, or go outside the exam website. This will be monitored and locked down. A formula sheet is posted on the Carmen website under the COURSE INFORMATION Module, you may use it on exams. Statistical tables from the text are also on Carmen under COURSE INFORMATION.
- You **MUST HAVE** your Buck-ID available in case you are asked to supply it.
- **No-Question policy during exams.** We are not able to answer questions during the exams. To that end, exam questions are written very clearly, to avoid misunderstanding.
- **If you're late to an exam, had the wrong day** on your schedule, or missed the exam for any unexcused reason, you might not be allowed to make it up and may receive a zero. If you are allowed to take a make-up, you may receive a penalty of up to 25% of the total points possible on the exam. Any missed exams with no communication to us within 24 hours (except for extreme emergencies) may receive a 0.
- **Make-up Exams:** If you have an emergency or extended illness (such as Covid) and are going to miss an exam please notify Dr. Rumsey as soon as possible so arrangements can be made. Please also have documentation (doctor's note, etc.) that says you were too sick to take the exam (not just that you visited the doctor) Your documentation must be approved prior to your being allowed to take a make-up.
- No early final exams – no exceptions. Plan your schedule in advance, including the purchase of plane tickets, so you leave AFTER our final is over.

Academic Misconduct:

- ✓ Academic misconduct **will not be tolerated** and will be dealt with procedurally in accordance with University Rule 3335-31-02. (This policy can be found at http://oaa.osu.edu/procedures/1.0.html.)
- ✓ Academic Misconduct can result in receiving an E in the class, one full grade lower in the class, and/or academic probation.
- ✓ **Communicating with any other person or any resource outside of Carmen or your notes on exams is Academic Misconduct.**
- ✓ **Using unauthorized resources, such as Course Hero, or Chegg on HW or Recitation Assignments is Academic Misconduct.**

Make-Up Assignment Policy – Restricted:
- ✓ We do not have make-up recitations except for extended emergency situations or extended illness – if you are in one of those situations you must let us know right away so we can work with you. To cover these situations, we do drop 3 recitations and 1 HW.
- ✓ **If you are on university business such as a conference, university trip, or if you are an athlete or a member of the military, or if you are celebrating a religious holiday please let your grading TA know prior to your leaving so your make up work can be arranged. Make up work is due on the first recitation you are due back.**
- ✓ If you have an extended illness or extended emergency and this illness causes you to miss more than the allowed number of dropped recitations and/or quizzes, obtain documentation and contact Dr. Rumsey immediately.
- ✓ We cannot add additional dropped assignments. Save the drops for when they are needed!

GRADE COMPONENTS:

Weekly Recitation Assignments all graded on a 10-point scale. We drop the 3 lowest scores. Those on university business must make plans with your TA in advance to turn in missed work, and supply documentation – it's your responsibility to notify us AHEAD OF TIME.	25%
Out-of-Class HW: 20 points each, 20 questions, 90 min each. These are done as Quizzes on Carmen. We drop the lowest score; this includes HW missed due to any reason except for extended illness that includes documentation.	25%
Midterm: MONDAY OCTOBER 12 from 9-10:30 AM (EST) ONLY!!!!!!!!!!!	25%
Final Exam: TUESDAY DECEMBER 8 from 9-11:00 AM (EST) ONLY!!!!!!!!!!! (All the material after the midterm plus regression/correlation) NO EARLY FINALS! NO EXCEPTIONS!	25%

IMPORTANT! Keep track of your grades!!
- ✓ Please check the Carmen website for your recitation and exam scores frequently.
- ✓ If something is wrong or missing notify your TA within one week of when that item was graded by the TA. TAs will grade all recitations within 1 week.
- ✓ We can't address problems regarding missing grades at the end of the semester.

Grading Scale:
- ✓ We fully expect final course grades to be assigned based on the grading scale below.

			B+	87% – 89%		C+	77% – 79%		D+	67% – 69%
A	93% – 100%		B	83% – 86%		C	73%– 76%		D	60% – 66%

A-	90% – 92%		B-	80% – 82%		C-	70%– 72%		F	below 60.0%

Addressing Issues of Differing Abilities:

- ✓ Any student who feels they may need an accommodation based on the impact of a disability should contact the instructor privately to discuss your specific needs.
- ✓ Students with documented disabilities should also contact the Student Life Disability Services (SLDS) in 098 Baker Hall (phone: 292-3307) to coordinate reasonable accommodations for the course.
- ✓ You MUST BE REGISTERED through SLDS in order to receive accommodations.
- ✓ SLDS forms must be given to the course coordinator (Dr. Rumsey) as early in the semester as possible to be filled out and returned to you in time.
- ✓ <u>SLDS requires at least 3 business days to coordinate an exam for someone who is already registered through SLDS. For someone not registered with SLDS by that time, we cannot guarantee accommodation.</u>

PLEASE TAKE CARE OF YOURSELF (OSU Mental Health Statement):

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 are or someone you know is 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.

If you are thinking of harming yourself or need a safe, non-judgmental place to talk, or if you are worried about someone else and need advice about what to do, 24 hour emergency help is also available through the Suicide Prevention Hotline (Columbus: 614-221-5445 / National: 800-273-8255); or text (4hope to 741741); or at suicidepreventionlifeline.org

Section Changes, Unpaid Fees: *The instructor and TA will not under any circumstances sign paperwork regarding section changes*. E-mail Jean Scott in the Statistics Office (jscott@stat.osu.edu) for the policy on section changes. If your fees are unpaid, you should not be attending class. However, if there is a valid reason (e.g., financial aid hasn't gone through), submit this in writing (with documentation) to Jean Scott asap (jscott@stat.osu.edu)