

STAT 210: Introductory Statistics for the Social Sciences

Spring 2022
MWF 10:00-10:50, Fisk 217

Maxim Sinitsyn, msinitsyn@northwestern.edu
Office Hours: WTh 2-3 in KGH 3227

Discussion Sessions (**no sessions first week**):

21 Tu, 5:00-5:50, Tech M164	24 Th 4:00-4:50, Tech A110
22 Th, 4:00-4:50, Tech L150	25 Tu 5:00-5:50, Parkes Hall 214
23 Tu, 5:00-5:50; Lunt Hall 105	26 Th 4:00-4:50, Tech M177

TAs (**No OHs or sessions first week**):

Ana Polkovnichenko (AnastasiaPolkovnichenko2023@u.northwestern.edu)
(Sessions 21, 22; Office hours, W 3-5 in the Stats department basement)

Brody Kendall (CurtisKendall2025@u.northwestern.edu)
(Sessions 23, 24; Office hours, Th 10-12 in the Stats department basement)

Ally Wang (allywang2023@u.northwestern.edu)
(Session 25, 26; Office hours, T 1-3 in the Stats department basement)

Remote Instruction: The class is in-person. If there is a switch to remote instruction, the lectures and office hours will be offered via Zoom and will use the following meeting ID: 239-101-1346.

Course Objectives: The objective of this course is to equip students with the probabilistic and statistical techniques needed to support empirical analysis of data in economics and other social sciences. By the end of the class, students should increase their knowledge of both descriptive and inferential statistics, gain healthy respect and admiration for probability theory, confidently construct confidence intervals and conduct hypothesis tests.

Required Text:

The textbook for the course is *Statistics for Business and Economics* (Eighth Edition) by Paul Newbold, William L. Carlson, and Betty M. Thorne. We are using *Statistics for Business and Economics: Second Custom Edition for Northwestern University*, which includes just the first 11 chapters from the eighth edition.

Weekly Homework: Each week, I will post practice problems on Canvas. They will not be graded. The best way to prepare for the exams is to form study groups, work on the problems on your own in the beginning and then go over the problem sets together. I will post the answers after the problems are reviewed by TAs in discussion sessions. It is essential that you practice solving these questions. Reading the solutions will not prepare you for the exams.

Exams: Grading will be based on two projects (5% each), two midterms (25% each) and a final examination (40%). The final exam will be cumulative. You must take both midterms. The dates for the midterms are April 29th and May 20th. The final exam is Tuesday, 6/7, at 3pm. All exams are closed book, and you can use calculators.

This is a challenging quantitative class with an emphasis on problem solving. Textbook exercises provide a useful guideline for your progress. A student who receives an A- for this course should be able to correctly solve any exercise from the textbook. A student who receives a C- for this course should be able to correctly solve about half of the exercises.

Quarter-Long Study Group Opportunity – Registration Required:

If you would like to study with other students in this class, consider joining a [Peer-Guided Study Group](#). Participants will meet weekly with about 5 to 8 other students and a peer facilitator, a student who has already taken and done well in the course. During sessions, students review concepts, work through practice problems, bring their questions, and work together to develop answers. Students register for the full quarter on CAESAR and attendance is expected weekly. Study Group sessions are listed on CAESAR below course lecture and discussion sections: STAT 210-SG – Peer-Guided Study Group: Introductory Statistics for the Social Sciences. Feel free to contact Borislava at borislava.miltcheva@northwestern.edu with any questions. Provided through [Academic Support & Learning Advancement](#).

Drop-In Peer Tutoring – No Appointment Needed:

Students are welcome to stop by [Drop-In Peer Tutoring](#) to get support with a specific question or issue, or just talk through course materials with others. Covers this course and many introductory courses in Biology, Chemistry, Economics, Engineering, Math, Physics and Stats. Tutoring takes place Sundays through Thursdays. **Check specific times, courses and locations on the [Drop-In Peer Tutoring website](#).** Feel free to contact ASLA staff at asla@northwestern.edu with any questions. Provided through [Academic Support & Learning Advancement](#).

Schedule

Weeks 1-4	Chapters 1-3	MT1 on April 29 th
Weeks 5-7	Chapters 4-7	MT2 on May 20 th
Weeks 8-10	Chapters 9-10	Final on June 7 th at 3pm

Northwestern Syllabus Statements

Academic Integrity: Students in this course are required to comply with the policies found in the booklet, "Academic Integrity at Northwestern University: A Basic Guide". All papers submitted for credit in this course must be submitted electronically unless otherwise instructed by the professor. Your written work may be tested for plagiarized content. For details regarding academic integrity at Northwestern or to download the guide, visit: <https://www.northwestern.edu/provost/policies/academic-integrity/index.html>

Accessibility: Northwestern University is committed to providing the most accessible learning environment as possible for students with disabilities. Should you anticipate or experience disability-related barriers in the academic setting, please contact AccessibleNU to move forward with the

university's established accommodation process (e: accessiblenu@northwestern.edu; p: 847-467-5530). If you already have established accommodations with AccessibleNU, please let me know as soon as possible, preferably within the first two weeks of the term, so we can work together to implement your disability accommodations. Disability information, including academic accommodations, is confidential under the Family Educational Rights and Privacy Act.

COVID-19 Classroom Expectations: Students, faculty, and staff must comply with University expectations regarding appropriate classroom behavior, including those outlined below and in the [COVID-19 Code of Conduct](#). With respect to classroom procedures, this includes:

- Policies regarding masking and social distancing evolve as the public health situation changes. Students are responsible for understanding and complying with current masking, testing, Symptom Tracking, and social distancing requirements.
- In some classes, masking and/or social distancing may be required as a result of an Americans with Disabilities Act (ADA) accommodation for the instructor or a student in the class even when not generally required on campus. In such cases, the instructor will notify the class.
- No food is allowed inside classrooms. Drinks are permitted, but please keep your face covering on and use a straw.
- Faculty may assign seats in some classes to help facilitate contact tracing in the event that a student tests positive for COVID-19. Students must sit in their assigned seats.

COVID-19 Testing Compliance: If a student fails to comply with the [COVID-19 Code of Conduct](#) or other University expectations related to COVID-19, the instructor may ask the student to leave the class. The instructor is asked to report the incident to the Office of Community Standards for additional follow-up.

To protect the health of our community, Northwestern University requires unvaccinated students who are in on-campus programs to be tested for COVID-19 twice per week.

Students who fail to comply with current or future COVID-19 testing protocols will be referred to the Office of Community standards to face disciplinary action, including escalation up to restriction from campus and suspension.

Exceptions to Class Modality: Unless otherwise instructed by the university, class sessions for this course will occur in person. Individual students will not be granted permission to attend remotely except as the result of an Americans with Disabilities Act (ADA) accommodation as determined by AccessibleNU.

Prohibition of Recording of Class Sessions by Students: Unauthorized student recording of classroom or other academic activities (including advising sessions or office hours) is prohibited. Unauthorized recording is unethical and may also be a violation of University policy and state law. Students requesting the use of assistive technology as an accommodation should contact [AccessibleNU](#). Unauthorized use of classroom recordings – including distributing or posting them – is also prohibited. Under the University's [Copyright Policy](#), faculty own the copyright to instructional materials – including those resources created specifically for the purposes of

instruction, such as syllabi, lectures and lecture notes, and presentations. Students cannot copy, reproduce, display, or distribute these materials. Students who engage in unauthorized recording, unauthorized use of a recording, or unauthorized distribution of instructional materials will be referred to the appropriate University office for follow-up.

Support for Wellness and Mental Health: Northwestern University is committed to supporting the wellness of our students. Student Affairs has multiple resources to support student wellness and mental health. If you are feeling distressed or overwhelmed, please reach out for help. Students can access confidential resources through the Counseling and Psychological Services (CAPS), Religious and Spiritual Life (RSL) and the Center for Awareness, Response and Education (CARE). Additional information on all of the resources mentioned above can be found here:

<https://www.northwestern.edu/counseling/>

<https://www.northwestern.edu/religious-life/>

<https://www.northwestern.edu/care/>