

COMM 3710 (Hybrid)

Introduction to Quantitative Communication Research

Spring 2022
University of Utah

Prof. Sara K. Yeo
sara.yeo@utah.edu

TAs: Yi Liao (u1368483@utah.edu) & Dallin Adams (dallin.adams@utah.edu)

This **hybrid course** is a basic research methods course for those with little or no experience or course work in quantitative communication research. COMM 3710 is a quantitative intensive (QI) course. The goal of this course is to provide you with a critical framework for evaluating social science research and some hands-on experience in the process of conducting empirical investigations.

Lecture content will be online (asynchronous) while lab sections will be in-person (see **Course Requirements).**

We will examine how research questions are developed into a research project. Additionally, we will learn how to select appropriate research techniques, measure concepts, draw samples, interpret results, and communicate our research.

Key topics include:

- Formalizing hypotheses and research questions grounded in theory
- Testing hypotheses and research questions
- Conceptual and operational definitions
- Measurement, sampling, and research design
- Data analysis in communication research

You are expected to log into the course Canvas website regularly (**at least 3-5 times per week**), complete and submit work on time, and ask questions if you need help. **It is your responsibility as a student to ask questions in a timely manner during scheduled labs and office hours, if you need help.**

Teaching Assistants

There are two graduate teaching assistants (TAs) in this course. Each graduate TA will be leading two lab sections. For lab attendance policies, review the **course requirements**.

Section	TA	Email	Day	Time (MT)	Location
002	Dallin Adams	dallin.adams@utah.edu	Wed	8:35 - 9:25 am	SAEC 3151
003	Dallin Adams	dallin.adams@utah.edu	Wed	9:40 - 10:30 am	SAEC 3151
004	Yi Liao	u1368483@utah.edu	Fri	9:40 - 10:30 am	BU C 210
005	Yi Liao	u1368483@utah.edu	Fri	8:35 - 9:25 am	BU C 210

Office Hours

Both TAs and Prof. Yeo will have weekly office hours. Although you must attend the lab section in which you are enrolled, you may attend any of the instructors' office hours.

TEST

Instructor	Time (MT)	Zoom Link (copy & paste URL into web browser)
Prof. Yeo	Th 10:00 - 11:00 am	https://utah.zoom.us/j/95921224902 (Passcode: COMM3710)
Yi Liao	F 10:40 - 11:40 am	https://utah.zoom.us/j/93592701193 (Passcode: 2022)
Dallin Adams	Th 1:00 - 2:00 pm	https://utah.zoom.us/j/99312657864 (Passcode: 3710spring)

Required Text and Readings

Two books are required for this course. Both are available online.

Wrench, J.S. (2019) *Quantitative Research Methods for Communication: A Hands-On Approach* (4th edition). New York, NY: Oxford University Press.

- To access this textbook, navigate to your **Bookshelf** on the Canvas site for this course.
- This textbook is available through the [Inclusive Access program](#), which provides you with digital access to the textbook via Canvas at a reduced price.
- You may opt out of the Inclusive Access program [here](#). However, the textbook is **required**, and you are expected to have it, even if you opt out of this program.

Yeo, S. K. & Y. Sun (2021) *COMM 3710: Getting Started with R*.

- This book is free and accessible via the link provided on Canvas.

Additional readings will be provided as PDF documents on Canvas.

Technology Requirements

To ensure that you have full access to the course Canvas website, you will need:

- Reliable access to a laptop or desktop computer. **A mobile device (tablet, phone) is not sufficient to complete this course. You will need a laptop to bring to lab.**
- An Internet browser compatible with Canvas. For more information, see this [page](#).

We will be using [R](#), and [RStudio](#) in this course. Additionally, access to a text-editor (e.g., Wordpad, TextEdit, Notepad++, Atom), Microsoft Office (Word, Excel, PowerPoint), and Adobe Acrobat (free for UofU students) are recommended.

You will need access to [Canvas](#). I expect you to check the course Canvas website regularly. Announcements, assignments, readings, etc., will be posted there. You should be familiar with Canvas. If you need help with Canvas, visit the [Canvas Getting Started Guide for Students](#).

You should also check your [University email account](#) regularly. Be sure to review the [course email policies](#) as necessary throughout the semester.

You should know how to take a screenshot on your computer. A photo of your laptop or computer screen taken with your mobile device is *not* a screenshot.

Technology Help

For general help with Canvas, click the “Help” button in Canvas (when on your desktop), or contact them by phone(+1 844-527-032) or live [chat](#). Help is available **24 hours a day, 7 days a week**.

You can also read the [Canvas Student Guides](#), search for help articles in the [University of Utah Knowledge Base](#), or contact classhelp@utah.edu.

General computer support is available through the Marriott Library Knowledge Commons. They can answer questions about your Windows or Mac machines, as well as questions about commonly used software, such as PowerPoint and Excel. Submit a ticket to get help:

- [Windows users](#)
- [Mac users](#)

Course Requirements

Course grades will be based on the following:

- Weekly quizzes (100 pts)
- Individual lab assignments (90 pts)
- Lab attendance (10 pts)

Weekly Quizzes (100 pts)

Weekly quizzes will be administered on Canvas. All quizzes will be based on assigned readings and lectures. **Under no circumstances will make-up or late quizzes be administered.** You have approximately one week to complete each quiz. There are 13 quizzes, each worth 10 points. Your lowest score will be dropped at the end of the semester.

You will have **12 minutes** to complete your quiz. Note that you only have **one attempt** at each quiz—please do not start a quiz unless you are ready to complete it.

Quizzes will open on Mondays at 12:00 am and are due on the Saturdays of that week at 11:59 pm.

Individual Lab Assignments (90 pts)

There are 9 individual assignments. Information on individual assignments will be provided on Canvas. **Late assignments will not be accepted.**

It is important that you pay close attention to the assignment due dates on Canvas as they may change throughout the semester.

Lab Attendance (10 pts)

This course has two graduate [teaching assistants](#) for four lab sections. When you enrolled in this course, you selected a lab section to attend. **You must attend at least 5 labs in-person throughout the semester. You must attend the lab section in which you are enrolled.**

For each full lab (i.e., 50 min) you attend, you will earn two (2) points toward your attendance grade (up to 10 pts). If you are **5 to 15 min** late to lab, you will only earn one (1) point toward your attendance grade. If you are more than **15 min** late to lab, you will earn no (0) points for attendance that day.

If you show up to a lab section in which you are not enrolled, your attendance will not count toward your grade and you will be asked to leave.

Week 6 Participation Checkpoint

In addition to the [course requirements](#), there will be a participation checkpoint in Week 6.

At the end of Week 6, any students who have not demonstrated regular participation may not be permitted to pass the course.

- “Regular participation” as a student is defined as earning at least 50% of the possible points on required graded content up to this point (Week 6).
- The checkpoint threshold is generous—well below a failing score for this course. For that reason, **no exceptions will be granted**. Regular participation is required because each week’s material builds on content and work from the prior week. If you are not meeting this standard by this point in the course, it is too late to “catch up.”
- Non-participants are urged to withdraw from the course to avoid receiving a failing grade (see the University’s [Academic Calendar](#) for withdrawal deadlines). **Any future work such students might choose to submit may not be evaluated.**

Course Grading

If you wish to dispute your grade on any assignment or quiz, you must put your concerns in writing (as a Microsoft Word document or PDF attached in an email) to your graduate **teaching assistants**, clearly outlining your rationale. These concerns must be presented to your TA within one week of receiving your grade.

Grades in this course will be based on the following scale.

Grade	Range
A	93 to 100
A-	90 to < 93
B+	87 to < 90
B	83 to < 87
B-	80 to < 83
C+	77 to < 80
C	73 to < 77
C-	70 to < 73
D+	67 to < 70
D	63 to < 67
D-	60 to < 63
E	< 60

You can and should check your grade regularly on Canvas. You can also use Canvas to calculate “what-if” scores and determine the score you need to get to do well in this class.

Information on the grade points assigned to letter grades and how to calculate your GPA can be found [here](#).

Course Policies

By enrolling in this course, you agree to:

1. respect the instructors and all members of the course;
2. engage with the online content meaningfully;
3. meet the requirements of this course; and
4. abide by the course policies outlined in the syllabus.

This list represents the **minimal standards** to make the course a productive learning space. **Your final grade may be reduced by 1% each time you engage in disruptive and/or disrespectful behaviors.**

Email Policy

It is critical that you check your University email account frequently and that you use your University email account to contact your instructors.

Course instructors will not respond to emails originating from a non-University account (e.g., Google, Yahoo, etc.). Using a non-University account runs the risk of your message being diverted to Spam and your message may not reach me in a timely fashion, if at all. Emails should be written clearly and professionally with correct spelling and grammar. **Emails that do not conform to these rules will not receive a response.**

When you contact your instructors, you are expected to be professional in your communication. This includes:

- Providing a relevant description or statement in the email subject line. Do not leave the subject line blank or simply write, “Hi.”
- Providing your full name, uNID, and class section in the message.
- Using appropriate salutations (e.g., Dr. or Prof. Yeo).
- Using paragraphs, not just long blocks of text.
- Proofreading your writing.
- Providing a clear description of your problem and all relevant information.
- Being polite in your emails. For example, you should end your messages with a signature, such as “sincerely,” “regards,” or “thank you.”

Course Civility

Communication allows us to engage with others and broaden our perspectives. How concepts are discussed, in the physical or virtual classroom, is part of that process. Diverse perspectives and experiences will inform and enhance our discussions. Each member of the class is expected to foster a respectful, generous, and supportive environment that makes room for productive difference and reasoned debate. Spirited discussion is encouraged. However, incivility is a different story entirely.

Here is the basic (n)etiquette that will be expected in the course:

- Always address your classmates by name. There is a human being on the other side of the screen/room who also has struggles, doubts, and bad days.
- Disagreement is encouraged! Approach differences in a manner that seeks clarity and better understanding by asking productive questions and by providing counterarguments that are supported with evidence.
- Anytime you have a strong emotional reaction to something, pause before responding. Always seek to provide an argument that is supported by **credible evidence** based on the concepts discussed in this course.

Academic Misconduct

Academic misconduct will be punished to the fullest extent possible.

You are responsible for understanding what constitutes academic misconduct (see [Policy 6-400](#)). Anyone found guilty of academic misconduct should expect to fail this course.

In addition, academic misconduct may result in other penalties deemed appropriate by the university. Your rights and responsibilities are outlined in Policy 6-400, the Code of Student Rights and Responsibilities. You are responsible for obeying [Policy 6-400](#). Ignorance of the policy is not an excuse.

Curriculum Accommodations

Curriculum accommodations take two forms—scheduling and content accommodations. I will consider scheduling accommodations for individual assignments on a case-by-case basis for those who have conflicts that involve religious observances, University-sanctioned activities, and personal or medical emergencies, **if you submit the appropriate documentation in advance of the conflict**. If you anticipate a scheduling conflict, please speak with your [teaching assistants](#). Without exception, it is your responsibility to plan for any scheduling conflict. **There will be no scheduling accommodations for quizzes.**

There will be no content accommodations in this course. The material has been selected for its pedagogical value in relation to the concepts we are engaging. It is your responsibility to review the course materials to be sure that this is a course you wish to take. More information on the University's accommodation policy can be found in [Policy 6-100](#).

Emergency Plan

In the event of a University-wide emergency which prevents face-to-face meetings, students should continue to stay current with our schedule as posted in this syllabus and to attend to the course website on Canvas. Information about the status of assignments and other course work due during this period will be addressed on Canvas and, if necessary, by way of email.

University Policies

COVID-19

This is a hybrid course; you will be expected to attend some classes in person. To protect yourself and those you care about, the University recommends that you:

- **Get a COVID-19 vaccination** if you have not already done so.
- **Get weekly asymptomatic coronavirus tests** if you are not vaccinated. For more information or to schedule an asymptomatic coronavirus test, visit alert.utah.edu/covid/testing.
- **Wear a face mask properly while indoors.**

If you test positive for COVID-19, submit a self-report at coronavirus.utah.edu. For more information about how the University is handling the coronavirus pandemic, visit coronavirus.utah.edu.

ADA

The University of Utah seeks to provide equal access to its programs, services, and activities for people with disabilities. If you will need accommodations in this class, reasonable prior notice needs to be given to the Center for Disability Services, 162 Olpin Union Building, (801) 581-5020.

CDA will work with you and the instructor to arrange accommodations. All written information in this course can be made available in an alternative format with prior notification to the [Center for Disability & Access](#).

Safety

University Safety Statement. The University of Utah values the safety of all campus community members. To report suspicious activity or to request a courtesy escort, call campus police at 801-585-COPS (801-585-2677).

For more information regarding safety and to view available training resources, including helpful videos, visit [safeu.utah.edu](#).

Addressing Sexual Misconduct. Title IX makes it clear that violence and harassment based on sex and gender (includes sexual orientation and gender identity/expression) is a civil rights offense subject to the same kinds of accountability and the same kinds of support applied to offenses against other protected categories such as race, national origin, color, religion, age, status as a person with a disability, veteran's status or genetic information.

If you or someone you know has been harassed or assaulted, you are encouraged to report it to the Title IX Coordinator in the Office of Equal Opportunity and Affirmative Action, 135 Park Building, 801-581-8365, or the Office of the Dean of Students, 270 Union Building, 801-581-7066. For support and confidential consultation, contact the Center for Student Wellness, 426 SSB, 801-581-7776. To report to the police, contact the Department of Public Safety, 801-585-2677 (COPS).

Undocumented Student Support

Immigration is a complex phenomenon with broad impact—those who are directly affected by it, as well as those who are indirectly affected by their relationships with family members, friends, and loved ones. If your immigration status presents obstacles to engaging in specific activities or fulfilling specific course criteria, confidential arrangements may be requested from the Dream Center.

Arrangements with the Dream Center will not jeopardize your student status, your financial aid, or any other part of your residence. The Dream Center offers a wide range of resources to support undocumented students (with and without DACA) as well as students from mixed-status families. To learn more, please contact the Dream Center at 801-213-3697 or visit [dream.utah.edu](#).

Course Schedule

The schedule is tentative. Any changes will be announced on Canvas. Your continued enrollment in this course constitutes an agreement to abide by the policies and procedures in this syllabus.

Note: The schedule below lists the dates individual lab assignments (LA) are assigned. Due dates for these can be found on Canvas.

WEEK	DATE	LECTURE	READINGS	QUIZ	INDIVIDUAL ASSIGNMENTS
1	10-Jan	Course Introduction	course syllabus, Borwein & Bailey, Pauk Ch. 7, Wrench Ch. 1	1	LA-1: Installing R and Rstudio
2	17-Jan	Overview of the Research Process Ethics in Human Subjects Research	Wrench Ch. 2, 3, BBC Visual and Data Journalism, Cushing	2	LA-2: Ethics in Human Subjects Research
3	24-Jan	Concept Explication	McLeod et al.	3	LA-3: Setting Up and Working with Data
4	31-Jan	Variables and Measurement	Wrench Ch. 6, 7	4	-
5	07-Feb	Survey Research	Wrench Ch. 9, Bialik, Silver, Zukin	5	LA-4: Data Wrangling
6	14-Feb	Experiments	Wrench Ch. 11	6	-
7	21-Feb	Reliability and Validity	Wrench Ch. 8	7	LA-5: Examining and Managing Data
8	28-Feb	Sampling	Wrench Ch. 12, ASA pp. 63-68, AAPOR (2007)	8	-
9	07-Mar	SPRING BREAK (NO CLASS)			
10	14-Mar	Introduction to Statistics	-	9	LA-6: Visualizing Data
11	21-Mar	Descriptive Statistics	Wrench Ch. 13, 14	10	-
12	28-Mar	Inferential Statistics	Wrench Ch. 15, 16, 18	11	LA-7: Examining Relationships in Data
13	04-Apr	Data Analysis	-	12	-
14	11-Apr	Reporting Research	-	13	LA-8: Practice Data Analysis
15	18-Apr	-	-	-	Optional: Resubmit one assignment (LA-4, LA-5, LA-6, LA-7, or LA-8)