

PSYC 300: Statistics in Psychology (4 credits)

Lab Section **300-203**

Spring 2023

Lab Instructor: **Rachel Nguyen, M.A.**

Email: **RNGUYE@GMU.EDU**

Office Hours and Location: **THURSDAYS 9am-11am (ZOOM)**

THURSDAYS 11am-12pm (in-person: info on Blackboard)

Lab Time & Location: **12:30pm-2:20pm @ Innovation Hall 203**

Course Schedule:

Week	Date	Topic
1	1-26	Syllabus (Expectations and Lab Policies) & lab activity
2	2-2	Descriptive Statistics
3	2-9	No Class – Sync schedule with Lecture
4	2-16	Graphing
5	2-23	Correlations
6	3-2	Working with Data (Subgroups/ Recording)
7	3-9	One Sample T-Test
8	3-16	Spring Recess – NO class
9	3-23	Independent Samples T-test
10	3-30	Dependent Samples T-test
11	4-6	ANOVA
12	4-13	Regression
13	4-20	No Class – available for extra office hours (Email Rachel)
14	4-27	No Class – available for extra office hours (Email Rachel)
15	5-4	No Class – available for extra office hours (Email Rachel)

Course Description: We will cover many of the basic descriptive and inferential statistics that are used in the field of psychology. This is a 4-credit course, which includes both a lecture section and a lab section. During lab sessions, we will review and practice topics from the lecture. You will get some hands-on experience using a computer program to analyze data.

Learning Outcomes

By the end of this course, students should be able to:

- Identify and apply appropriate statistical procedures for simple research designs.
- Analyze data using statistical software (e.g., jamovi).
- Communicate statistical findings using APA guidelines.

Lab Overview: The lab portion of this course accounts for 25% toward your final grade. This lab course will consist of 10 assignments, with each assignment being worth 20 points. Each lab will begin with a brief overview of the topic for the day, followed by instructions for completing the lab assignment. Lab assignments will only be completed during lab time.

Text: None

Software: Jamovi

Technology: Lab desktops OR your own laptop (can download jamovi ahead of time)

Lab Policies:

Attendance & Late Assignments:

Lab attendance is required. Material will be presented in lab that is not covered in lecture and you will be responsible for knowing that information. I will be covering material that will help you with the assignments (I encourage you to have your assignments open to follow along or take notes). If you come late, this is the material that you'll be missing. Lab is a time to have me and your other classmates as a resource to complete the assignment, *but if you arrive late, I will not present again, the material from the beginning of the class up until the time you've come in late.*

Please contact me before lab if you will or may think you will be missing lab so that we can make arrangements for you to complete the missed work at an agreed time. Non-penalty extensions will be considered in the case of extenuating circumstances defined below.

Extenuating circumstance defined:

In event that an incident or event occurs that is out of the student's control (such as an emergency, accident, illness, acting guardian emergency) and affects their participation in this course, they must let me know as soon as possible via email (if mentioned verbally, please send me an email as a record). If needed or wanted, a follow-up office hour appointment can be arranged.

Students must be proactive in reaching out to me in a timely manner.

For instance, if the student is symptomatically ill or their dependent is ill, they must reach out to me via email and maintain communication so that I am aware of what is going on (just need basic information) and can see how I can work with the student in assignment/exam/course completion.

Please understand that I will do my best as an instructor to work with the student, but there may be some limitations to what I can provide or help with.

Communication with the instructor:

Email: Please include in the subject area: **PSYC 300 lab** and a brief phrase.

For example: **PSYC 300 lab – need reschedule assignment – miss class on wk4**

Writing these descriptions allows students to help me spot their emails.

Also, only send emails from your GMU email so that I know that I am communicating with you.

I will respond to emails within 2 working days (defined as Monday-Friday). For any reason I don't respond within 2 working days, please **do** send me a follow-up email!

Cell phone Use:

Please do not have out a cell phone or communication device out during lecture, unless you are expecting an important call. When receiving an important call, just quietly excuse yourself (no need to ask). Please do not text or use a cell phone. Otherwise—it is distracting to the instructor and may distract students around you.

Academic Integrity and the Honor Code: Academic integrity refers to honest and ethical behavior in all aspects of academic activity. This includes: not cheating on assignments (e.g., copying the work of others), not passing off someone else's ideas as your own (plagiarism), not engaging in dishonesty of any kind with regard to your class participation and assignments. Plagiarism is the *unacknowledged* use of another person's labor, another person's ideas, another person's words, or another person's

assistance. ***Unless otherwise stated in class, all work done for courses is expected to be the individual effort of the student presenting the work.*** Any assistance must be reported to the instructor. If the work has entailed consulting other resources -- journals, books, or other media -- these resources must be cited in a manner appropriate to the course. Failure to cite borrowed material constitutes plagiarism. Undocumented use of materials from the internet is plagiarism. If you are caught plagiarizing or cheating, you will fail the assignment, and, depending upon the severity of the violation, you may fail the class. George Mason University has an Honor Code, which requires all members of this community to maintain the highest standards of academic honesty and integrity. Cheating, plagiarism, lying, and stealing are all prohibited. All violations of the Honor Code will be reported to the Honor Committee. See honorcode.gmu.edu for detailed information.

Technology: The desktop computers in our classroom may be used during lab for data analysis. Assignments will be handed out in class or uploaded on Blackboard. Please check Blackboard and your email regularly. Regarding electronic devices in class (such as personal laptops, cell phones, etc.), please be respectful of your peers and your instructor and do not engage in activities that are unrelated to class. Such disruptions show a lack of professionalism and may affect your grade. Students must follow the university policy for [Responsible Use of Computing](#).

Other Policies:

Disability Accommodations: Disability Services at George Mason University is committed to providing equitable access to learning opportunities for all students by upholding the laws that ensure equal treatment of people with disabilities. If you are seeking accommodations for this class, please first visit <http://ds.gmu.edu/> for detailed information about the Disability Services registration process. Then please discuss your approved accommodations with me. Disability Services is located in Student Union Building I (SUB I), Suite 2500. Email: ods@gmu.edu | Phone: (703) 993-2474

Official Communication via GMU Email: Mason uses electronic mail to provide official information to students. Examples include communications from course instructors, notices from the library, notices about academic standing, financial aid information, class materials, assignments, questions, and instructor feedback. Students are responsible for the content of university communication sent to their Mason email account and are required to activate that account and check it regularly. In the event

that class is canceled, I will notify you via email; this email will include information about making up the missed class.

Enrollment: Students are responsible for verifying their enrollment in this class. Schedule adjustments should be made by the deadlines published in the Schedule of Classes (available from the Registrar's Website: registrar.gmu.edu). Last Day to Add: January 30. Last Day to Drop without tuition penalty: February 6. Drop period with 50% tuition refund: February 7 – February 13. Drop period with no refund: February 14 – February 27. Selective withdrawal period: February 28 – April 3. After the last day to drop a class, withdrawing from this class requires the approval of the dean and is only allowed for nonacademic reasons.

Diversity: George Mason University promotes a living and learning environment for outstanding growth and productivity among its students, faculty and staff. Through its curriculum, programs, policies, procedures, services and resources, Mason strives to maintain a quality environment for work, study and personal growth. George Mason University promotes a living and learning environment for outstanding growth and productivity among its students, faculty, and staff. An emphasis upon diversity and inclusion throughout the campus community is essential to achieve these goals. Diversity is broadly defined to include such characteristics as but not limited to, race, ethnicity, gender, religion, age, disability, and sexual orientation. Diversity also entails different viewpoints, philosophies, and perspectives. Attention to these aspects of diversity will help promote a culture of inclusion and belonging, and an environment where diverse opinions, backgrounds, and practices have the opportunity to be voiced, heard, and respected.

Title IX: Notice of a mandatory reporting of sexual assault, interpersonal violence, and stalking: As an instructor, I am designated as a “Responsible Employee”, and must report all disclosures of sexual assault, interpersonal violence, and stalking to Mason’s Title IX Coordinator per University Policy 1412. If you wish to speak with someone confidentially, please contact one of Mason’s confidential resources, such as Student Support and Advocacy Center (SSAC) at 703-380-1434 or Counseling & Psychology Services (CAPS) at 703-993-2380. You may also seek assistance from Mason’s Title IX Coordinator by calling 703-993-8730 or emailing cde@gmu.edu.

Religious Holidays: A list of religious holidays is available on the University Life Calendar page. See the [Religious Holiday Calendar](#). Any student whose religious observance

conflicts with a scheduled course activity should let me know in advance of the conflict date so that we can make alternative arrangements.

University Resources and Support:

[The George Mason University Counseling and Psychological Services \(CAPS\)](#) staff consists of professional counseling and clinical psychologists, social workers, and counselors who offer a wide range of services (e.g., individual and group counseling, workshops, and outreach programs) to enhance students' personal experience and academic performance. Counseling Center: Student Union I, Room 364, 703-993-2380. Website [here](#).

[The George Mason University Writing Center](#) staff provides a variety of resources and services (e.g., tutoring, workshops, writing guides, handbooks) intended to support students as they work to construct and share knowledge through writing. University Writing Center: Robinson Hall Room A114, 703-993-1200. The writing center includes assistance for students for whom English is a second language.

[Student Support and Advocacy Center](#): Offers educational programs and support services to help students address issues related to personal wellness, interpersonal violence, and alcohol and drug use. SSAC also assists students who are encountering life challenges or crises. Need support for yourself or worried about a peer? You can submit a referral [here](#).

[Learning Services](#): Provides a variety of experience based learning opportunities through which students explore a wide range of academic concerns. Services include support to students with learning differences, individual study skills counseling, individualized programs of study, and provision of tutoring resources. Presentations on a variety of academic skill topics are available to the university community. The programs are open to all George Mason University students free of charge. Services are confidential and use of these services does not become part of the student's academic record.

[Center for Culture, Equity, and Empowerment](#): Leverages programs and services focused on advocacy and direct student support to strengthen equity and inclusion at George Mason University. Their three areas: [Student Access and Equity \(SAE\)](#), [Student Engagement for Racial Justice \(SERJ\)](#), and [LGBTQ+ Resources](#), serve as resources to those in the Mason Community who seek to meaningfully engage and interact with

people with different identities and intersections to co-create an equitable campus environment.

[University Career Services](#): Provides information on career choices, internships and employment, and graduate and professional school.

Don't see what you need? Check out the [Stearns Center list of Student Support Resources on Campus](#).