

**Fall 2020**  
**Statistics in Psychology**  
**PSYC 300-209/210**

**Lab Instructor:** Kevin Loo

**Email:** kloo@gmu.edu

**Lab Meeting Time:** Tuesday, 8:30am to 10:20am

**Virtual Office Hours:** Wednesdays 2:00pm to 3:00pm, or by appointment

(The office hours given above are tentative; they may be changed. All changes will be announced in class)

**Course Schedule:**

<b>Week</b>	<b>Date</b>	<b>Lab topics/Activities</b>
1	08/25	Lab Overview Introduction to SPSS + Statistics
2	09/01	Frequency and Visualization
3	09/08	Measure of Central Tendency
4	09/15	Measures of Variability
5	09/22	Probability
6	09/29	Normal Distributions and the Central Limit Theorem
7	10/06	Sampling Distributions
8	10/13	Hypothesis Testing
9	10/20	Testing the Difference of Group Means
10	10/27	Testing the Difference of Condition Means
11	11/03	Confidence in Statistical Estimates
12	11/10	ANOVA – Between Subjects
13	11/17	ANOVA – Within Subjects
<b>14</b>	<b>11/24</b>	<b>NO LAB (Thanksgiving Break!)</b>
15	12/01	ANOVA – Factorial
16	12/08	Correlations

## **Course Overview**

The lab assignments are designed to reinforce the material covered in the lecture portion of PSYC 300. Through homework assignments, you will have the opportunity to gain extra practice in performing statistical data analysis and hypothesis testing. Moreover, this lab serves as a platform to review difficult concepts in preparation for exams and real-world applications of statistical data analysis.

## **Required Text**

Statistics for the Behavioral Sciences (3<sup>rd</sup> edition), Gregory J. Privitera. Thousand Oaks, CA: Sage Publications. ISBN: 978-1-4522-8690-7

\* **NOTE:** *May borrow from GMU library for a short duration of time. For more information, go to: <http://library.gmu.edu/for/students/textbooks>*

## **Office hours**

Please email me to set up an appointment for a WebEx meeting. If you are unable to meet virtually, take advantage of the discussion board on Blackboard and ask any questions you may have, or email me with your questions. I will do my best to provide you with an answer within 48 hours.

## **Lab assignments & Grading**

The lab will count as 25% of your total grade toward PSYC 300. Your grades will be assigned based on completion, accuracy, and timeliness.

- **Lab Homework:** There will be 15 assignments throughout the semester. All lab homework will be graded and should be submitted via Blackboard, under *Lab Homework* tab by the beginning of the following lab. No late assignments will be accepted.

Lab assignment grading breakdown:

Fully completed – 2 points

Not completed/not turned in – 0 points

Partially completed – 1 point

- **Lab Quizzes:** One quiz for each chapter will be posted on Blackboard in this course. These quizzes will not be part of your grade; however, it is highly recommended to use this resource as a chance to better prepare for the exams.

### **Grade Breakdown**

A 90-100%

B 80-89%

C 70-79%

D 60-69%

F below 60%

## **General Policies**

### **Official Communications via GMU E-mail**

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 e-mail account and are required to activate that account and check it regularly.

### **Technology**

Since this lab is exclusively held online, you must have access to a computer and Blackboard. All assignments will be available on Blackboard.

### **Attendance**

Class attendance is extremely influential on your academic success and is strongly encouraged. During the lab, you will have chances to ask questions in regard to material from lecture that you may need extra help with. I will not be taking attendance in this course. If you are not in the lab, it is your responsibility to check Blackboard and complete the homework assignments.

### **Honor Code**

George Mason 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. It is every student's responsibility to familiarize himself or herself with the Honor Code. The Honor Code is available at: <http://oai.gmu.edu/the-mason-honor-code-2/>. All violations of the Honor Code will be reported to the Honor Committee.

### **Diversity**

In our lab, it is important to have an inclusive learning experience. As with the Mason Diversity Statement, "diversity is broadly defined to include such characteristics as, but not limited to, race, ethnicity, gender, religion, age, disability, sexual orientation," and economic status. Being thoughtful and respectful of people's opinions and backgrounds will help stimulate your environment and learning experience.

### **Accommodations**

Disability Services at George Mason University is committed to upholding the letter and spirit of the laws that ensure equal treatment of people with disabilities. Under the administration of University Life, Disability Services implements and coordinates reasonable accommodations and disability-related services that afford equal access to university programs and activities. Students can begin the registration process with Disability Services at any time during their enrollment at George Mason University. If you are seeking accommodations, please visit <http://ds.gmu.edu/> for detailed information about the Disability Services registration process. Disability Services is located in Student Union Building I (SUB I), Suite 2500. Email: [ods@gmu.edu](mailto:ods@gmu.edu) | Phone: (703) 993-2474.

### **Psychological Services**

Life is stressful, and we all need a little support sometimes. Students are encouraged to contact Counseling & Psychological Services ([caps.gmu.edu](http://caps.gmu.edu)) for assistance with any kind of psychological/life problem or crisis situation. As your instructor, I am designated as a "Responsible Employee." This means that I am required to 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 the Student Support and Advocacy Center (703-380-1434), Counseling and Psychological Services (703-993-2380), Student Health Services, or Mason's Title IX Coordinator (703-993-8730; [cde@gmu.edu](mailto:cde@gmu.edu)).

### **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

- September 8: Last day to drop classes with no tuition liability
- September 9-15: Drop period with 50% tuition liability
- September 16-28: Unrestricted Withdrawal Period (100% tuition liability)
- September 29-October 28: Selective Withdrawal Period (100% tuition liability)