University of Wisconsin Stevens Point

PSYC300 – Statistics for Psychologists, Sections 03
Fall, 2021
Lecture: M/W 3:30-4:45pm @ D224
Lab 1 : M 11-12:50pm @ D326
Lab 2 : M 1-2:50pm @ D326

Safety is our number one concern! Please read the following carefully.

Face Coverings:

At all UW-Stevens Point campus locations, the wearing of face coverings is **mandatory** in all buildings, including classrooms, laboratories, studios, and other instructional spaces. Any student with a condition that impacts their use of a face covering should contact the Disability and Assistive Technology Center to discuss accommodations in classes. Please note that unless everyone is wearing a face covering, in-person classes cannot take place. This is university policy and not up to the discretion of individual instructors. Failure to adhere to this requirement could result in formal withdrawal from the course.

Other Requirements:

- Please monitor your own health each day using this screening tool. If you are not feeling well or believe you have been exposed to COVID-19, do not come to class; email your instructor and contact Student Health Service (715-346-4646).
- As with any type of absence, students are expected to communicate their need to be absent and complete the course requirements as outlined in the syllabus.
- Maintain a minimum of 6 feet of physical distance from others whenever possible.
- Do not congregate in groups before or after class; stagger your arrival and departure from the classroom, lab, or meeting room.
- Wash your hands or use appropriate hand sanitizer regularly and avoid touching your face.
- Please maintain these same healthy practices outside the classroom.

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Office Hours: T/R: 12-2pm virtually (https://wisconsin-edu.zoom.us/j/96506252087)

Required Text

Textbook: *Using and Interpreting Statistics (3rd ed.)* by Corty

Required Software

Microsoft Excel (go to http://office.uwsp.edu to download and install Office on your computer)

Required Hardware

A working computer is recommended.

A graphing calculator is strongly recommended. (Ti-83 or 84)

Prerequisites

This is a basic statistics course that meets the requirements for the Psychology Major as well as several other majors on campus. This course also meets the Quantitative Literacy requirements for the General Education Program. It is expected that you have already accrued a basic understanding of the fields of mathematics and psychology. As such, it requires that you have completed PSYC 110 (Introduction to Psychology) and MATH 100 (College Algebra) or their equivalents. It is strongly recommended that you have also completed PSYC 200 (Research Methods in Psychology).

Course Description and Objectives

This course will introduce you to statistical reasoning and the application of basic statistical (descriptive and inferential) procedures. This course is intended to provide an understanding of why a particular statistic is appropriate for a given experimental design as well as the "inner workings" of each statistical test. Students completing this course should be able to:

- Understand the reasoning behind the use of various statistical tools and tests
- Identify which statistical technique or test is appropriate for different research situations
- Describe the results of an experiment and make inferences based on these results
- Calculate and interpret various descriptive and inferential statistical tests
- Identify and interpret various types of statistical graphs and charts
- Communicate statistical issues and results to non-statisticians in a clear and understandable manner
- Be comfortable using statistical software (Excel).

Grades:

Exams: 100 points each, total of 300 points
3 exams will be given throughout the semester to assess your understanding of the content provided in the readings and lectures. Due to the nature of the material, the exams will be **comprehensive**.

Honorlock will be used if we need to switch the exam online. Please make sure your computer is adequate.

The exams are NOT open book. You can, however, use Microsoft Excel or calculator during the exam.

Homework: 10 points each, total of 100 points
Throughout the semester, there will be 10 homework assignments. Homework problems will reflect information/procedures covered in the recorded lectures and can range from basic definitions to Excel operations.

Letter Grades will be calculated by your total cumulated grade divide by 400. Below is the grading scheme. All final percentages will be rounded up to the nearest whole percentage. For example, 79% is C+, 79.1% rounds up to 80%, which is a B-.

A:	100-94%	C+:	79-77%
A-:	93-90%	C:	76-74%
B+:	89-87%	C-:	73-70%
B:	86-84%	D+:	69-67%
B-:	80-83%	D:	66-60%

Class Policies

Format of delivery: The class will be delivered in person. If there is ever a need to switch a particular class period online, I will notify you as early as I can.

Makeups: Makeup opportunities for late/missed assignments will only be granted for **valid** reasons that can be substantiated by students. Assignments will be given to you at least 1 week before their due dates. Please let me know ahead of time if you anticipate any difficulties.

Disability: In accordance with the University policy, if a student has a documented disability and requires accommodations to obtain equal access in this course, he or she should notify the instructor at the beginning of the semester and make this need known. Students with disabilities must verify their eligibility through Disability Services (DS: LRC 609, 715-346-3365). To learn more about DS, go to: http://www.uwsp.edu/disability/Pages/default.aspx. To learn more about

the university's policies/procedures, go to:
http://www.uwsp.edu/stuaffairs/Documents/RightsRespons/ADA/rightsADAPolicyInfo.pdf

Professionalism: The instructor and students in this course will adhere to the University's general Codes of Conduct defined in the University's Community Rights and Responsibilities. The Code of Academic Conduct (Academic Honesty Policy) requires that students do not engage in academic dishonesty. For details, refer to:
Community Rights and Responsibilities
(*http://www.uwsp.edu/dos/Documents/CommunityRights.pdf*)
Academic Misconduct Webpage (http://www.uwsp.edu/dos/Pages/Academic-Misconduct.aspx)

My Policy: Be respectful to yourself, your fellow students and your instructor throughout the semester. Disruptive/disrespectful behavior will not be tolerated.

This will be an unusual semester. Many things can happen to make it difficult. Trust me, I understand. Communication is the key! Let me stress it again, if you anticipate and/or experience any difficulties, or just want to talk to a professor, please do not hesitate to contact me. I will try my best to help.

Tentative Schedule

Wks (starting date)		Topic	Labs
1	M	N/A	N/A
8/30	W	N/A	
2	M	N/A	No lab
9/6	W	Syllabus	
3	M	Introduction	No lab
9/13	W	Frequency Table & Histogram	
4	M		Lab 1
9/20	W	Central Tendency	
5	M	Variability	Lab 2
9/27	W	Standard scores and the normal distribution	
6	M	Review	Lab 3
10/4	W	Exam 1	
7	M	Introduction to Hypothesis Testing	Go over exam 1 in lab
10/11	W	Practice	
8	M	The Single-Sample Tests	No lab
10/18	W	Practice	
9	M	Independent -Samples t-Test	Lab 4
10/25	W	Paired- Sample t-test	
10	M	Practice	Lab 5
11/1	W	Practice	
11	M	Review	No lab
11/8	W	Exam 2	
12	M	One Way ANOVA	Go over exam 2 in lab
11/15	W	Two way ANOVA	
13	M	Happy Thanksgiving (no class this week)	No lab
11/22	W		
14	M	Correlation	Lab 6 & 7
11/29	W	Regression	
15	M	Practice	Lab 8 & 9
12/6	W	Review	
Final Week		Exam 3	

*The instructor reserves the right to amend this syllabus as deemed necessary and will communicate any changes to the class.

*Practice means we will be doing some problem solving related to the topics at hand. If class progresses fall behind, then we will use the practice days to catch up.