PSYC 300B A01 (31264)
Statistical Methods in Psychology II

Summer 2022

Dates:	July 4 to August 19, 2022
Lectures	Monday/Wednesday 12:30pm to 2:20pm; Friday 12:30pm to 1:30pm
Location:	Monday/Wednesday in CLE A127; Friday in HSD A240
Labs:	Thursday 10:30 to 11:20am (B01); Thursday 11:30 to 12:20pm (B02)
Location:	MACD 283

Instructor:	Jonathan Rush, PhD (he/him)
Office hours:	Wednesday 2:30 to 3:30pm; By appointment
Office:	Cornett B318; Zoom link for office hours
E-mail:	jrush@uvic.ca

Lab TA:	Elle Parsons (they/them)	TA:	Sabrina Francescangeli (she/her)
Email:	elsaparsons@uvic.ca	Email:	sfrancescangeli@uvic.ca
Office Hours:	By appointment	Office Hours:	By appointment

TERRITORY ACKNOWLEDGEMENT

We acknowledge with respect the Lekwungen peoples on whose traditional territory the university VWDQGV DQG WKH 6RQJKHHV (VTXLPDOW DQG :6ÈNEû SHRSOH continue to this day.

COURSE DESCRIPTION AND OBJECTIVES

This course will provide a conceptual and practical understanding of descriptive and inferential statistics as applied to psychological research. Scientific knowledge in psychology relies greatly on the use of statistics. An understanding of the core statistical concepts will enable you to become a critical consumer of scientific claims. We will provide you with the tools necessary to help you develop the skills needed to evaluate and carry out statistical analyses in psychological research. These skills include:

pla5T Q 2 the logic and theory underlying each analysis and implementing them

COURSE FORMAT

Lectures

A FEW ADDITIONAL NOTES

Calculator

You will need a calculator for this course. Pretty much any calculator will do as long as it has a square root function. You are encouraged to bring your calculator to each lecture/tutorial. Calculators will be needed for tests/exams. I would not recommend using the calculator on your mobile device, as this will not be permitted during tests/exams.

Study Groups

Working together in groups of 2 to 4 people on a regular basis (not just the day before the exam) is helpful for some people. If you find this helpful I highly encourage you to seek out other interested students (the Brightspace discussion forum or labs could be a good place to arrange this). Also, I welcome study groups to come see me in pre-arranged office hours.

Grading

As per university policy, your final grade in the course will be based on your total percent score. Grades

TENTATIVE CLASS SCHEDULE

This is a guide only. Topics covered in class may not correspond exactly with this outline.

Wk.	Date	Topic	Assignments
1	Mon July 4	Course intro; Hypothesis testing refresher	
1	Wed July 6	Power	
1	Thur July 7	*LAB 1: Introduction to R*	
1	Fri July 8	Power	
2	Mon July 11	*t*-test for Related Samples Design	**HW Assign 1 Due (power)**
2	Wed July 13	*t*-test for Independent Samples Design	
2	Thu July 14	*LAB 2: Descriptives & plots (Assignment 1)*	
2	Fri July 15	*t* test for Independent Samples Design	**Lab Assign 1 Due**
3	Mon July 18	Multi-group Designs (One-way ANOVA)	**HW Assign 2 Due (t-tests)**
3	Wed July 20	**Exam #1 (20%): Power, t tests**	
3	Thur July 21	*LAB 3: t tests (Assignment 2)*	**Proposal Due**

UNIVERSITY OF VICTORIA
Department of Psychology

Important Course Policy Information
Summer 2022

-

-

-

Policy on Academic Integrity including Plagiarism and Cheating
The Department of Psychology fully endorses and intends to enforce rigorously the Senate Policy on Academic integrity
https://www.uvic.ca/calendar/future/undergrad/#/policy/Sk_0xsM_V?bc=true&bcCurrent=08%20-%20Policy%20on%20Academic%20Integrity&bcGroup=Undergraduate%20Academic%20Regulations&bcItemType=policies. It is of utmost importance that students who do their work honestly be protected from those who do not. Because this policy is in place to ensure that students carry out and benefit from the learning activities assigned in each course, it is expected that students will cooperate in its implementation.

The offences defined by the policy can be summarized briefly as follows:

Sexualized Violence Prevention and Response at UVic

UVic takes sexualized violence seriously, and has raised the bar for what is considered acceptable behaviour. We encourage students to learn more about how the university defines sexualized violence and its overall approach by visiting www.uvic.ca/svp. If you or someone you know has been impacted by sexualized violence and needs information, advice, and/or support please contact the sexualized violence resource office in Equity and Human Rights (EQHR). Whether or not you have been directly impacted, if you want to take part in the important prevention work taking place on campus, you can also reach out:

Where: Office of Equity and Human Rights, Sedgewick Building, Room C115
Phone: 250 721 8021
Email: svpcoordinator@uvic.ca
Web: https://www.uvic.ca/sexualizedviolence/