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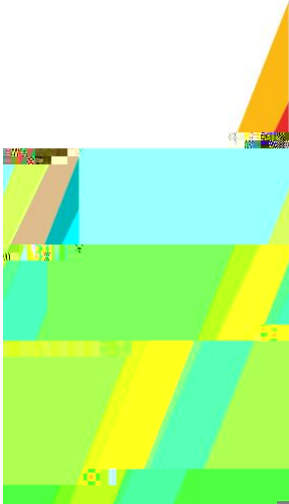
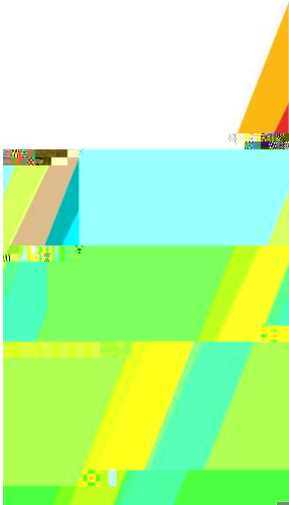




7. Identify and explain different methods of random sampling. [Topics 9, 10, 11]
8. Evaluate the generalizability of specific findings, including the population the sample is drawn from and caution in extending colonial western constructs to additional sociocultural contexts. [Topics 10, 11]
9. Develop skills to collaborate effectively in groups to solve a problem. [Workshops, Labs]

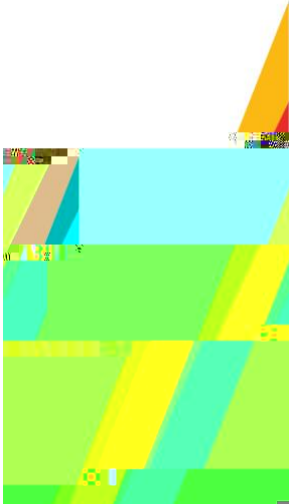
We will meet in person two times a week for 80-minutes of class time that will include a combination of lecture, in-class activities, and group workshops. You will also have 50-minute in person labs most weeks with your lab instructor that will include guided activities for you to further practice and apply the course content.

Course material will be presented in 4 sections through class slides, handouts, class activities, workshop sessions, labs, graded learning quizzes, ungraded practice homework assignments and ungraded practice quizzes. At the start of each new section, an outline is uploaded to Brightspace that details the material related to the class lectures and workshop sessions. Answer keys for workshops and homework will be available through Brightspace.

There is no required textbook for this course. Past students have found that lecture slides, in-class activities, learning quizzes, workshops, labs, and practice homework and quizzes provide them the necessary tools to succeed. All these materials will be posted on Brightspace (https://bright.uvic.ca/d2l/home/373067). However, if you are interested in a supplemental text as an additional resource, we recommend some of the following optional texts:

- Howell, David C. (2017). *Fundamental Statistics for Behavioral Sciences* (9th Edition). Wadsworth, Cengage Learning.
- Freely available: Navarro, D. (2019). *Learning statistics with R: A tutorial for psychology students and other beginners (version 0.6)* https://learningstatisticswithr.com/lsr-0.6.pdf; https://learningstatisticswithr.com/
- Field, A., Miles, J., & Field, Z. (2012). *Discovering Statistics Using R.* Thousand Oaks, CA: Sage Publications

- A (non-graphing). The calculator should have square root key, brackets, and exponents and at least one memory function. If you look for a scientific calculator at any office supplies store you should be able to find one will work for this class. You can generally find one for about $15-25. Please bring your calculator regularly to class and for exams.



- We will be introducing the R and R studio (a free and widely used statistical software program) during the labs in PSYC 300A. You will use it more extensively in PSYC 300B. You may be required to download the software. Information on downloading, installing, and using the software can be found in the Lab Brightspace site, and will be covered during lab time.

- An We use iClickers in class to work together through questions posed in class and 3% of your final grade will be based on your in-class iClicker participation. There are different options for how you can participate in class using the iClicker: (1) iClicker student app (on your smartphone, tablet, or laptop); or (2) physical iClicker remote, or (3) both. There are several options for purchase at the bookstore (which is cheaper than purchasing a subscription directly from the app). If you are taking both PSYC 300A and B, we recommend the 8-month polling access for $21.95. But there is also a new iClicker remote + 5 years polling access for $57.95; a used iClicker remote (first or second-generation iClickers can be used) for $34.95, and a 6-month polling access for $17.95. For more information on how to register your iClicker to receive points, please see page 10.

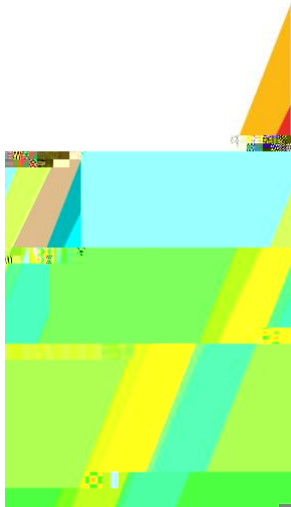
- Please be advised that in this course you are not authorized to use any form of generative AI for any assessments. In order to successfully complete course activities, generative AI is not required. Specifically students should not make any use of generative AI tools such as ChatGPT, Grammarly, among others that use AI for content generation and editing for any of the marked assessments. As the University of Victoria states on its Academic Integriy Policy ñAcademic integrity requires commitment to the values of honesty, trust, fairness, respect, and resposibility.òTherefore, I expect you to compy with the course syllabus and I encourage you to enhance your academic experience in this course by refraining from using generative AI.

<u>What we expect from you</u>

Attending class regularly will help to increase your understanding of the material by providing you with opportunities to engage with and discuss the material.
Please bring:

a) lecture notes (posted on Brightspace ahead of time);
b) notebook/paper, writing implements, and a calculator to work through practice problems in class;
c) and your iClicker (or the iClicker app on your phone or tablet) to engage with activities in class.

To facilitate discussion and allow you to clarify any questions you may have about the material, you should come prepared for in-class workshops and labs. At minimum, please go over your notes and complete the graded learning quizzes before workshop and lab days. You can also complete homework and



final grade for each quiz being your highest score of all your attempts. The questions are somewhat randomized so you may receive different questions each time you take the quiz. There will be no time limit on the quizzes and all quizzes that have been started will be submitted and will count as an attempt.

#	**Topic**	**Due Date (Due at 11pm)***
1	Topics 1 & 2	Wed Sep 11
2	Topic 3	Wed Sep 18
3	Topic 4	Fri Oct 4
4	Topic 5	Wed Oct 16
5	Topic 6 & 7	Wed Oct 30
6	Topic 8	Sun Nov 3
7	Topic 9 & 10	Wed Nov 20
8	Topic 11	Sun Dec 1

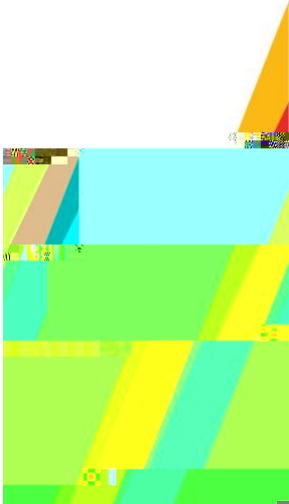
*An automatic 12-hour extension will be implemented on each quiz such that you will have until 11am the next day to complete it. Since we drop the two lowest quiz grades and grant an automatic 12-hour extension on quizzes, there are no additional make-ups for quizzes.

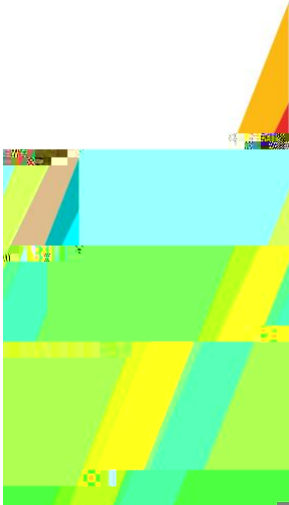
The goal of labs is to get hands-on practical experience so that students can deeply integrate the course material and learn from each other. To complete labs, you will work in groups of 3-6 students during lab sessions. Each group will hand in one lab at the end of each lab session. Each group member is expected to contribute equally to the submitted product. If a person has concerns regarding the contribution of one or more members of the group, they should speak to Dr. Chim. Students are expected to come to lab sessions prepared. There will be 11 lab sessions in total with 7 content labs and 4 programming (R) labs. Studentsô lowest content lab and lowest programming lab will be dropped such that the best 6/7 content labs and the best 3/4 programming labs will count towards the final lab grade. This will allow you to miss up to two lab sessions due to illness or other factors without penalty. The points from the content labs will make up 90% of the lab grade; and the points from the R labs will make up 10% of the lab grade.

Labs are mandatory, and you must earn a minimum grade of 50% (a passing grade) or you will be ineligible to write the final exam and will receive an Fô in the course, regardless of your performance in the rest of the course. Note: Lab grades are not rounded up. Given that we drop two of the lowest lab scores, there are no make-up labs.

We will base 3% of your final grade on your in-class participation using the *iClicker* Personal Response System.

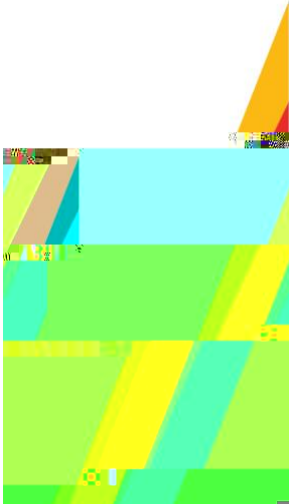
Clickers are used as a way to work together through questions posed in class. When used effectively, iclickers can increase your ongoing engagement and involvement, promote a safe environment to communicate your answers, and create lively discussions in class. Clickers can also provide immediate feedback about your understanding of the class material and help us figure out how to improve your understanding of a concept.





Wk	Date	Class Topic	LQ Due	Lab Topic
1	Thu Sep 5	Topic 1: Scales of Measurement		No Labs
2	Mon Sep 9	Topic 2: Frequency Distributions	Wed Sep 11	Scales of Measurement
	Thu Sep 12*	Topic 3: Central Tendency and Variability		
3	Mon Sep 16*		Wed Sep 18	Frequency Distributions
	Thu Sep 19*	Catch-up; **Workshop Session #1**		
4	Mon Sep 23*	Topic 4: Correlation		R Basics
	Thu Sep 26	**Exam #1** (Part 1: Topics 1-3)		
5	Mon Sep 30	National Day for Truth and Reconciliation (no class)	Fri Oct 4	R Basics
	Thu Oct 3*	Topic 4: Correlation (contôd)		
6	Mon Oct 7*	Topic 5: Regression		Correlations
	Thu Oct 10*			
7	Mon Oct 14	**Thanksgiving (No Class)**	Wed Oct 16	Regressions
	Thu Oct 17*	Catch-up; **Workshop Session #2**		
8	Mon Oct 21*	Topic 6: Normal Distribution		R Basics
	Thu Oct 24	**Exam #2** (Part 2: Topics 4 & 5)		
9	Mon Oct 28*	Topic 7: Probability; Topic 8: Distributions and Hypothesis Testing	Wed Oct 30	Distributions
	Thu Oct 31*			
10	Mon Nov 4*	Catch-up; **Workshop Session #3**	Wed Nov 3	R basics
	Thu Nov 7	Topic 9: Sampling Distribution of the Mean		
11	Mon Nov 11	Remembrance Day; Reading break (no class)		No Labs
	Thu Nov 14*	**Exam #3** (Part 3: Topics 6-8)		
12	Mon Nov 18*	Topic 10: Single Sample Hypothesis Testing (z-test)	Wed Nov 20	Error Detection
	Thu Nov 21*	Catch-up; **Workshop Session #4**		
13	Mon Nov 25*	Topic 11: Single Sample Hypothesis Testing (t-test)		Hypothesis Testing: z-test
	Thu Nov 28*			
	Mon Dec 2*	Catch-up; **Workshop Session #5**	Sun Dec 1	No labs

*iClicker participation points will count in these classes
Sep 17 is the last day to drop the course for 100% reduction of tuition fees
Sep 20 is the last day to add courses
Oct 8 is the last day to droR N S



UNIVERSITY OF VICTORIA

Department of Psychology

Important Course Policy Information

Fall Session 2024

Accessible Learning

The University of Victoria is committed to creating a learning experience that is as accessible as possible. If you are registered with the **Centre for Accessible Learning** and anticipate or experience any barriers to learning in this course, please feel welcome to discuss your concerns with me. If you are a student with a disability, a 2nd-1 esrequirement set by the instructor for lectures, laboratories, online courses, studentworks, learning activities, tutorials, or other learning activities set out in the course outline.

Medical documentation for short-term absences is **not required** (approved by Senate). Students who cannot attend due to illness are asked to notify their instructors immediately. If illness, accident, or family affliction causes a student to miss the final exam or to fail to complete any required assignment/assessment by the end of the term students are required to submit a request for academic concession (see below).

Children and Pets

If you need to bring your children or pet to class, please do not hesitate to do so. It is understood that sometimes this is necessary due to care circumstances. However, please aim to have minimal class disturbance so that student learning is not impacted.

Class Recording and Auto-Captioning Statementerrors. If you find captioning errors that are offensive, please contact your instructor and/or teaching as that they are aware. If you require captions as part of an academic accommodation, please contact CAL

Commitment to Inclusivity, Diversity

nt for all its members. All members of the university community have the right to this experience and sibility to help*create* such an environment. The University will not tolerate racism, sexualized violence, of discrimination, bullying, or harassment.

dvised that, by logging into UVic's learning systems or interacting with online resources and course-mmunication platforms, you are engaging in a University activity.

ons within this environment are subject to the university expectations and policies. Any concerns about duct may be reviewed and responded to in accordance with the appropriate university policy.

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**. It is of utmost importance that students who do their work honestly be protected from those who do

Prerequisites

Students who remain in courses for which they do not have the prerequisites do so at their own risk. Students who complete courses without prerequisites ARE NOT exempt from having to complete the prerequisite course(s) if such courses are required for the degree program.

Program Requirements

For more information see the **UVic Calendar**.

Registration Status

Students are responsible for verifying their registration status. Registration status may be verified using My Page, View Schedule. Course adds and drops will not be processed after the **deadlines** set out in the current UVic Calendar.

Students who do not attend classes must not assume that they have been dropped from a course by an academic unit or an instructor. Courses that are not formally dropped will be given a failing grade, students may be required to withd (i)5 (l)5.1 (/ (ng)6.1 (t)2.6 (e)9 (t)2.6 (hd (a (l)5.1 (no)1.9 (t)2.V 9 (e)9 tT2B(t)2.73tm5L1 (i)dT06 (s)-1(i)5.1 (t)2.6 Tc 0 T6 (a)

This classroom is a trans-inclusive space

Please indicate if you have a preferred name and pronoun that you'd like to be used in the classroom. Please e-mail your instructor or your TA if you would like to discuss the climate of this classroom for trans students. Gender neutral bathrooms are available at UVic.

University of Victoria Students' Society (UVSS)

The **UVSS** is a social justice based non-profit run by students, for students and is entirely separate from UVic. As an undergrad student, you are already a member! We work on issues affecting students such as affordability, public

Sexualized Violence Prevention and Response at UVic

A note to remind you to take care of yourself. Do your best to maintain a healthy lifestyle this semester by eating well, exercising, getting enough sleep and taking some time to relax. This will help you achieve your goals and cope with stress. All of us benefit from support during times of struggle. You are not alone.

Social Life, Friends, & Community at UVic:

Having a social network is an extremely important foundation for positive mental health. There are lots of benefits to joining clubs,