

## PSYC 300A – 03 Statistical Methods in Psychology I Fall 2021: September-December

### When and Where is Class?

Lectures	When: Mondays, Wednesdays, and Thursdays at 2:30pm-3:20pm PT Where: Cornett Building B143 Note: Be aware that sessions in this course may be recorded to allow students who are not able to attend to watch later. The recording will be posted in Brightspace. Students who have privacy concerns can contact me and will have the option to limit their personal information shared in the recording. If you have other questions or concerns regarding class recording and privacy please contact <b>privacyinfo@uvic.ca</b> . Please note also that glitches may occur at times that prevent recordings from being possible or diminish the quality of the recording.
Labs	Check the academic calendar to find the date and time for which you signed up

### Meet Your Teaching Team

#### Professor:

<b>Name</b>	<b>Dr. Maria Iankilevitch</b>
Email	mariaiankilevitch@uvic.ca
Office Hours In-Person	Wednesdays 4:30pm PT and by appointment in COR A241
Office Hours Online	Thursdays 4:30pm PT and by appointment via Zoom

#### Teaching Assistants:

Name	Contact	Office Hours
Peter Sugrue	petersugrue@uvic	
Michaela Trites	mtrites@uvic.ca	By appointment in COR B329 and/or online

\*Note that in-person Tuesday office hours will be on Sept. 14<sup>th</sup>, Sept. 21<sup>st</sup>, Sept 28<sup>th</sup>, Oct. 12<sup>th</sup>, Oct 19<sup>th</sup>, Nov 2<sup>nd</sup>, Nov 9<sup>th</sup>, Nov 23<sup>rd</sup>, Nov 30<sup>th</sup>, and Dec 7<sup>th</sup>. Additional times will be available for exam viewings with TA's when midterm exams are graded.

### Prerequisites

#### Prerequisites for PSYC 300A:

1. PSYC 201 and the Academic Writing Requirement (AWR) fulfilled
2. Highly recommended: Math 12 (Pre-Calculus), MATH 120 at UVic, or MATH 151 at UVic

### Course Description

This course provides a conceptual and practical understanding of descriptive and inferential statistics as applied to psychological research. With an understanding of the core statistical concepts learned in this course, students will develop their skills to evaluate and carry out statistical analyses in psychology and become critical consumers of scientific claims.

**Class structure:** Each week will include

## Learning Goals

By the end of the course, students should be able to...	
<b>Understand</b>	Explain which statistical analyses to conduct for a given study design. Explain the logic and theory behind each analysis.
<b>Apply</b>	Calculate the appropriate statistic for the appropriate purpose. Apply your understanding of statistics to answer various research questions.
<b>Analyze</b>	Examine, compare, and contrast different types of study designs and analyses. Organize, structure, and analyze data.
<b>Evaluate</b>	Evaluate the quality of statistical analyses that have been already conducted. Think critically about data and analyses. Decide the best course of action to proceed with. Draw correct conclusions based on evidence.
<b>Communicate</b>	Convey research ideas and research findings in written communication. Communicate the results of an analysis in a clear and concise manner.

## Course Resources and Required Materials

There is no textbook required for this course. All course content will be delivered through lectures, assignments, and discussions of course concepts. If you are interested in having a supplemental text as a guide, I recommend the following **optional** texts:

1. Field, A., Miles, J., & Fields, Z. (2012). *Discovering statistics using R*. Thousand Oaks, CS: Sage Publications.
2. Gravetter, F. J., & Wallnau, L. B. (2017). *Statistics for the behavioral sciences* (10<sup>th</sup> ed.). Wadsworth, Cengage Learning.
3. Howell, D. C. (2017). *Fundamental statistics for behavioral sciences* (9<sup>th</sup> ed.). Wadsworth, Cengage Learning.

You will need a scientific (non-graphing) calculator for this course to be able to work on problems. It is recommended that the calculator have exponents, brackets, square root, etc., which are standard functions on a scientific calculator.

You will need an iClicker Personal Response System. The iClicker can be purchased at the bookstore new or used. Both the first and second-



## Course Communication and Support

As a first step, you should always check the syllabus and the course website to find the answer to your questions. If you do have a question, there are several ways you can get help. Given that oftentimes multiple people have the same question, we will make use of discussion boards so that everyone can see questions that are asked. Students are also encouraged to answer each others' questions on the discussion boards to help build our classroom community. Below are different ways that you can find information and get support in this course:

1. Check Brightspace (i.e., syllabus, discussion boards, exam instructions, lectures, etc.)
2. Students are welcome to ask questions during lectures and labs by raising their hand.
3. Students may speak to the professor during class time (i.e., before class and after class if times allows).
4. The [Ask a Question – Content](#) discussion board should be your first go-to for general content-related questions.
5. The [Ask a Question – Assessments/Course Logistics](#) discussion board is your first go-to for questions related to assessments (e.g., exams) and logistics of the course.
6. Students are welcome to attend the professor's or the TA's office hours for one-on-one meetings.
7. Students can also email the TA's or the professor to set up a one-on-one meeting.
8. Students are encouraged to form study groups with fellow students and/or to work with their lab groups to study together and/or ask questions.
9. For questions of a personal nature (e.g., extensions, concerns, accessibility, illness, etc.), students should email the professor and can set up a one-on-one meeting if needed.

**Discussion boards:** We will be using discussion boards to post comments and questions throughout this course. Please keep in mind that everyone will be able to see these posts. All posts should be written in a professional and respectful tone. In online communication though, it is easy to misunderstand or misread the tone of something written. Therefore, here are some tips for how to remain respectful via online communication, whether creating an original post or responding to someone else's post:

- x Avoid making personal comments about other individuals and focus instead on the topic at hand. You should avoid commenting on the value of others.
  - x Use only language and wording that you would say to someone face to face. If you would not
- s-1.1 -1.1l.229 TdT.1 (hr)-6.3 (o)0 TT1 1 Tf0.458(of)(e s)-8.1 (o)-12.1 (e t)e686e ttoimmeso]TJ-29.5F1.1 2e to fd
- x Avndi

**Emails:** When communicating via email please adhere to the following protocols:

- x Students can expect an **email response within 48 hours not including weekends** (do not email the night before an assignment is due with a question about the assignment, we might not see your email in time to send a helpful reply). If we have not answered your email in two business days, feel free to send a follow-up email.
- x Please consult the course outline, other handouts, and the course website BEFORE submitting inquiries by email.
- x If you want to set an appointment for a virtual meeting, include a **variety of dates and times** that would work for you, and allow a few days for us to get back to you. Please do not email the night before and expect us to be available the next day.
- x In the subject line indicate the course code, section number, and the topic of your email (e.g., PSYC300A-03 descriptive statistics question).
- x Emails should come from your uvic email account to communicate with the professor and the TA.
- x All communications (verbal, email) should be respectful in language and tone and constructive in nature. This includes communications with the professor, the TA, and your fellow students.

**The big picture:** Ultimately, **you are not alone** in this course and the teaching team is here to support you! All you need to do is take advantage of the many resources available! We look forward to interacting with you all!

## Course Feedback

You may submit feedback anonymously about the course at any time throughout the semester by completing a brief feedback form, which can be found on the [Feedback about the Course](#) page in the "Ask a Question

## Department of Psychology Important Course Policies Fall 2021

### 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 September 2021.

### 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.

### Commitment to Inclusivity and Diversity

The University of Victoria is committed to promoting, providing and protecting a positive and supportive and safe learning and working environment for all its members.

### In the Event of Illness, Accident or Family Affliction

x What to do if you miss the final exam schedule d during the formal exam period

Apply at Records Services for a "Request for Academic Concession", normally within 10 working days of the date of the exam. Records Services will forward the form to the instructor. If the concession is granted, the instructor will determine how to deal with the situation (for example, a deferred exam). Where a concession is not applied for or where such application is denied, an N grade will be entered on the student's academic record.

OR, you can download the Request for Academic Concession form here:

[http://0-1.150.3\(-\)-1.1\( \)3\(es\)-8\(t\)-1.2\(f\)-1.1J0Tc0Tw.47o2.4ucgied,DrC/Li1.557adtolipw\(t\)-1.1\(i\)3.1\(oe\)onelar\(mi\)3.12.2r\(mi\)3.12.demng-1asionfppexaw\(i\)3.1\(oequ\)-12.3rdsSS--.7\(em\)-12.3fsor m tos3aque\]TJ](http://0-1.150.3(-)-1.1( )3(es)-8(t)-1.2(f)-1.1J0Tc0Tw.47o2.4ucgied,DrC/Li1.557adtolipw(t)-1.1(i)3.1(oe)onelar(mi)3.12.2r(mi)3.12.demng-1asionfppexaw(i)3.1(oequ)-12.3rdsSS--.7(em)-12.3fsor m tos3aque]TJ)

## Policy on Academic Integrity including Plagiarism and Cheating

## Be Well

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.

**Counselling Services:** Counselling Services can help you make the most of







## Tentative Course Outline and Schedule

WEEK	DATE	TOPIC	HOMEWORK/ QUIZZES DUE
<b>SECTION 1: UNIVARIATE STATISTICS</b>			
1	Wed Sept 8	Topic 1: Course Introduction	HW/Quiz Topic 1 Due Oct 1
	Thu Sept 9	Topic 1: Scales of Measurement	
	Mon Sept 13	Topic 1: Scales of Measurement	
2*	Wed Sept 15	Topic 2: Frequency Distributions	HW/Quiz Topic 2 Due Oct 1
	Thu Sept 16	Topic 2: Frequency Distributions	