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| **instructor:** | dr. Jessica K. Perrotte | **OFFICE HOURs:** | MON: 1:00 PM – 3:00 PM (VIA ZOOM; see posted link) |
| **email:** | J.PERROTTE@TXSTATE.EDU | **EMAIL HOURS:** | MON.-FRI. 9 am- 4 pm  |

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## **please use the following subject line format when emailing DR. PERROTTE ABOUT THE COURSE:**

## **psy5311.001: \*\*\*insert subject\*\*\***

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### **Course Goals**

The primary course objective is for students to develop a basic and applied understanding of numerous statistical concepts as they relate to the field of psychology. Topics include analysis of variance, linear regression, logistic regression, and nonparametric tests. By the end of the semester, students should be able to apply the statistical methods discussed in this course to psychological research, including conducting the appropriate analysis using statistical software and articulating an appropriate corresponding conclusion.

This is a required course for all first-year psychology graduate students.

### **CLASS STRUCTURE**

This course will be delivered online via a combination of synchronous and asynchronous instructional methods. More details on this can be found on the course schedule, at the end of this syllabus.

### **COURSE MATERIALS**

There will be **no** assigned textbook for this course this semester. Lectures and course content will be drawn from a variety of sources. Periodically, readings may be posted on CANVAS, and you will be alerted to these. That said, some of you may find that you benefit from having a textbook, as it may help you more deeply engage with course concepts. If you do not already have a textbook from a previous statistical course, you may find this one useful as some (but not all) of the formulas we will discuss in class are adapted from this book:

* Gravetter, F. J., & Wallnau, L. B. (2004-2015). *Statistics for the Behavioral Sciences:* (anything beyond 6th edition acceptable). Belmont, CA: Wadsworth/Thomson
	+ Older versions of this book are absolutely okay to purchase, and are usually fairly inexpensive compared to newer editions
	+ Note that I will diverge from the text during lectures. Importantly, assignments will be based on lecture material.

You will need internet access and a desktop computer or laptop capable of running IBM SPSS statistical software through the University.

**DIVERSITY AND INCLUSION**

I believe diversity enriches all aspects of our respective academic (and human) experience. Thus, I place a high importance on creating a classroom environment that respects and honors *every* person. I will strive to approach discussions in this course mindfully and respectfully and ask that you do the same. I also accept that we are all human, which comes along with moments of error. If at any time you feel discomfort with the course, whether it be from mine or a peer’s conduct, it is safe for you to reach out to me. If you are uncomfortable reaching out directly, please feel free to use the anonymous survey link posted on CANVAS. Furthermore, if there is anything about you that you feel I should know (e.g., preferred pronoun that may not coincide with school records), do not hesitate to reach out.

**GENERAL COURSE OVERVIEW**

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| Course Component | Mode of Delivery |
| Content lectures | Content lectures will occur on Mondays throughout the semester. I will record my lectures and post to CANVAS on Monday mornings. Students will be able to view lectures asynchronously but *must* watch the lecture on Monday so there is ample time to study the content and prepare for class each Wednesday. |
| Active learning/lab days\* | Unless otherwise noted on the schedule (i.e., during midterm, finals, and Thanksgiving), active learning/lab days will be on Wednesday, and they will occur synchronously using Zoom. You must have access to a laptop or desktop computer and SPSS through the university to attend and participate in active learning days.  |
| Homework | As depicted on the schedule, homework will be due every Monday, beginning on 8/31 by 11:59 pm (unless otherwise noted). You will work in in groups of three or four – albeit remotely – to complete homework. I will randomly assign the groups for each week so that you have the opportunity to work with different people. Homework will be submitted online as an assignment through CANVAS. When applicable, students must used APA format (7th edition) when completing homework assignments. I highly recommend you turn in the homework early as late homework will not be accepted.  |
| Quizzes | With the exception of midterms, finals, and Thanksgiving week, you will have a short quiz at the beginning of each Wednesday class, assessing your grasp of content lecture concepts. These will be delivered online through CANVAS and *will only be available for the first ten minutes of class*. It is very important that you are able to log into class on time on Wednesdays to complete the quiz each week. These will be lower stakes (i.e., worth fewer points) at the beginning of the semester as I understand it may take some time to become familiar with the course, but they will increase in point value over time.  |
| Exams | Exams will be delivered online through CANVAS. The midterm exam will be on Monday, October 26th. The final exam will be on Monday, December 7th.The exams will be available to students from 9:30 am until 1:30 pm, however, once you begin taking the test you will only have one hour and twenty minutes to finish. There are no make-up exams. |
| Projects | Project 1 will be due by 11:59 pm on Friday, October 30th and Project 2 will be due by 11:59 pm on Friday, December 10th. You can find the project descriptions as well as the rubric I will use for grading under the project module on CANVAS. Students must submit projects using APA format (7th edition). As with homework, projects must be turned in on time and will not be accepted late. |
| \* | SPSS should be available to students via: remote.txstate.eduIf you are unable to access SPSS, please contact ITAC promptly. |

### **Course guidelines**

1. I cannot stress the importance of attendance and participation enough
2. Students are responsible for regularly checking CANVAS as well as email.Announcements will be posted to CANVAS and emailed to you. This includes any last-minute class announcements, modifications to assignments, and changes to the syllabus.
3. For organizational purposes, I prefer to use the module view rather than the pages view when designing my course in CANVAS. I strongly suggest students view the course using the module option as well.
4. The best method to contact me is by email. I typically respond to email messages within 24 hours of receipt, or sooner, if they are sent to me within my posted email hours (see top of this syllabus).
5. However, following the previous guideline, if you have a question about course-related material, I will have a designated discussion post in CANVAS for asking/answering questions. Instead of emailing my txstate.edu address, please submit questions to this discussion thread. Similarly, if you have a question related to course content (e.g., need clarification on lecture topic, question about homework), please check the discussion post to see if someone else has already asked the same question. If not, please add! It is common for several students to share the same question. I will typically answer these questions within 24 hours after they are posted.
6. It is your responsibility to make sure that you have access to a computer with internet access and any additional features that may be necessary for you to use CANVAS outside of the classroom. It is also your responsibility to make sure that you have access to technology required for the class in general (e.g., Microsoft Office, SPSS). If you are having technical difficulties contact ITAC for assistance. I do not have the capability of fixing these problems for you remotely. However, if you find that you are unable to submit an assignment or access a quiz/exam at the designated time, please email me immediately so we can address the issue.
7. Grades cannot be given or discussed over email or by fax or phone. Please come to office hour or set up an appointment to discuss your grade. I will enable a waiting room feature on Zoom in office hour so you may speak to me privately.
8. Cheating of any kind on quizzes, exams, and projects is strictly prohibited. While homework and lab days are meant to be collaborative, quizzes, exams, and projects are individual efforts.

**GRADING FOR THIS COURSE**

Grades will be based on a point system, and you will accrue points throughout the semester.

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| **Activity** | **Maximum Available Points** |
| Homework | 75 |
| Quizzes | 50 |
| Participation | 25 |
| Exams | 100 |
| Projects | 150 |

**GRADING SCHEME:**

Grade Distribution

A 360-400 pts.

B 320-359 pts.

C 280-319 pts.

D 240-279 pts.

F < 240 pts.

### **Course and Syllabus Changes**

This syllabus is tentative and course content or scheduling may change. The syllabus is as complete as possible with the most recent information available on the date of its issuance. I reserve the right to make any changes necessary and will make every effort to communicate any changes in a timely manner. Students are responsible for regularly checking CANVAS and taking note of any changes to the course, which will be communicated via announcements and/or email.

### **Texas State University Services and Policies**

**Texas State’s Honor Code:**

Texas State students are part of an academic community that strives to embody specific principles, such as conscientiousness, respect, and honesty.

Students at our university recognize that, to ensure honest conduct, more is needed than an expectation of academic honesty, and we therefore adopt the practice of affixing the following pledge of honesty to the work we submit for evaluation:

I pledge to uphold the principles of honesty and responsibility at our university.

Please visit the following website for the complete Texas State honor code: https://www.txstate.edu/honorcodecouncil/Academic-Integrity.html

**Students with Disabilities**

Any student with a disability who requires one or more accommodations to participate in this course, please contact me via email as soon as possible. I am also available before and after class, and during office hour in person. Failure to contact me in a timely manner may cause a delay your accommodations. Please note that you will be asked to provide documentation (i.e., Accommodation Letter) from the Office of Disability Services. If you do not have the Accommodation Letter but feel you require one, please contact the Office of Disability Services (512-245-3451).

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| **TENTATIVE CLASS SCHEDULE** |
| Week of | Topic | HW  | Quiz | Other Notes? |
| August 24th | Review, Back to Basics | N/A | 26-Aug |  |
| August 31st | Review of Inferential Statistics | 31-Aug | 2-Sep |  |
| September 7th | Correlation | 7-Sep | 9-Sep | Labor day (no class Monday, asynchronous on Wednesday) |
| September 14th | Regression | 14-Sep | 16-Sep |  |
| September 21st | t-test  | 21-Sep | 23-Sep |  |
| September 28th | One-way ANOVA | 28-Sep | 30-Sep |  |
| October 5th | Factorial ANOVA  | 5-Oct | 7-Oct |  |
| October 12th | Factorial ANOVA (cont'd.) | 12-Oct | 14-Oct |  |
| October 19th | ANCOVA | 19-Oct | 19/21 |  |
| October 26th | Midterm Exam and Project | N/A | N/A | No HW due/No lab day |
| November 2nd | Multiple Regression | 2-Nov | 4-Nov |  |
| November 9th | Multiple Regression (cont'd.) | 9-Nov | 11-Nov |  |
| November 16th | Multiple Regression (cont'd.) | 16-Nov | 18-Nov |  |
| November 23rd | Logistic Regression | 23-Nov | N/A | Thanksgiving week, no class on 25th/No lab day |
| November 30th | Nonparametric Tests | 30-Nov | 2-Dec |  |
| December 7th | Final Exam and Project | N/A | N/A | No HW due/No lab day |
| ***Note.* Unless otherwise specified, homework is due each Monday, beginning 8/31, at 11:59 pm** |
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