



PSY 330: Statistical Methods

Course and Faculty Information

Course Description: Advanced application of statistics to psychology. Highly recommended for students interested in attending graduate school.

Credits: 3 (each student is expected to put in 15-18 hours of work within each module, per Carnegie guidelines)

Prerequisites: ECN 221, JUS 302, POS 401, PSY 230, 231, QBA 221, SOC 390, 395, or STP 226 with C or better

Instructor: Dr. M. E. Aktunc **Email:** maktunc@asu.edu

Office Hours via Zoom:

(Note everywhere in the course, time is given in Arizona time [local to campus].) Regular office hours are open to all, every Tuesday, modules 1-7 inclusive of the course, 11 a.m.-noon at <https://asu.zoom.us/my/m.e.aktunc>— just drop in! Instead or in addition, you might email the instructor to schedule a time for a one-to-one office hour on zoom.

Course Assistants:

If your surname begins with letters A-N, please contact:

Haruka Oshika, hoshika@asu.edu

If your surname begins with letters O-Z, please contact:

Hannah Fillinger, hrfillin@asu.edu

Purpose of the Course

This course builds on the fundamental concepts learned in introductory statistics (such as PSY230) to provide additional insights and related concepts in statistical analysis. The course focuses on guiding students in selecting statistical methods, performing statistical analysis, and interpreting statistical analysis results.

Course Learning Outcomes

At the completion of this course, students will be able to:

- Identify the appropriate statistical method for data analysis for a real-world scenario or scientific research question.

- Perform and interpret statistical analysis using SPSS, with both descriptive statistics and inferential statistics (including t-tests, ANOVA, correlation, regression).
- Interpret data analysis results in relation to real-world and scientific implications.
- Critically evaluate statistical analysis reported in research publications and news media.

Textbook

****Not having read the text may particularly impact your performance on the Final Examination.****

Introduction to Statistics in the Psychological Sciences (Cote et al., 2021)

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The book in PDF format can be downloaded in Canvas or

at <https://open.umn.edu/opentextbooks/textbooks/709>[Links to an external site.](#)[Links to an external site.](#)

Failure to obtain access to the textbook referenced just above, at any point in the course, is not considered an emergency for the purpose of due date extension requests.

Course Access

Your ASU courses can be accessed through your My ASU home page. You can also go to canvas.asu.edu to access your Canvas Dashboard where all your courses in Canvas can be accessed.

Update on system outage is available at https://asu.service-now.com/sp?id=services_status[Links to an external site.](#)

Computer Requirements

This is a fully online course; therefore, it requires a computer with internet access and the following technologies:

- Web browsers (*Chrome, Mozilla Firefox, or Safari*)
- *Adobe Acrobat Reader* (free)
- Webcam, microphone, headset/earbuds, and speaker
- *Microsoft Office 365* (available free of charge via My ASU for all currently-enrolled ASU students)
- *IBM SPSS 28* (or later or earlier version, available free of charge via My ASU for all currently-enrolled ASU students)
- Reliable broadband internet connection (DSL or cable) to stream videos.

Note: A smartphone, iPad, Chromebook, et cetera will not be sufficient for completing your work in ASU Online courses. While you will be able to access course content with mobile devices, you must use a computer for all assignments, quizzes, and other activities.

Help

It is students' responsibility to ensure all submissions are made on time and effectively, and to contact Tech Support immediately with any issues. For technical support, use the Help icon in the black global navigation menu in your Canvas course or call the ASU Help Desk at (855) 278-5080.

Representatives are available to assist you 24 hours a day, 7 days a week. Note if you have trouble downloading SPSS, or it won't turn on/files won't open, you would contact Tech Support (and not, for instance, the SAM Lab).

If technical issues prevent you from submitting on time, it is your responsibility to contact Tech Support within 24 hours of the issue occurring, get a Ticket Number from that office, and email that number to your instructor the same day you get it. **Print this syllabus immediately so, for instance, if you cannot connect to Canvas, you can still call Tech Support for help.**

Student Success

As with any online course, successful students tend to plan their work schedules *at the start of the course*. What's involved in that? You should, for instance, look at assignment due-dates, and take into consideration, when planning *when* you will complete each assignment, *how long* it would take you to get help with these, should you not be able to answer a question. (So, think about when Office Hour is held, the fact emails to your professor or CA are answered by next business day, and the fact you are unlikely to get a *same-day* appointment with the Statistics and Methods Lab ["SAM Lab"].)

You should also look now, in this syllabus, at what would be required should you become ill or experience some technical issues, for instance, during the course, and decide to request an extension for that reason. (Also see elsewhere in this syllabus, for when such extensions would *not* be granted.)

In short: Carefully read all syllabus policies now (in Module 0 or at the start of Module 1), and plan your work schedule accordingly. Ask any questions about policies (as well as about course content!) as soon as possible.

Generally, also be sure to:

- check the course website every business day
- read announcements every business day
- read and respond to course email messages by next business day
- submit each assignment before 11:59 p.m. (as always with this course, local, AZ time) on the due date specified
- communicate with your instructor and/or CA as soon as you encounter any difficulty completing work
- access [ASU Online Student Resources](#)