

# Psychology Statistics Tutorials and Assessments

## Context

---

We are creating a resource that any student in Psychology (or, more generally, Weinberg or Northwestern) could use for assistance in learning statistics or refreshing their skills for more advanced courses. Using the Canvas LMS as our delivery platform, we are creating a course open to any student with a NetID to provide tutorial videos and self-assessments on a range of statistical topics. The site will include resources that are relevant for students in courses at any level of our undergraduate curriculum, including PSYCH 201: Statistical Methods in Psychology, PSYCH 205: Research Methods in Psychology, and our advanced upper-level research courses.

For each statistical topic, we are creating a series of videos, each of which is two to ten minutes in length and will include:

1. A conceptual explanation of the test and when and why it's used.
2. A demonstration of how to manually calculate the test, including explanations of relevant concepts.
3. A demonstration of how to run the analysis in SPSS and interpret the results.

## Project

---

Many students in psychology courses struggle with learning statistics and applying them in their relevant courses. We are creating a system that will provide on-demand assistance for any student needing to review or learn a statistical concept or test. Having a centralized system with high-quality tutorials and assessments will provide a benefit to all of our students. It also has the potential to be expanded to include topics relevant to graduate students and others who may need refreshers.

## Results

---

Our project is still in development. We will be able to track the usage of both the videos and the self-assessments. We expect that students across course levels will find this a useful resource. Students who are aware it is being developed have been very enthusiastic about its future implementation.