

Brief Course Outline

Course Title: **Computers and Research in Psychology**

Course Number and Section:

PSYCHOL

3830G 550

Instructor Name(s): Dr. Ana Ruiz Pardo

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Disclaimer: Information in the brief course outline is subject to change. The syllabus posted on OWL is the official and authoritative source of information for the course.

Course Description:

Topics include: fundamentals of operating microcomputers, use of statistical packages (e.g., SPSS/PC+), interpretation of computer output from univariate and multivariate statistical analyses.

Learning Outcomes:

Determine the appropriate statistical test for various types of data in psychology

Conduct a variety of statistical tests using computer software

Write an APA-style results section reporting the outcomes of common statistical tests

Design and conduct an empirical research study

Textbooks and Course Materials:

Recommended (not required):

A Field, A. (2018). *Discovering Statistics Using IBM SPSS Statistics*, North American edition (5th ed). Sage: London.

Methods Of Evaluation:

Assignment	Due Date mm/dd/yy	Weight - %
Q01: Correlation & Linear Regression	01/26/24	5
A01: Multiple Regression	02/02/24	10
A02: t-tests	02/09/24	10
Q02: One-way ANOVA	02/16/24	5
A03: Factorial ANOVA	03/01/24	10
Q03: Repeated Measures ANOVA	03/08/24	5

Assignment	Due Date mm/dd/yy	Weight - %
A04: Mixed ANOVA	03/15/24	10
Q04: Factor Analysis	03/29/24	5
A05: Chi-Square	04/05/24	10
Final Exam	TBD	30

In solidarity with the Anishinaabe, Haudenosaunee, Lūnaapéewak, and Chonnonton peoples on whose traditional treaty and unceded territories this course is shared.

Tuesday, December 12, 2023