

PSYC 2629 - Data-Based Decision Making

Summer 2026 Syllabus, Section A01, CRN 30693,

Credit hours: 3

Instructor

Matthew Lindberg

Professional Qualifications:

Ph.D. Experimental Psychology from The Ohio University (2010)

M.S. Experimental Psychology from The Ohio University (2007)

B.S. Psychology from the University of Florida (2002)

B.A. Criminology from the University of Florida (2002)

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Communication Expectations:

I strive to respond to emails within 48 hours. If you do not receive a response within 48 hours, please send me another email.

Course Description

2629. Data-Based Decision Making. Students will learn to make decisions and draw inferences from statistical analyses, with emphasis on hypothesis-testing and inferential techniques. Prereq.: C or better in both PSYC 2617 and PSYC 2618. 3 s.h.

Course Readings

Group	Title	Author	ISBN
Required	MindTap for Essentials of Statistics for the Behavioral Sciences	Frederick J Gravetter; Larry B. Wallnau; Lori-Ann B. Forzano; James E. Witnauer	9780357585047

*First Day Access to MindTap and the eBook will be available through Blackboard. What is First Day? First Day is Barnes & Noble College's inclusive access model, where digital course materials are included as an additional course charge for a particular course or program. This model is easy and convenient for student use, provides an affordable option, and supports student success by ensuring every student is prepared for the first day of class.

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The course readings are subject to change in the event of extenuating circumstances, research developments, current events, and/or to ensure better learning.

Schedule of Topics and Assignments

Week of	Reading(s)	Proposed Topic	Due/To Prepare for Class
6/29	Module 1: Chapter 8	Introduction to Hypothesis testing	Lecture Annotation 8-1, 8-2, & 8-3 (Due Wednesday) Respondus Lockdown Browser & Monitor practice (Due Wednesday) Lecture Annotation 8-4, 8-5, & 8-6 (Due Thursday) Mastery Training Ch8 (Due Sunday) Problem Set Ch8 (Due Sunday) Chapter Review Ch8 (Due Sunday) Module 1 Exam (Due Sunday)
7/6	Module 2: Chapter 9	Introduction to the t-statistic	Lecture Annotation 9-1 & 9-2 (Due Wednesday) Lecture Annotation 9-3 & 9-4 (Due Thursday) Mastery Training Ch9 (Due Sunday) Problem Set Ch9 (Due Sunday) Chapter Review Ch9 (Due Sunday) SPSS Applied Activity Ch9 (A) (Due Sunday) SPSS Applied Activity Ch9 (B) (Due Sunday) Module 2 Exam (Due Sunday)
7/13	Module 3: Chapter 10	t-test for two independent samples	Lecture Annotation 10-1, 10-2, & 10-3 (Due Wednesday) Lecture Annotation 10-4 & 10-5 (Due Thursday) Mastery Training Ch10 (Due Sunday) Problem Set Ch10 (Due Sunday) Chapter Review Ch10 (Due Sunday) SPSS Applied Activity Ch10 (Due Sunday) Module 3 Exam (Due Sunday)
7/20	Module 4: Chapter 11	t-test for two related samples	Lecture Annotation 11-1, 11-2, & 11-3 (Due Wednesday) Lecture Annotation 11-4 & 11-5 (Due Thursday) Mastery Training Ch11 (Due Sunday) Problem Set Ch11 (Due Sunday) Chapter Review Ch11 (Due Sunday) SPSS Applied Activity Ch11 (Due Sunday) Module 4 Exam (Due Sunday)
7/27	Module 5: Chapter 12	Introduction to Analysis of Variance (ANOVA)	Lecture Annotation 12-1, 12-2, & 12-3 (Due Wednesday) Lecture Annotation 12-4, 12-5, & 12-6 (Due Thursday) Mastery Training Ch12 (Due Sunday) Problem Set Ch12 (Due Sunday) Chapter Review Ch12 (Due Sunday) SPSS Applied Activity Ch12 (Due Sunday) Module 5 Exam (Due Sunday)

8/3	Module 6: Chapter 13	Two-factor Analysis of Variance	Lecture Annotation 13-1 & 13-2 (Due Wednesday) Lecture Annotation 13-3 (Due Thursday) Mastery Training Ch13 (Due Sunday) Problem Set Ch13 (Due Sunday) Chapter Review Ch13 (Due Sunday) SPSS Applied Activity Ch13 (Due Sunday) Module 6 Exam (Due Sunday)
8/10	Module 7: Chapter 14	Correlation & Regression	Lecture Annotation 14-1, 14-2, & 14-3 (Due Wednesday) Lecture Annotation 14-4, 14-5, & 14-6 (Due Thursday) Mastery Training Ch14 (Due Friday) Problem Set Ch14 (Due Friday) Chapter Review Ch14 (Due Friday) SPSS Applied Activity Ch14 (Due Friday) Module 7 Exam (Due Friday)

The course schedule, policies, procedures, and assignments in this course are subject to change in the event of extenuating circumstances, by mutual agreement, and/or to ensure better learning.