PSYC 2629 - Data-Based Decision Making

Fall 2026 Syllabus, Section 01, CRN 43328,

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)

Associate Professor

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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.

How to Refer to me:
Dr. Lindberg

Public Instructor Information

Instructor Title: Dr. Matthew J Lindberg
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Instructor Office Location: Beeghly Hall 4107

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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 ofStatisticsfor the Behavioral Sciences	Frederick J Gravetter; LarryB.Wallnau; Lori-Ann B. Forzano;JamesE. Witnauer	9780357585047

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

Day	Date	Reading(s)	Proposed Topic	Due/To Prepare for Class
Mon	8/24	Module 1: Chapter 8	Introduction to Hypothesis testing	
Wed	8/26	Module 1: Chapter 8	Introduction to Hypothesis testing	Lecture Annotation 8-1
Fri	8/28	Module 1: Chapter 8	Introduction to Hypothesis testing	Lecture Annotation 8-2
Mon	8/31	Module 1: Chapter 8	Introduction to Hypothesis testing	Lecture Annotation 8-3 Lecture Annotation 8-4 & 8-5
Wed	9/2	Module 1: Chapter 8	Introduction to Hypothesis testing	Lecture Annotation 8-6 Ch.8 MindTap
Fri	9/4	Module 1: Chapter 8	Introduction to Hypothesis testing	Ch.8 Exam Opens
Mon	9/7	Legal Holiday - University Closed		
Wed	9/9	Module 2: Chapter 9	Introduction to the t-statistic	Lecture Annotation 9-1
Fri	9/11	Module 2: Chapter 9	Introduction to the t-statistic	Lecture Annotation 9-2 Ch.8 Exam Due
Mon	9/14	Module 2: Chapter 9	Introduction to the t-statistic	Lecture Annotation 9-3
Wed	9/16	Module 2: Chapter 9	Introduction to the t-statistic	Lecture Annotation 9-4
Fri	9/18	Module 2: Chapter 9	Introduction to the t-statistic	Ch.9 MindTap Ch.9 SPSS Applied Activity
Mon	9/21	Module 2: Chapter 9	Introduction to the t-statistic	Ch.9 Exam Opens
Wed	9/23	Module 3: Chapter 10	t-test for two independent samples	Lecture Annotation 10-1 & 10-2
Fri	9/25	Module 3: Chapter 10	t-test for two independent samples	Lecture Annotation 10-3
Mon	9/28	Module 3: Chapter 10	t-test for two independent samples	Ch.9 Exam Due Lecture Annotation 10-4
Wed	9/30	Module 3: Chapter 10	t-test for two independent samples	Lecture Annotation 10-5
Fri	10/2	Module 3: Chapter 10	t-test for two independent samples	Ch.10 MindTap Ch.10 SPSS Applied Activity
Mon	10/5	Module 3: Chapter 10	t-test for two independent samples	Ch.10 Exam Opens
Wed	10/7	Module 4: Chapter 11	t-test for two related samples	Lecture Annotation 11-1 & 11-2
Fri	10/9	Module 4: Chapter 11	t-test for two related samples	Lecture Annotation 11-3
Mon	10/12	Module 4: Chapter 11	t-test for two related samples	Ch.10 Exam Due Lecture Annotation 11-4
Wed	10/14	Module 4: Chapter 11	t-test for two related samples	Lecture Annotation 11-5 Ch.11 MindTap Ch.11 SPSS Applied Activity
Fri	10/16	Module 4: Chapter 11	t-test for two related samples	Ch.11 Exam Opens
Mon	10/19	Module 5: Chapter 12	Introduction to Analysis of Variance	Lecture Annotation 12-1 & 12-2
Wed	10/21	Module 5: Chapter 12	Introduction to Analysis of Variance	Lecture Annotation 12-3
Fri	10/23	Module 5: Chapter 12	Introduction to Analysis of Variance	Ch.11 Exam Due
Mon	10/26	Module 5: Chapter 12	Introduction to Analysis of Variance	Lecture Annotation 12-4
Wed	10/28	Module 5: Chapter 12	Introduction to Analysis of Variance	Lecture Annotation 12-5
Fri	10/30	Module 5: Chapter 12	Introduction to Analysis of Variance	Ch.12 MindTap Ch.12 SPSS Applied Activity
Mon	11/2	Module 5: Chapter 12	Introduction to Analysis of Variance	Ch.12 Exam Opens
Wed	11/4	Module 6: Chapter 13	Two-factor Analysis of Variance	Lecture Annotation 13-1
Fri	11/6	Module 6: Chapter 13	Two-factor Analysis of Variance	Lecture Annotation 13-2
Mon	11/9	Module 6: Chapter 13	Two-factor Analysis of Variance	Ch.12 Exam Due
Wed	11/11	Legal Holiday - University Closed		
Fri	11/13	Module 6: Chapter 13	Two-factor Analysis of Variance	Lecture Annotation 13-3
Mon	11/16	Module 6: Chapter 13	Two-factor Analysis of Variance	Ch.13 MindTap Ch.13 SPSS Applied Activity

Wed	11/18	Module 6: Chapter 13	Two-factor Analysis of Variance	Ch.13 Exam Opens
Fri	11/20	Module 7: Chapter 14	Correlation & Regression	Lecture Annotation 14-1 & 14-2
Mon	11/23	Module 7: Chapter 14	Correlation & Regression	Lecture Annotation 14-3 & 14-4
Wed	11/25	Module 7: Chapter 14	Correlation & Regression	Lecture Annotation 14-5
Fri	11/27	Legal Holiday - University Closed		
Mon	11/30	Module 7: Chapter 14	Correlation & Regression	Lecture Annotation 14-6
Wed	12/2	Module 7: Chapter 14	Correlation & Regression	Ch.14 MindTap Ch.14 SPSS Applied Activity
Fri	12/4	Module 7: Chapter 14	Correlation & Regression	Ch.14 Exam Opens
Mon	12/7	Finals Week		
Wed	12/9	Finals Week		
Fri	12/11	Finals Week		Ch.14 Exam Due

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.