

PSYC 2618 - Introduction to Statistics

Fall 2026 Syllabus, Section 02, CRN 40390,

Credit hours: 3

Instructor

Swati Sethi

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Public Instructor Information

Instructor Title: Senior Lecturer

Instructor Professional Qualifications:

Master's, Sociology, Cleveland State University, 2012

Bachelor's, Sociology, Youngstown State University, 2010

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Course Description

2618. Introduction to Statistics. Further exploration of psychological research methods and basic statistical analysis, with emphasis on descriptive techniques and data visualization. 3 s.h.

Course Readings

Group	Title	Author	ISBN
Required	Essentials of Statistics for the Behavioral Sciences	Frederick J Gravetter	10th Edition

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

Tentative Course Schedule

Week of	Reading(s)	Proposed Topic	Due/To Prepare for Class
8/24	Textbook & PowerPoint: Chapter 1	Syllabus Review • Definition of Statistics (LO 1-3) • Observation, Measurement, and Variables (LO 1-3) • Three Research Methods (LO 1-3)	Practice Problems Quiz Black Board Assignment
8/31	Textbook & PowerPoint: Chapter 1	• Definition of Statistics (LO 1-3) • Observation, Measurement, and Variables (LO 1-3) • Three Research Methods (LO 1-3)	Practice Problems Quiz Black Board Assignment
9/7	TextBook & PowerPoint: Chapter 2	• Frequency Distribution and Graphs (LO 1-3)	Practice Problems Quiz BlackBoard Assignment Test I
9/14	TextBook & PowerPoint: Chapter 2	• Frequency Distribution and Graphs (LO 1-3)	Practice Problems Quiz BlackBoard Assignment

9/21	TextBook & PowerPoint: Chapter 3	• Understanding Mean, Median, and Mode, and the Shape of Distribution (LO 1-3)	Practice Problems Quiz Blackboard Assignment
9/28	TextBook & PowerPoint: Chapter 3	• Understanding Mean, Median, and Mode, and the Shape of Distribution (LO 1-3)	Practice Problems Quiz BlackBoard Assignment
10/5	TextBook & PowerPoint: Chapter 4	• Understanding Range, Variance, and Standard Deviation, and their calculation (LO 1-3)	Practice Problems Quiz BlackBoard Assignment
10/12	TextBook & PowerPoint: Chapter 4	• Understanding Range, Variance, and Standard Deviation, and their calculation (LO 1-3)	Practice Problems Quiz BlackBoard Assignment Test II
10/19	TextBook & PowerPoint: Chapter 4	• Understanding Range, Variance, and Standard Deviation, and their calculation (LO 1-3)	Practice Problems Quiz BlackBoard Assignment Exam I (Tentative Date): October 22nd
10/26	TextBook & PowerPoint: Chapter 5	• Understanding Z scores, Calculation, and their Location in a Distribution (LO 1-3)	Practice Problems Quiz BlackBoard Assignment
11/2	TextBook & PowerPoint: Chapter 5	• Understanding Z scores, Calculation, and their Location in a Distribution (LO 1-3)	Practice Problems Quiz BlackBoard Assignment Text III
11/9	TextBook & PowerPoint: Chapter 6	• Introduction to Probability (LO 1-3) • Probability and Normal Distribution (LO 1-3) • Percentile and Inferring Percentile Rank from a Normal Distribution (LO 1-3)	Practice Worksheet Quiz BlackBoard Assignment
11/16	TextBook & PowerPoint: Chapter 6	• Introduction to Probability (LO 1-3) • Probability and Normal Distribution (LO 1-3) • Percentile and Inferring Percentile Rank from a Normal Distribution (LO 1-3)	PracticeWorksheet Quiz BlackBoard Assignment Test IV
11/23	TextBook & PowerPoint: Chapter 7	• Understand Distribution and Characteristics of the Distribution of Sample Mean (LO 1-3)	ThanksGiving Break Practice Problems Quiz Blackboard Assignment
11/30	TextBook & PowerPoint: Chapter 7	• Understand Distribution and Characteristics of the Distribution of Sample Mean (LO 1-3)	Practice Problems Quiz BlackBoard Assignment
12/7			Final Exam is on December 10th (Thursday): 10:30-12:30

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.