

SOWK 304 Social Work Statistics

Syllabus

(3 credits)

COURSE DESCRIPTION

This course is an introduction to statistics. It presents statistics as a tool in research used to examine and investigate variable relationships. A variety of techniques and topics will be presented including descriptive statistics, measures of central tendency and variability and probability, and hypotheses testing. It will focus on the practical application of statistics in the research of social science issues.

REQUIRED TEXTS & RESOURCES

- Frankfort-Nachmias, C., Leon-Guererro, A., Davies, G. (2020). *Social Statistics for a Diverse Society, 9e*, SAGE Publishing
- Resources included in the eText edition and the Sage Edge site for Social Statistics for a Diverse Society, 9e.

NOTE: The Point University Bookstore may offer this textbook (s) in other formats. Information can found at www.point.edu/bookstore.

COURSE SCHEDULE

Each course begins on a Wednesday with a Getting Started module before moving into the week 1-7 content. The introduce yourself forum is required during the Getting Started module in order to be counted present during this half-week of instruction. The introduce yourself forum is open from the start of the course to the first Sunday. All posts are due by Sunday at 11:59 p.m. Participation is required to be marked present for this time period. Keep in mind that in future weeks, forum due dates may be different.

Unless stated otherwise, graded assignments are due on the last day of the course week (Sunday). <http://point.edu/course-schedules/>

	Learning Activities	Due
Getting Started		
	Login to Course	Due Day 5
	Introduce Yourself	Due Day 5
Week 1	The What and Why of Statistics/Organization and Graphic Presentation of Data	
	Review: PowerPoints Chapters 1, 2	
	Read: Chapters 1, 2	
	Discussion: Why Statistics?	Due Day 5
	Define and Describe	Due Day 7

	Application Activity: The Research Process	Due Day 7
	Group Forum: Brainstorming	Due Day 7
Week 2	Measures of Central Tendency and Variance	
	Review: PowerPoints Chapters 3, 4	
	Read: Chapters 3, 4	
	Discussion: Not So Average	Due Day 5
	Define and Describe	Due Day 7
	Application Activity: Variance and Standard Deviation	Due Day 7
	Group Forum: Topic	Due Day 7
Week 3	Normal Distribution/Sampling and Sampling Distribution	
	Review: PowerPoints Chapters 5, 6	
	Read: Chapters 5, 6	
	Discussion: Some Not All	Due Day 5
	Define and Describe	Due Day 7
	Application Activity: Normal Distribution	Due Day 7
	Group Forum: Annotated Bibliography	Due Day 7
	Midterm Quiz: Chapters 1-6	Due Day 7
Week 4	Estimation/Testing Hypotheses	
	Review: PowerPoints Chapters 7, 8	
	Read: Chapters 7, 8	
	Discussion: The Type of Error Matters	Due Day 5
	Define and Describe	Due Day 7
	Application Activity	Due Day 7
	Group Forum: Outline	Due Day 7
Week 5	Bivariate Tables/Chi-Tests and Measures of Association	
	Review: PowerPoints Chapters 9, 10	
	Read: Chapters 9,10	
	Discussion: Are They Related?	Due Day 5
	Define and Describe	Due Day 7
	Application Activity	Due Day 7
	Group Forum: Working Draft	Due Day 7
Week 6	Analysis of Variance	
	Review PowerPoint Chapter 11	
	Read: Chapter 11	

	Discussion: ANOVA	Due Day 5
	Define and Describe	Due Day 7
	Application Activity	Due Day 7
	Group Forum: Changes and Updates	Due Day 7
Week 7	Regression and Correlation	
	Review PowerPoint Chapter 12	
	Read: Chapter 12	
	Discussion: ANOVA and Regression	Due Day 5
	Define and Describe	Due Day 7
	Application Activity	Due Day 7
	Research Presentation Project	Due Day 7
	Final Quiz: Chapters 6-12	Due Day 7

GRADING POLICIES

Course Evaluation Plan

An assessment instrument (checklist, rubric, quiz, etc.) will accompany each major graded assignment. See the instructions for specific assignment criteria and accompanying grading instruments.

Points Distribution

Graded assignments will be distributed as follows:

Graded Assignments		Points Possible
Introduce Yourself Forum	5pts	5
Discussion Forums	25pts x 7	175
Define and Describe	25pts x 7	175
Application Activity	50pts x 7	350
Quizzes (Midterm and Final)	50pts x 2	100
Research Preparation (Group Forums)	10pts x 5	45
Final Project	150pts x 1	150
Total Points:		1000

Final Grades

The following scale will be used when calculating final grades:

A	90-100%	D	60-69%
B	80-89%	F	0-59%
C	70-79%		

Final grades will be posted according to the Academic Calendar:

<http://point.edu/academic-calendar/>

COURSE LEARNING GOALS & OBJECTIVES

	Program Objective(s)
Goal 1: The student will be introduced to terminology and concepts used in statistical analyses	
Objective 1.1: Students will demonstrate understanding of common terms used in statistics (measurement, variables, etc.) [enter here]	2.6
Objective 1.2: Students will demonstrate understanding of concepts used in statistics (measures of central tendency, normal distributions, etc.)	2.6
Goal 2: The student will be introduced to various statistical testing procedures used in social work research	
Objective 2.1: Students will demonstrate understanding of <i>t</i> tests and ANOVA	2.6
Objective 2.2: Students will demonstrate understanding of Chi-Square	2.6
Objective 2.3: Students will demonstrate understanding of correlation	2.6
Objective 2.4: Students will demonstrate understanding of regression	2.6
Goal 3: The student will be introduced to methods for evaluating effectiveness of empirical research	
Objective 3.1: Students will demonstrate understanding of meta-analyses	2.6
Objective 3.2: Students will demonstrate understanding of hypotheses evaluation	2.6
Objective 3.3: Students will demonstrate understanding of single-system designs	2.6

DISABILITY SERVICES

Point University is committed to providing qualified students with disabilities an equal opportunity to access a Point education through the provision of reasonable and appropriate accommodations and support services. Accordingly, Point complies with Title IX (<https://point.edu/title-ix>) of the Educational Amendments of 1972 and the subsequent reauthorization of that act, Section 504 of the Rehabilitation Act of 1973, and the Americans with Disabilities Act of 1990 and subsequent amendments to that act. For more information about Disability Support Services, see the "Consumer Information" section of the website

(<http://point.edu/disclosures>) and the “Student Services” section of this catalog, or contact the Director of Disability Services and College Section 504 Coordinator, at disability.services@point.edu.

COURSE EXPECTATIONS

Attendance

A student is expected to actively participate in each week of the class in which he or she is enrolled. Active participation each academic week includes submitting classwork in one or more of the following activities within the course during the week they are due: discussion forums, assignments such as (but not limited to) projects, papers, presentations, case studies, quizzes, or exams. Students may be absent up to 25% of the class. After absences exceed 25% of the session or term’s total – in either consecutive or cumulative days – the student will be withdrawn from the class roster and assigned a grade on the basis of work completed at the time of withdrawal unless, because of exceptional circumstances, prior arrangements have been made with the professor and the Chief Academic Officer.

Students representing the university, such as student-athletes, remain responsible for submitting work online within the week it is due to be counted present. No student will be disadvantaged while representing the university. However, the responsibility is on the student to notify faculty no later than one week before missing class for any reason, to ensure time for content to be made available to them and for make-up work to be considered and arranged. It is expected that students will limit their absences outside of these required absences, as they will be dropped if they overcut the allowed number of absences.

The full attendance policy is found in the catalog (<https://point.edu/catalogs/>).

Etiquette & Netiquette

Students are expected to be respectful and well-mannered towards the instructor and their peers, whether in the physical classroom or the online course site. For guidance on meeting this expectation, particularly in the online environment, please see the materials provided during student orientation or reach out to advising.center@point.edu.

Policies

For academic policies governing attendance, late assignments, and student support, please refer to the Academic Catalog directly (<https://point.edu/catalogs/>).

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