CRJS 3710 - Social Statistics

Summer 2026 Syllabus, Section 01, CRN 30252,

Credit hours: 3

Instructor

Richard Rogers

Professional Qualifications:
Ph. D., Sociology, Princeton University
B.A., Sociology, University of Illinois at Chicago

Professor

Email: rlrogers02@ysu.edu

Office: Cushwa 2145 (suite 2141)

Office Phone: 330-941-3543

Additional Contact Methods:
Available by Webex during student support hours: https://ysu.webex.com/meet/rlrogers02

Preferred Contact Method: Email

Communication Expectations:
Responses to emails normally come with 48 hours. Email is checked at least once a day unless otherwise notified. Video announcements for the week are posted every Sunday or Monday.

Course Description

3710. Social Statistics. Coverage includes purposes of statistics, its importance and role in the field, descriptive, comparison, relational, and explanatory stats, as well as their set-up, creation, interpretation, application, and critique. Coverage will include stats in both normal and non-normal situations. 3 hours of lecture per week. Prereq.: CRJS 1500. Crosslisted with: SOC 3701, ANTH 3701. 3 s.h.

Course Readings

Group	Title	Author	ISBN
Required	Statistical Analysis in Criminal Justice and Criminology	Vito, G. F., Blankenship, M. B., Kunselman, J. C	ISBN 978-1-4786-3784-4

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
5/11	Readings: Vito et al., chapters 1 and 2 Video: Why smart statistics are the key to fighting crime Video: Levels of measurement	Intro to Stats	5/13: Discussion: Intro (1st post) 5/13: Quiz: Intro to Statistics 5/17: Terminology & Levels of Measurement 5/17: Exercise: Entering Data (2 parts)

5/18	Vito et al., chap. 3-5, 7 Video: Descriptive statistics for numeric variables Web: How to make a boxplot in Excel Web: How to make a histogram in Excel Video: The normal distribution Video: Confidence intervals	Descriptive Stats for Interval-Ratio Variables	5/20: Quiz and Exercise: Descriptive Statistics for Numeric Variables 5/20: Graphs for Interval-Ratio Variables 5/24: Normal Curve and Statistical Significance 5/24: Ohio Z-score
5/25	Video: How to. . . create a basic Pivot Tab le in Excel Video: Intro to Pivot Tables, charts & dashboards Video: Frequency tables in Excel Reading: Vito et al., chap 3	Descriptive Stats for Categorical Variables	5/27: Exercise: Frequency Tables for Categorical Data 5/27: Exercise: Frequency Tables for Categorical Data 5/31: Exercise: Graphs for Categorical Variables 5/31: Group Project: Contract
6/1	Vito et al., chaps 3, 6, 10 Web: Scatter plot in Excel Video: How to calculate a correlation in Excel Video: How to construct a contingency table using a Pivot Table in Excel	Bivariate Relationships I	6/3: Exercise: Scatterplots and Timeline Groups 6/3: Exercise: Scatterplots and Pearson's r 6/7: Quiz: Contingency Tables 6/7: Exercise: Contingency Tables
6/8	Vito et al, chap. 8, 9 Video: Independent sample t-test in Excel Web: Effect size calculator Video: Excel – one-way ANOVA Analysis Toolpak Video: An introduction to the general linear model	Bivariate Relationships II	6/10: Two-Sample T-Tests 6/14: One-Way (Single Factor) ANOVA 6/10: Two-Sample T-Tests 6/14: One-Way (Single Factor) ANOVA 6/14: Group Project: First Schedule Contact Point
6/15	Vito et al., chap. 11 Video: Regression analysis on Excel Video: ANCOVA models in Excel Video: SoftTech tutorials	OLS Regression	6/17: Exercise: OLS Regression 6/21: Exercise: Multiple Regression and ANCOVA Models 6/21: Group Project: Second Contact Point
6/22	Video: Binary logistic regression in Microsoft Excel using XLMiner	Logistic Regression and Group Project	6/24: Binary Logistic Regression 6/26: Reflection 6/26: Group Project: Final Submission

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.