

EDLD 722: Survey Methods for Educational Leaders

Western Kentucky University

Fall 2022

General information

Instructor: Kimberlee Everson, Ph.D.3082

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Catalog Description

Examination of psychometric properties of measurement instruments used in leadership research; data collection and analysis methods used in survey research; issues related to validity, reliability, and fairness; approaches to evaluate the desired properties of research tools; and quantitative analysis.

Course Objectives

Upon completion of this course, students will be able to:

1. Prepare measurement instruments and surveys consistent with psychometric principles for conducting research.
2. Evaluate the psychometric properties of measurement instruments and surveys based on relevant technical information.
3. Prepare quantitative data for analysis.
4. Compute and interpret univariate and multivariate parametric statistics.

Prerequisite Courses

EDFN 501 (Educational Statistics) or equivalent or instructor permission.

Course Overview and Philosophy

This course will focus on quantitative methodologies (reliability/validity, simple and multiple linear regression, exploratory factor analysis, and confirmatory factor analysis) that may be useful to you in conducting research either as part of a dissertation study or in your role as an educational or organizational leader. The intent is that, by the end of the course, you will know enough about each of these methodologies that you will not only know when each is appropriately used but also be capable of learning more about the topic, with the help of appropriate resources or methodological advisors, in order to conduct your own research. Hopefully, this course will open your eyes as to what can be done as well as to what you might most feel capable of undertaking.

Required Texts

No text is required for this course.

Required Software

You will need to install a version of Stata software on your computer. Please install before the first class. Stata is available at: <https://www.stata.com/order/new/edu/profplus/student-pricing/>. You only need Stata/BE. You can choose between the 6-month, annual, or perpetual license.

Blackboard

All homework assignments and class materials will be available in Blackboard. There are eight units of study. The units of study will include readings, video recordings, assignments, and a quiz.

Grading

Assignments (3 per unit, 10 pts each)	240 points
Quizzes (10 pts each)	80 points
Total	320 points

Standard grading scale: 100%-90% - A; 89%-80% - B; 79%-70% - C; 69%-60% - D; 59%-0% - F

Description of Major AssignmentsAssignments

Each unit will include 3 assignments based on the videos and readings. These assignments will include written responses and applied work in Stata. Each assignment is worth 10 points.

Quizzes

Each quiz will be based on the videos and readings and will be worth 10 points.

Late Assignments - Late assignments will be deducted 10% in score.

Study Groups – Peers can often be an excellent resource when reviewing concepts, especially with complex material. Students are invited to work together with others, with the exception of quizzes and the final exam, provided each student completes each analysis and write-up on their own computer.

Plagiarism (Important)

It is expected that each student will do his/her own work. Academic dishonesty, including any form of plagiarism or cheating will not be tolerated. Be advised that student work may be checked using plagiarism detecting software. Our department (EALR) requires the following:

Before receiving a grade in this course students will be REQUIRED to verify in writing (send me an email certifying compliance) that they have completed the Harvard Graduate School of Education online tutorial: Principles of Paraphrasing: How to Avoid Plagiarism in Three Easy Modules: <http://isites.harvard.edu/icb/icb.do?keyword=paraphrasing>
Or, Indiana University's Plagiarism and Academic Integrity tutorial: <https://www.indiana.edu/~istd/>

Student Policies:

The following sections are taken from the 15th Edition of WKU's Faculty Handbook:

Plagiarism:

To represent ideas or interpretations taken from another source as one's own is plagiarism.

Plagiarism is a serious offense. The academic work of a student must be his or her own. One must give the author(s) credit for any source material used. To lift content directly from a source without giving credit is a flagrant act. To present a borrowed passage after having changed a few words, even if the source is referenced, is also plagiarism.

Cheating:

No student shall receive or give assistance not authorized by the instructor in taking an examination or in the preparation of an essay, laboratory report, problem assignment, or other project, which is submitted for purposes of grade determination.

Disposition of Offenses:

Students who commit any act of academic dishonesty may receive from the instructor a failing grade in that portion of the course work in which the act is detected or a failing grade in the course without possibility of withdrawal. The faculty member may also present the case to the University Disciplinary Committee through the Office of the Dean of Student Life for disciplinary sanctions. A student who believes a faculty member has dealt unfairly with him/her in a course involving academic dishonesty may seek relief through the Student Complaint Procedure.

Other Types of Academic Dishonesty:

Other types of academic offenses, such as the theft or sale of tests, should be reported to the Office of the Dean of Student Life for disciplinary action.

Accommodation of Disabilities:

Students with disabilities who require accommodations (academic adjustments and/or auxiliary aids or services) for this course must contact the Office for Student Disability Services, Room 445, Potter Hall. The OFSDS telephone number is (270) 745-5004 V/TDD. Please DO NOT request accommodations directly from the professor or instructor without a letter of accommodation from the Office for Student Disability Services.

Affirmative Action:

Western Kentucky University does not discriminate on the basis of race, sex, religion, color, national or ethnic origin, age, disability, sexual orientation or military service. Inquiries or comments regarding these issues should be directed to the Director of Equal Opportunity/504/ADA Compliance, Western Kentucky University, 1906 College Heights Blvd., Bowling Green, KY 42101, Telephone (270) 745-5121, TTY (270) 745-3030.

Extra Help:

The instructor will be available as need is indicated. Students are encouraged to discuss any questions or problems with the instructor.

Course Adjustments:

The instructor reserves the right to modify the course requirements, schedule, and syllabus. The syllabus and schedule for this course are subject to change in the event of extenuating circumstances. No change will occur, however, *unless* proper and prior notice is given to students.

Date Prepared and by Whom:

Course syllabus prepared April 5, 2022 by Kimberlee Everson

Fall 2022 Course Timetable

Topic	Due Date
Unit 1: Introduction	Aug 29, 11:59 pm
Unit 2: Latent Variables	Sep 12, 11:59 pm
Unit 3: Reliability and Validity	Sep 26, 11:59 pm
Unit 4: EFA	Oct 10, 11:59 pm
Unit 5: CFA	Oct 24, 11:59 pm
Unit 6: Simple Linear Regression	Nov 7, 11:59 pm
Unit 7: Multiple Linear Regression	Nov 21, 11:59 pm
Unit 8: Wrap Up and Review	Dec 5, 11:59 pm