

Course Title	Research Methods 2: Data Analysis	Instructor(s)	Dr. Futoshi Kobayashi
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Class Style	Lecture & Active Learning	Office Hours	Tuesday & Thursday 15:45 - 17:15
Track	Liberal Arts	Mode of Instruction	Solo
Credits	2	Allocated Year	3rd or 4th year, Fall Semester
Active Learning	2-(3) Presentations 2-(5) Surveys 4-(9) Group Work on Questions	Compulsory or Elective	Elective
Course Overview	This course will expand on students' skills acquired in Research Methods 1. Emphasis will be on re-search designs used in laboratory and in field settings, and on data analysis. Students will be expected to conduct research projects related to their own disciplinary interests, such as psychology, sociology, anthropology, political science, or economics.		
Course Objectives	After successful completion of the course, students will be able to collect and analyze data for survey research, interpret results, and present them to others as beginner researchers.		
Prerequisite	None		
Course Schedule	No	Contents	Homework
	1	Introduction & Chapter 11: Describing Single Variables (1)	Answer Chapter 11 Text Questions
	2	Chapter 11: Describing Single Variables (2)	Answer Chapter 11 Exercise 2
	3	Chapter 11: Describing Single Variables (3) & Chapter 12: Describing Statistical Relationships (1)	Answer Chapter 12 Exercise 1
	4	Chapter 12: Describing Statistical Relationships (2) & Excel Activity (1)	Do Excel Activity
	5	Excel Activity (2) & Chapter 12: Describing Statistical Relationships (3)	Study Ch.11 & 12 Test Guide
	6	Ch.11 & 12 Test & Chapter 13: Understanding Null Hypothesis Testing (1)	Read Chapter 13 Text
	7	Chapter 13: Understanding Null Hypothesis Testing (2)	Read Chapter 13 Text
	8	Chapter 13: Understanding Null Hypothesis Testing (3) & Chapter 14: Some Basic Null Hypothesis Tests (1)	Read Chapter 14 Text
	9	Chapter 14: Some Basic Null Hypothesis Tests (2)	Answer Chapter 14 Exercise 4
	10	Chapter 14: Some Basic Null Hypothesis Tests (3) & Chapter 15: Additional Considerations (1)	Study Ch.13 & 14 Test Guide
	11	Ch.13 & 14 Test & Chapter 15: Additional Considerations (2)	Answer Chapter 15 Exercise 2
	12	Survey Research (1)	Make Research Question & Survey Questions
	13	Survey Research (2)	Answer Informed Consent & Survey Questions
	14	Survey Research (3)	Study Ch.15 Test Guide
	15	Ch.15 Test & Survey Research (4)	Preparation for Your Survey Research Presentation
	Final Exam (Survey Research Presentation)		

Grading	<p>Grade</p> <p>Ch. 11&12 Test: 30%</p> <p>Ch. 13&14 Test: 30%</p> <p>Ch. 15 Test: 15%</p> <p>Final Exam (Survey Research Presentation): 25%</p> <p>The final grade will be determined as below.</p> <p>A: 90-100 points</p> <p>B: 80-89 points</p> <p>C: 70-79 points</p> <p>D: 60-69 points</p> <p>F: Less than 60 points</p> <p><u>Plagiarism</u></p> <p>Students must submit their own work and not copy from other sources, unless they credit their sources with appropriate referencing. Students caught copying information from other sources and pretending that it is their own work will automatically result in a grade of 'F' or withdrawal from the course.</p>
Textbooks	Instead of using a standard textbook, handouts will be given in class.
References	None
NOTES	<p>You are expected to be punctual and to attend all lessons. A delay or early departure will be counted as a one-third day absence. A "delay" means an arrival to the class after the instructor calls rolls. However, any absence, delay, or early departure can be excused if an official document (e.g., doctor's notes) is submitted to your instructor <u>within 7 days</u> of such an occurrence. When you miss a lesson, it is your responsibility to see your instructor afterwards (and perhaps other students who attended the lesson), to find out how to catch up with the work you missed. If you expect to be absent from a forthcoming lesson, you should email your instructor to explain your absence at least one day in advance. The schedule, policies, and procedures in this course are subject to change due to the class progress, weather conditions (e.g., typhoons), etc., and at the discretion of the instructor.</p> <p>A maximum of three (3.0) absences is allowed. More than three absences will automatically result in a grade of F (Fail).</p>