

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	3	Allocated Year	3rd or 4th year, Fall Semester
Active Learning	2-(3) Presentations 2-(5) Surveys and Interviews 4-(9) Group Work on Questions	Compulsory or Elective	Elective
Overview	This course will expand on students' skills acquired in Research Methods 1. Emphasis will be on research 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.		
Objectives	After successful completion of the course, students will be able to collect, enter, and analyze data, to interpret findings, and to present results to others regarding four different research projects: survey research, archival research, observational research, and qualitative research (i.e., interview-based case study) as beginner researchers.		
Prerequisite	None		
Course Schedule	No	Contents	Homework
	1	Introduction & Chapter 11: Describing Single Variables (1)	Chapter 11 Text Questions
	2	Chapter 11: Describing Single Variables (2)	Chapter 11 Exercise 2 (or 3)
	3	Chapter 11: Describing Single Variables (3) & Chapter 12: Describing Statistical Relationships (1)	Chapter 12 Exercise 1
	4	Chapter 12: Describing Statistical Relationships (2)	Excel Activity
	5	Chapter 12: Describing Statistical Relationships (3)	Chapter 12 Exercise 3
	6	Chapter 13: Understanding Null Hypothesis Testing (1)	Chapter 13 Text
	7	Chapter 13: Understanding Null Hypothesis Testing (2)	Chapters 11 & 12 Test Guide (1)
	8	Chapter 13: Understanding Null Hypothesis Testing (3) & Chapter 14: Some Basic Null Hypothesis Tests (1)	Chapters 11 & 12 Test Guide (2)
	9	Chapter 14: Some Basic Null Hypothesis Tests (2) & Chapters 11 & 12 Test	Chapter 14 Exercise 4
	10	Chapter 14: Some Basic Null Hypothesis Tests (3) & Chapter 15: Additional Considerations (1)	Chapter 15 Text Questions
	11	Chapter 15: Additional Considerations (2) & Chapter 6: Survey Research (1)	Chapter 6 Text Questions
	12	Chapter 6: Survey Research (2)	Make your research question & 2 survey questions.
	13	Chapter 6: Survey Research (3)	Answer both informed consent & survey questions from your classmates.
	14	Chapter 6: Survey Research (4)	Finish your preparation for survey research presentation.
	15	Chapter 6: Survey Research (5) & Archival Research (1)	Chapters 13 & 14 Test Guide (1)
	16	Archival Research (2)	Chapters 13 & 14 Test Guide (2)
	17	Archival Research (3) & Chapters 13 & 14 Test	Announcement: "Next class, we will meet at the library."
	18	Archival Research (4)	Announcement: "Next class, we will meet at the library."
	19	Archival Research (5)	Finish your preparation for archival research presentation.
	20	Archival Research (6)	Chapter 15 Test Guide (1)
	21	Observational Research (1)	Chapter 15 Test Guide (2)
	22	Observational Research (2)	Finish your preparation for observational research presentation.
23	Observational Research (3)	Review "Open-Ended vs.	

		Close-Ended Questions”
	24	Qualitative Research (1) Review today’s videos.
	25	Qualitative Research (2) Review today’s videos.
	26	Qualitative Research (3) Review today’s videos.
	27	Qualitative Research (4) Memorize your interview questions.
	28	Qualitative Research (5) Finish making your transcript.
	29	Qualitative Research (6) Finish your coding and making your memo.
	30	Qualitative Research (7) Prepare for the final examination.
		Final Exam
Grading	<p>47% Chapter Tests (3 times) 30% Individual Presentations (10% for each of research presentation X 3 times) 23% Final Research Project (1% for Original Questions, 2% for Memos, 10% for Transcript with Codes, & 10% for Written Report)</p> <p>The final grade will be determined as below. A: 90-100 points B: 80-89 points C: 70-79 points D: 60-69 points F: Less than 60 points</p> <p><u>Plagiarism</u> Plagiarism is not acceptable at MIC. 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 half (0.5) 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 five and a half (5.5) absences is allowed. The sixth absence will automatically result in a grade of F (Fail).</p>	