

 シラバス参照

<<Last Updated:2025/02/20>>

Course Schedule Information

Course Code	Z26057
Semester	Spring and Summer Term
Day and Period	Fri2
Course Name (Japanese)	Statistics for Social Research
Course Name	Statistics for Social Research
Capacity	0
Room	School of Human Sciences/Presentation room
Course Numbering Code	01HUSC3M200
Type of Class	Lecture Subject
Credits	2.0
Student Year	2,3,4
Instructor	POZSGAI ALVAREZ Joseph
Course of Media Class	Applicable (Undergraduate students can include up to 60 credits in media class course as requirements for graduation.)

※About Course of Media Class

"Course of Media Class" are classes in which more than half of the classes are held in places other than classrooms by making advanced use of various media.

Undergraduate students can include up to 60 credits in media class course as requirements for graduation.

Even if this is not the case, we may hold classes using the media.

Basic Syllabus Information

Eligibility	
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Detailed Syllabus Information

Course Subtitle	Statistics for Social Research	
Language of the Course	English	
Learning Methods	Listening and watching face-to-face/online class: Listening and watching a lecture, video, or demonstration, face-to-face or via online (e.g., attending a face-to-face lecture, watching an on-demand video) Reading: Reading books and academic papers (e.g., summarizing an academic paper, reading information on a website) Research: Collecting information from books and academic papers; gathering and analyzing data by fieldwork (e.g., review of previous research, fieldwork) Presentation: Writing papers, making presentations, and creating works (e.g., report writing, oral/poster presentation, creation of works, portfolio development)	
Course Objectives	This course provides an understanding of basic statistical concepts and enables students to utilize basic methods and skills to analyze and interpret quantitative data. Students are introduced to the basic concepts involved in correlational and inferential approaches to statistical analysis. The course will provide students with practical skills in using spreadsheet software (Excel) and statistical software (Jamovi).	
Learning Goals	1	(1) Knowledge: After taking this course, students will be able to assess the quality of statistical methods and results found in the academic literature. (2) Skills: After taking this course, students will be able to process and analyze data using spreadsheet software (Excel) and statistical software (jamovi), and interpret the results.
Requirements, Prerequisites	None	
Class Plan	1st	Period: Day: Title:Introduction: what is Statistics? Independent Study Outside of Class :
	2nd	Period: Day: Title:Frequency distributions Independent Study Outside of Class : Reading: Larson & Farber, Ch. 2
	3rd	Period: Day: Title:Measures of central tendency and the standard deviation Independent Study Outside of Class : Reading: Larson & Farber, Ch. 2
	4th	Period: Day: Title:Z-scores and probability Independent Study Outside of Class : Reading: Larson & Farber, Chs. 3, 4.1
	5th	Period: Day: Title:Probability and normal distributions

		Independent Study Outside of Class : Reading: Larson & Farber, Ch. 5, 6.1 & 6.2
	6th	Period: Day: Title:The central limit theorem and confidence interval
		Independent Study Outside of Class :
	7th	Period: Day: Title:Hypothesis testing with one sample and statistical significance
		Independent Study Outside of Class : Reading: Larson & Farber, Ch. 7.1-7.3
	8th	Period: Day: Title:Hypothesis testing with one and three+ samples
		Independent Study Outside of Class : Reading: Larson & Farber, Ch. 10.1 & 10.2
	9th	Period: Day: Title:Mid-term preparation
		Independent Study Outside of Class :
	10th	Period: Day: Title:Mid-term review I
		Independent Study Outside of Class :
	11th	Period: Day: Title:Mid-term review II
		Independent Study Outside of Class :
	12th	Period: Day: Title:Describing the relationship between two variables: correlation
		Independent Study Outside of Class : Reading: Larson & Farber, Ch. 9.1
	13th	Period: Day: Title:Hypothesis testing with three+ samples: Analysis of variance (ANOVA)
		Independent Study Outside of Class : Reading: Larson & Farber, Ch. 10.4
	14th	Period: Day: Title:Predicting the response of dependent variables: Linear and logistic regression
		Independent Study Outside of Class : Reading: Larson & Farber, Ch. 9.2-9.4
	15th	Period: Day: Title:Visualizing social relations: Network Analysis
		Independent Study Outside of Class :
	16th	Period: Day: Title:Final: independent data analysis project
		Independent Study Outside of Class :
	17th	Period: Day: Title:Introduction: what is Statistics?
		Independent Study Outside of Class :
	18th	Period: Day: Title:Frequency distributions
		Independent Study Outside of Class : Reading: Larson & Farber, Ch. 2
	19th	Period: Day: Title:Measures of central tendency and the standard deviation
		Independent Study Outside of Class : Reading: Larson & Farber, Ch. 2
	20th	Period: Day: Title:Z-scores and probability
		Independent Study Outside of Class : Reading: Larson & Farber, Chs. 3, 4.1
	21st	Period: Day: Title:Probability and normal distributions
		Independent Study Outside of Class : Reading: Larson & Farber, Ch. 5, 6.1 & 6.2
	22nd	Period: Day: Title:The central limit theorem and confidence interval
		Independent Study Outside of Class :
	23rd	Period: Day: Title:Hypothesis testing with one sample and statistical significance
		Independent Study Outside of Class : Reading: Larson & Farber, Ch. 7.1-7.3
	24th	Period: Day: Title:Hypothesis testing with one and three+ samples
		Independent Study Outside of Class : Reading: Larson & Farber, Ch. 10.1 & 10.2

	25th	Period: Day: Title:Mid-term preparation				
		Independent Study Outside of Class :				
	26th	Period: Day: Title:Mid-term review I				
		Independent Study Outside of Class :				
	27th	Period: Day: Title:Mid-term review II				
		Independent Study Outside of Class :				
	28th	Period: Day: Title:Describing the relationship between two variables: correlation				
		Independent Study Outside of Class : Reading: Larson & Farber, Ch. 9.1				
	29th	Period: Day: Title:Hypothesis testing with three+ samples: Analysis of variance (ANOVA)				
		Independent Study Outside of Class : Reading: Larson & Farber, Ch. 10.4				
30th	Period: Day: Title:Predicting the response of dependent variables: Linear and logistic regression					
	Independent Study Outside of Class : Reading: Larson & Farber, Ch. 9.2-9.4					
31st	Period: Day: Title:Visualizing social relations: Network Analysis					
	Independent Study Outside of Class :					
32nd	Period: Day: Title:Final: independent data analysis project					
	Independent Study Outside of Class :					
Textbooks	For all sessions, both remote and in-person, reading and other related materials will be provided in digital form ahead of time.					
Reference						
Grading Policy *Hover the mouse over the number of a learning goal to view the full text of it.						
	Evaluation Methods	Midterm exam	Report/paper			
	Learning Goals1	○	○			
	Allocation of Marks	40%	60%			
Additional Information on Grading	Students are expected to (1) participate in class and (2) take the examinations. All scores on exams and activities will be based on 100 points. The final grade for this course will be determined by the following formula:					
	Mid-term review: 40% Final project: 60%					
	Late submission of assignments will be penalized with a 90% cap for the first 24 hours, and an additional 5% penalty for each day thereafter.					
Reasonable Accommodation	• If you need reasonable accommodation to participate in this class due to disability (including intractable disease and chronic condition), please contact the office for students with disabilities (e.g., Educational Affairs Section, Academic Affairs Section, Student Affairs Section) at your school/faculty or graduate school, or the Disability Advisory and Support Service Office of the Health and Counseling Center. • For more information, please visit the following website or contact the Disability Advisory and Support Service Office of the Health and Counseling Center. Website : https://acs.hacc.osaka-u.ac.jp Tel : 06-6850-6107 E-mail : campuslifekenkou-ac@office.osaka-u.ac.jp					
Special Note						
Office Hours						

Instructor(s)

Instructor Name	Name (hiragana)	Affiliation, Title, Course	Office	Extension	E-mail
No data found					

Cautions for Students