Syllabus

Kursbeschreibung

Titel der Lehrveranstaltung	Sozialstatistik
Code der Lehrveranstaltung	17319
Zusätzlicher Titel der Lehrveranstaltung	
Wissenschaftlich-disziplinärer Bereich	SECS-S/05
Sprache	Italienisch
Studiengang	Bachelor in Kommunikations- und Kulturwissenschaften
Andere Studiengänge (gem. Lehrveranstaltung)	
Dozenten/Dozentinnen	Prof. Giulia Cavrini, GCavrini@unibz.it https://www.unibz.it/en/faculties/education/academic-staff/person/13718
Wissensch. Mitarbeiter/Mitarbeiterin	
Semester	Erstes Semester
Studienjahr/e	1
KP	6
Vorlesungsstunden	30
Laboratoriumsstunden	15
Stunden für individuelles Studium	105
Vorgesehene Sprechzeiten	18
Inhaltsangabe	The course, which also includes a lab module, aims to provide the foundations of statistical reasoning, offering the tools to understand and analyze social phenomena using quantitative methods. The program includes an introduction to the logic of statistics, the classification of variables, techniques for summarizing and comparing data, the analysis of relationships between variables, and the use of social indices and indicators.

	The lab module is designed to provide a practical introduction to the analysis of social data using Excel.
Themen der Lehrveranstaltung	During the course, the following topics will be covered: - Introduction to statistical methodology and descriptive statistics. - Definition of variable, statistical unit, population, and sample. - Statistical description of a group: from data collection to the data matrix. - Frequency distribution of a variable and its graphical representation. - Measures of central trend and position. - Measures of variability. - Analysis of the association between two variables: the two-way table. - Introduction to probability. LABORATORY This part of the course aims to provide students with the statistical informatics tools required for the statistical analysis of the data collected. To this end, lessons will be held in the laboratory, and EXCEL will be used for the statistical analysis of the data matrix: - Setting up the data matrix. - Manipulation of variables and cases: recoding, case selection, separate analysis. - Monovariate analysis: Descriptive statistics, frequency distributions and graphs. - Bivariate analysis: double-entry tables. Measures of relationships for qualitative variables.
Stichwörter	Definition of variable; Simple and joint frequency distributions; Means; Variability; Definition of Association.
Empfohlene Voraussetzungen	Basic mathematics knowledge acquired during high school.
Propädeutische Lehrveranstaltungen	
Unterrichtsform	The course consists of in-person 30 hours of lectures and 20 hours of lab sessions, during which the professor will present the various topics. The lecture content will be delivered using PowerPoint presentations, which will be made available to students on TEAMS. All sessions follow a mixed approach: traditional lecture-based

	teaching alternates with interactive learning moments, with proportions varying depending on the topic and the type of activity carried out. Typically, the interactive component will be more prominent during in-class exercises and lab sessions.
Anwesenheitspflicht	In accordance with the regulation
Spezifische Bildungsziele und erwartete Lernergebnisse	
Spezifisches Bildungsziel und erwartete Lernergebnisse (zusätzliche Informationen)	
Art der Prüfung	The course examination consists of two parts: - A theoretical part, which will be assessed through a written test containing questions and exercises aimed at verifying both the knowledge and understanding of the course topics, as well as the ability to apply this knowledge to practical cases. - A practical part, assessed through a lab test in which the student will be required to analyse a dataset, answer the given questions, and describe the results obtained.
Bewertungskriterien	The final grade will be the weighted average of the written exam (5/7) and the lab assessment (2/7). Both parts must be passed in order to pass the exam. Additionally, two in-course (optional) assessments will be held during the semester. Passing both of these (one of which will include the lab part) will count as the final grade, which will be calculated as the weighted average of the two assessments, according to the criteria outlined above. If one of the two partial assessments is not passed, it may be retaken during the final exam. In any case, students may take the final exam if the grades from the in-course assessments are not considered satisfactory. - The evaluation criteria for the written exam are: accuracy of the answers provided, appropriateness of comments in sections requiring personal interpretation, and knowledge of the methods

	needed to solve the proposed exercises. - The evaluation criteria for the lab assessment are: knowledge of the software and techniques required to solve the proposed task, and the adequacy of the interpretation of the results obtained.
Pflichtliteratur	1. M.K. Pelosi, T.M. Sandifer, P. Cerchiello, P. Giudici Introduzione alla statistica, McGraw Hill, 2009 seconda edizione (capitoli 0 - 4). 2. P. Poli EXCEL 2019. Formule e analisi dei dati. Hoepli Informatica. Notes will also be provided by the lecturers.
Weiterführende Literatur	
Weitere Informationen	
Ziele für nachhaltige Entwicklung (SDGs)	Hochwertige Bildung