

General information	
Academic subject	Statistics 2
Degree course	<i>Business Economics</i>
Academic Year	<i>Second Year (2021-2022)</i>
European Credit Transfer and Accumulation System (ECTS)	8CFU
Language	<i>Italian</i>
Academic calendar (starting and ending date)	<i>First semester</i>
Attendance	<i>No but recommended</i>

Professor/ Lecturer	
Name and Surname	Antonella Massari
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Department and address	<i>DEMDI University of Bari Aldo Moro</i>
Virtual headquarters	<i>Microsoft Teams STATISTICA 2 Team CODE nk0ejis</i>
Tutoring (time and day)	Wednesday Hours 10.00-12.00 and Thursday Hours 11.00-13.00 Team Code ou9kygq For appointment contact the teacher by email

Syllabus	
Learning Objectives	
Course prerequisites	<i>Descriptive statistics</i>
Contents	<i>Partial and multiple regression and correlation Time series analyses Spatial series analyses Introduction to statistical inference Casual variables and their distribution Logic and techniques of inference Problems of inference on averages Problems of inference on percentages Problems of inference on variances Problems of inference on regression and correlation coefficients</i>

Books and bibliography	G. Girone, C. Crocetta , A. Massari “Statistica”, Bari, Cacucci, 2019
Additional materials	<i>About seminars lecture notes will be provided during the course</i>

Work schedule			
Total	Lectures	Hands on (Laboratory, working groups, seminars, field trips)	Out-of-class study hours/ Self-study hours
Hours			
64	54	10	
ECTS			
8 CFU			
Teaching strategy			
<i>Lectures ,exercises ,seminars about the application of statistical methodologies in a business context</i>			
Expected learning outcomes			
Knowledge and understanding on:	Knowledge of the basic foundations of the inferential statistical methodology; multiple_regression and correlation analysis; analysis of historical series and territorial series.		
Applying knowledge and understanding on:	Ability to apply the acquired knowledge to real cases		
Soft skills	<p>Autonomy of judgment: to acquire the ability to choose the most suitable methodological tools for the study of empirical cases and have autonomy of judgment in the interpretation of the results</p> <p><i>Communication skills: being able to effectively communicate the results obtained from the analysis of data.</i></p> <p><i>Ability to learn independently: ability to draw from data the information useful to take decisions, being able to integrate own knowledge to different situations.</i></p>		

Assessment and feedback	
Methods of assessment	During the examination session, some written exercises are provided to the students ,who must elaborate them in front of the professor, while discussing the methodological aspects
Evaluation criteria	<p>Knowledge and understanding: the candidate must demonstrate to know the statistical methodology proposed from a theoretical point of view during the course.</p> <ul style="list-style-type: none"> · Applied knowledge and understanding: knowing how to apply the most suitable methodological tools for solving real problems · Autonomy of judgment: knowing how to adequately interpret the obtained results · Communication skills: knowing how to present and explain the obtained results using the appropriate technical language <p>Ability to learn: knowing how to get effective and useful information from data in taking the best decisions, especially for business</p>
Criteria for assessment and attribution of the final mark	<p><i>Some exercises will be given to the students who must solve and discuss them with the professor in relation to the methodological aspects;</i></p> <p><i>The final mark will come from the acquired level of knowledge either of the methodology or the applications carried out during the exam.</i></p>
Additional information	