



UNIVERSITÀ DEGLI STUDI DI PALERMO

DEPARTMENT	
ACADEMIC YEAR	
ANNO ACCADEMICO EROGAZIONE	
SUBJECT	
CODE	
SCIENTIFIC SECTOR(S)	
HEAD PROFESSOR(S)	PIACENTINO DAVIDE Professore Ordinario Univ. di PALERMO
OTHER PROFESSOR(S)	
CREDITS	
PROPAEDEUTICAL SUBJECTS	
MUTUALIZATION	
YEAR	
TERM (SEMESTER)	
ATTENDANCE	
EVALUATION	
TEACHER OFFICE HOURS	PIACENTINO DAVIDE Tuesday 10:00 12:00 Ed. 13 - Secondo Piano - Stanza 85. Contattare il docente per email.

DOCENTE: Prof. DAVIDE PIACENTINO

PREREQUISITES	elements of economics, econometrics, and statistics are required.
LEARNING OUTCOMES	<p>Knowledge and understanding: (i) application of methods and interpretation of results descriptive analysis and interpretation of results in analyses of territorial economics.</p> <p>Applying knowledge and understanding: (i) planning empirical strategies; (ii) model specification based on territorial data; (iii) validation and interpretation of the results.</p> <p>Making judgement: (i) selecting methods suitable with respect to the phenomenon under analysis; (ii) ability in the empirical application, validation and interpretation of results.</p> <p>Communication skills (i) Ability to explain the results of the analyses, also to a public not expert in the field.</p> <p>Learning skills: (i) understanding empirical studies in territorial economics; (ii) searching and selection of adequate statistical methods with respect to nature of data and aims of analysis.</p>
ASSESSMENT METHODS	The final exam is oral, based also on the reports written by students during the course. The examination Board is interested to understand the ability of students of selecting proper statistical methods for the analysis of economic phenomena at territorial level, of implementing these methods and interpreting obtained results.
EDUCATIONAL OBJECTIVES	The course aims to provide to students adequate tools to implement a statistical analysis in the field of territorial economics.
TEACHING METHODS	lectures and practical exercises
SUGGESTED BIBLIOGRAPHY	<p>Materiale didattico a cura del docente.</p> <p>Per alcuni aspetti metodologici trattati a lezione si consiglia:</p> <p>A Primer for Spatial Econometrics: With Applications in R and Stata and Python (Palgrave Texts in Econometrics). 2024. Giuseppe Arbia. Publisher: Palgrave MacMillan. ISBN: 9783031571817</p>

SYLLABUS

Hrs	Frontal teaching
12	Introduction to statistical analysis of territorial economic phenomena. Definition of spatial matrix. Descriptive spatial statistics.
12	Spatial linear regression models.
Hrs	Practice
9	Spatial statistics applied to economic phenomena: case study 1
9	Spatial statistics applied to economic phenomena: case study 2