

Name of subject: RESEARCH METHODS IN ECONOMICS	Contact: luca.gambetti at uab.cat
Code: OT	Term: Year 2, Semester 2
ECTS Credits: 10	Working language: English

Instructors

Luca Gambetti, Joan Llull, Albert Marcet, Pedro Rey, Tomas Rodríguez-Barraquer

Objectives and Contextualization

In this module, students learn advanced research methods in Economics. These methods can include econometric techniques, network models and experimental and quasi-experimental techniques. The different methods are used and derived from their theoretical foundations and are applied to data. These techniques are applied to monetary and fiscal policy applications, labor market problems, and development and public economic environments.

Skills

CB6	To acquire the knowledge that provides the basis for originality in developing and/or applying ideas, often in a research context
CB7	The students can apply the acquired knowledge to solve problems in new environments, within broader contexts, that are related to their field of study
CB8	Students should be able to integrate knowledge and be confronted with the difficulty of formulating judgments based on incomplete and limited information
CB9	The students can communicate their conclusions to both specialists and non-specialists in a clear and unambiguous way
CB10	Students must have the learning skills necessary to continue studying in a way that is, mostly, self-directed and autonomous

Learning Outcomes

Specific:

E01	Ability to articulate the fundamentals of economic theory analytically, deriving them with mathematical reasoning
E01.14	To understand models of decision making that include assumptions about the behavior of the economic agents that differ from the neoclassical ones
E02	Ability to identify the fundamentals of statistical analysis and econometric techniques, deriving them from the laws of probability and statistics
E02.08	Ability to adapt existing microeconometrics techniques to specific fields like the labor

	economics, immigration and education
E02.07	Ability to adapt the existing methodology to address the question in hand
E03	To use the main software packages to program the analysis of economic data
E03.04	To program microeconometrics methods in a variety of applied contexts
E07	To conduct research in economics
E07.06	To design an experiment and the data analysis to address rigorously an economic question of interest
General:	
GT01	To find information in the existing literature
GT03	To apply the research method, its techniques and advanced tools, to investigate and provide new results in a particular area of expertise
GT04	To form opinions and defend them dialectically
GT05	To show a positive and innovative attitude

Activities

Type	Hours
Directed	75
Supervised	25
Autonomous	150

Methodology

- Theory classes
- Practice classes
- Learning based on problem solving
- Tutorials
- Personal study
- Study groups
- Textbook reading
- Article reading

Evaluation

Final Exam	70%
Class attendance and active participation	10%
Problem sets and assignments	20%

Contents

1. Macroeconometrics
2. Microeconometrics
3. Dynamic models of optimal policy and expectations
4. Experimental economics
5. Networks

Bibliography

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