



UNIVERSITÀ
DI FOGGIA



HR EXCELLENCE IN RESEARCH

(4th Ed.) Intro and Advanced
Econometrics
for Applied Economics
in Agricultural Sciences

September 6-10, 2021
Foggia (Italy)



**Course organized by the University of Foggia
(Italy)**

School coordinator: Fabio Santeramo, PhD



Introduction & objective of the course

Participants will learn theories concerning applied econometric analyses in the agri-food sector and will develop proficiency with software to facilitate the initiation of their own research in topics related to the agri-food sector. The course deals with both conceptual and methodological issues.

Target group and learning outcomes

The course is oriented toward PhD students, postdoctoral researchers, and professionals with interest in agricultural economics and applied economics.

After successful completion of this course students are expected to be able to:

- understand basic econometrics
- model economic problems related to the agri-food sector
- critically assess econometric analyses related to the agri-food sector
- understand advanced topics in applied econometrics for the agri-food sector

Assumed prior knowledge

- Principles of microeconomic theory at the undergraduate level
- Principles of probability and statistics at the undergraduate level

Course fees (early registration until July 25, 2021)

The course will be held in two formulas: in presence and online.

The fee for **in presence formula** is **€ 750 for PhD students** and **€ 1,000 for post-doc and professionals**.

The fee for **online formula** (online morning session and self-studying labs) is **€ 230**.

Course fees (late registration after July 25, 2021)

The course will be held in two formulas: in presence and online.

The fee for **in presence formula** is **€ 900 for PhD students** and **€ 1,200 for post-doc and professionals**.

The fee for **online formula** (online morning session and self-studying labs) is **€ 400**.

The fee for in presence formula includes additional training material, coffee/lunch breaks, welcome dinner, and informal drinks.

Session times

The course consists of theory and method sessions, divided in morning sessions for theoretical aspects and afternoon practical sessions for analytical exercises, simulations, and econometric estimations.

In particular, the practical will include applications of theoretical aspects, data analyses, and interpretations.

At the end of each practical, answers and reflections will be handed (in four times), feedbacks will be provided on the next course day.

Outline of the course in hours

The course will involve daily sessions, with a 4-hours theory session in the morning and a 2.5-hours practical session in the afternoon.

Course materials

Reading materials prepared by the instructors will be sent to participants in advance of the course. Articles and other accompanying materials will be distributed during the course.

Requirements and ECTS

Participants who will attend at least 50% of the activities and will hand in and pass with merit the 2 take-home exams at the end of practical sessions on day 2 and day 4 will receive the Certificate of Attendance, which in turn makes them eligible to obtain 4 credits.

Course schedule

Day	Lecture (morning)	Practical (afternoon)	Social events (in progress)
Sep 6 th	9.00 AM - 9.30 AM Introduction 9.30 AM - 1.00 PM Topic 1	3.00 PM - 5.30 PM Lab on topic 1 <i>Take-home exercises day 1</i>	7.30 PM – 9.30 PM <i>Welcome dinner</i>
Sep 7 th	9.00 AM - 9.30 AM <i>Feedbacks on exercises day 1</i> 9.30 AM - 1.00 PM Topic 2	3.00 PM - 5.30 PM Lab on topic 2 <i>Take-home exam #1 (by 7.00 AM, day 3)</i>	
Sep 8 th	9.00 AM - 9.30 AM <i>Feedbacks on exam #1</i> 9.30 AM - 1.00 PM Topic 3	3.00 PM - 5.30 PM Lab on topic 3 <i>Take-home exercises day 3</i>	7.00 PM – 8.00 PM <i>Informal drinks</i>
Sep 9 th	9.00 AM - 9.30 AM <i>Feedbacks on exercises day 3</i> 9.30 AM - 1.00 PM Topic 4	3.00 PM - 5.30 PM Lab on topic 4 <i>Take-home exam #2 (by 7.00 AM, day 5)</i>	
Sep 10 th	9.00 AM - 9.30 AM <i>Feedbacks on exam #2</i> 9.30 AM - 1.00 PM Topic 5	3.00 PM - 5.30 PM Lab on topic 5 <i>Certificate of Attendance</i>	

List of topics

1. Generalized Regression Models and Intro to Endogeneity Issues; Systematic Review and Meta-Analysis
2. Quantile Regression and Hedonic Price Models; Intro Time Series Econometrics
3. Advanced Endogeneity Issues and Instrumental Variables; Limited Dependent Variable Models
4. Panel Data Models and Spatial Econometrics; Models for Policy Evaluation
5. Shrinkages Estimators and Non-parametric Estimations; Advanced Topics in Time Series Econometrics

Suggested reading: Angrist and Pischke. *Mostly harmless econometrics: An empiricist's companion*. Princeton university press, 2008.

Main book: Wooldridge. *Introductory econometrics: A modern approach*. Nelson Education, 2015.

Optional book: Stock and Watson. *Econometrics*. Addison Wesley, 2007.

The practical sessions (afternoon) will focus on economic models applied to the agri-food system. Datasets and codes will be run in STATA.

Website: <https://econometricsinagriculture.wordpress.com/>

YouTube channel: <https://www.youtube.com/channel/UCWFHppq5EljjonAVqqU4S5kq>

Location

Department of Sciences of Agriculture, Food, Natural resources and Engineering (DAFNE)
University of Foggia

Via Napoli 25, Foggia, Italy



Local organizing committee

Prof. Fabio Santeramo (Chair), Department of Agricultural Sciences - University of Foggia

Prof. Antonio Seccia, Department of Humanities – University of Foggia

Prof. Roberta Sisto, Department of Economics and Management – University of Foggia

Important

Application forms should be sent via email to econometricsinagriculture@gmail.com

The maximum number of participants in presence formula is set at 50. Admissions will be made until space availability.

Please make sure that you provide the most recent contact details so that in case of any changes you will be notified promptly.

Cancellations

Cancellations may be made free of charge until 3 weeks before the start of the course. Cancellation fee of 50% applies if participants cancel the course less than 3 weeks (21 days) prior to the course.

Cancellation fee of 100% applies if participants cancel the course less than 2 weeks (14 days) prior to the course.

The organizers have a right to cancel the course not later than 2 weeks before the course starts. The participants will be notified of any changes at their e-mail addresses.

Further information

For information on course content please contact the coordinator, Prof. **Fabio Santeramo** at fabio.santeramo@unifg.it.

For information on registration and fees, please contact at econometricsinagriculture@gmail.com.

For details on travel information, logistics, and accommodation, please see below.

Useful information on travel

Foggia is in the Apulia region (Southern Italy). You may reach Foggia by airplane, by train or by car.

Airplane

The nearest airports are the airport of Bari "Palese" (120 Km) and the airport of Naples "Capodichino" (170 km), connected with Foggia by trains and buses.

Please check bus connections from Bari (airport) to Foggia (train station) at the link: <http://metaurobus.it/>.

Please check train connections from Bari (train station) to Foggia (train station) at the link: <https://www.trenitalia.com>.

Please check bus connections from Naples (train station) to Foggia (train station) at the link: <https://www.clpbus.it/>.

Train

Foggia is reachable by train. Please check train connections at the link: <https://www.trenitalia.com>.

The Department DAFNE is located at walking distance (20 minutes) from the train station.

Car

Take the highway A14 and the exit to Foggia.

Follow the direction by Google Maps for "Dipartimento di Scienze Agrarie, Alimenti, Risorse Naturali e Ingegneria", Via Napoli 25, Foggia.

Useful information on accommodations close to the Department DAFNE

[B&B Le Quattro Stagioni](#)

Viale Luigi Pinto, 47 – Foggia

Single room Sep 5th – Sep 11th: € 240

[Opera B&B](#)

Via Telesforo, 31 – Foggia

Single room Sep 5th – Sep 11th: € 264

[Maison Saint Honoré](#)

Via Martiri di Via Fani, 4 – Foggia

Single room Sep 5th – Sep 11th: € 300

Please check further accommodations at the following links:

www.booking.com

www.airbnb.com

Nearby touristic places

Barletta – 60 km from Foggia

