

Diletta Topazio

Economist

Food and Agriculture Organization of the United Nations, Roma, Italia

- Implementation of econometric analysis to accelerate food safety and food quality interventions, at regional, national, and international levels (Stata, R).
- Design of field experiments in developing countries to estimate consumers' willingness to pay for food safety.
- Development of food safety monitoring tool using neural network and artificial intelligence (Python).
- Technical analysis of lab experiments data to quantify the cost of anti-microbial resistance and to develop incentive compatible strategies (Stata, R).
- Technical implementation of economic and econometric analysis, including stochastic frontier analysis and efficiency analysis, to accelerate agricultural transformation and sustainable rural development in Latin America (Stata, R).
- Development of trade analysis and impact evaluation studies to increase the competitiveness of the local sector and identify future investments in Caribbean (Stata).
- Technical design, implementation and monitoring of agricultural policies, development of new techniques, including data mobilization, management, and dissemination.
- Drafting of actionable and high-quality policy recommendations, technical reports and policy briefs.

PROFESSIONAL EXPERIENCE March 2021 - current

January 2018 – March 2021

Research Analyst

European Central Bank, Frankfurt am Main, Germany

- Data management to support the production of new datasets, to combine and map several datasets at security level and bank level, at consolidated and unconsolidated level. Regular updates of datasets, data cleaning exercises, granularity analysis (Stata, SQL, Python).
- Support to research projects to assess the relationship between monetary policy and macroprudential policy using banks' loans data and banks' large exposures data (Stata, R).
- Data management for compilation and maintenance of supervisory and capital market databases (SQL, VBA, Matlab, R). Creation of information infrastructures to compute horizontal analysis on individual financial institution data (Stata). Production of default probability charts, at sovereign and banks level (Matlab, Oxmetrics, Datastream, Bloomberg).
- Support to the Financial Stability Review publication, horizontal risk analysis to monitor profitability, risk taking, asset quality, solvency, funding (Stata).
- Contribution to the Green Finance project, doing some climate stress-test of the Financial System as well as drafting some scenario analysis.
- Collaboration on the Large Exposure project, network analysis of the impact of granular and idiosyncratic shocks to single or multiple institutions via bilateral linkages (R).
- Collaboration on Shared Data Services Pilot, quality and consistency assessment of security prices using ECB internal datasets vis-a'-vis public datasets (R, SQL).
- Collaboration on Data Inventory Tool, metadata cleaning and data quality check. Production of Tableau graphical representations, support to the Data Stewards and Data Committee meetings. (Tableau, Stata).

ACADEMIC PROFESSIONAL EXPERIENCE

February 2024 - current **Lecturer**
Sapienza Università di Roma - Department of Economics and Finance

February 2021 - current **Teaching Assistant**
LUISS Guido Carli – Department of Economics
▪ Applied Economics, Macroeconomics, Microeconomics

March 2020 - June 2020 **Teaching Assistant**
University of Chicago - Department of Economics
▪ Experimental Economics, Behavioral Finance

February 2017 – December 2017 **Teaching Assistant**
Sapienza Università di Roma - CORIS Department
▪ Behavioural Economics

July 2016 – September 2016 **Research Assistant**
New York University - Department of Mechanical and Aerospace Engineering
▪ Dynamic leader-follower behavior in a collaborative contest

September 2017 – December 2017 **Teaching Assistant**
LUISS Guido Carli - Big Data Lab
▪ Machine learning and causal inference

ACADEMIC DEGREES

October 2018 – December 2022 **PhD in Economics**
Goethe University, Final Grade: Magna cum Laude
▪ Thesis: Decision Making under Risk and Uncertainty: a Behavioral Approach. Supervisor: Prof. G. Ponti

September 2016 – July 2018 **Master of Science in Economics**
LUISS Guido Carli: Magna cum Laude with Special Mention, GPA: 29.6/30
▪ Thesis: An Ambiguity Analysis under Heterogeneity with a Bayesian Spin. Supervisor: Prof. G. Ponti

September 2013 – July 2016 **Bachelor of Science in Economics & Business**
LUISS Guido Carli: Magna cum Laude, GPA: 29.5/30
▪ Thesis: Thesis: Is Inequality good for Growth? An empirical assessment. Supervisor: Prof. G. Vallanti

ACADEMIC VISITING AND EXCHANGE PROGRAMS

May 2022 **PhD Visiting Student**
University of Alicante – Department of Economics
Supervisor: Prof. G. Ponti

March 2020 – June 2020 **PhD Visiting Student**
University of Chicago - Department of Economics
Supervisor: Prof. J. List

April 2018 – May 2018 **Thesis abroad program**
University of Chicago - Department of Economics
Supervisor: Prof. G. Ponti

August 2015 - December 2015 **Exchange Program**
Singapore Management University - Department of Economics
GPA: 29.5/30

August 2017 **Summer school**
Berlin Mathematical School - Department of Applied Mathematics
Probabilistic and Statistical Methods for Networks

July 2017 **Summer school**
Utrecht University - Department of Statistics

Introduction to Complex systems

AWARDS AND FELLOWSHIPS

September 2019 - July 2020
September 2019
September 2018 - July 2019
September 2017 - July 2018
July 2017
September 2016 - July 2017
August 2015 - December 2015

G. Mortara PhD Fellowship – Bank of Italy
Thesis of Excellence Prize - LUISS Guido Carli
PhD Fellowship - Ermenegildo Zegna
Evaluation Office Fellowship - LUISS Guido Carli
Summer School Grant - Berlin Mathematical School
Research Office Fellowship - LUISS Guido Carli
Exchange Program Fellowship - LUISS Guido Carli

PUBLICATIONS

Accepted/Published Articles in Peer-Reviewed Journals

2023 **The Trade Impacts of Antimicrobial Limits in Food: case of shrimp exports to the EU** - United Nations FAO Policy Brief, with J. Lejeune & A. S.Henson
2023 **Foodborne Antimicrobial Resistance (AMR): an economic concern** - United Nations FAO Policy Brief, with J. Lejeune & A. Molenina
2023 **Unlocking the potential of poultry production: rethinking supply chains for greater self-sufficiency in the Caribbean Community** - United Nations FAO Working Paper, with C. Morales Opazo & J. Soguero Escuer
2023 **Boosting the Caribbean Community poultry supply chain through better production** - United Nations FAO Policy Brief, with C. Morales Opazo & J. Soguero Escuer
2022 **An Experiment on Outcome Uncertainty** - Journal of Risk and Uncertainty, with G. Ponti, C. Herrero & J. Alonso
2019 **An Ambiguity Analysis under Heterogeneity with a Bayesian Spin** - Working Paper LUISS

In Progress

2023 **Antimicrobials as Social Good: understanding Prosocial Behaviour Among Smallholder Farmers in Kenya** - United Nations FAO Working Paper, with A. Buckel
2023 **Policy approaches to encourage antimicrobial stewardship (AMS) in food production: a perspective from economics** - United Nations FAO Working Paper, with J. Lejeune & A. Molenina
2022 **Identification of Risk vs Ambiguity Aversion in Public Good Provision** - Working Paper, with G. Ponti
2022 **Prioritization of Investments in the Agricultural and Rural Sector using the Stochastic Frontiers Approach: evidence from Latin America and the Caribbean** - Working Paper FAO, with J. Ortega, C. Morales, A. Gonzalez & C. Seoane
2021 **Time Preferences are Risk Preferences** - Working Paper, with G. Ponti

PRESENTATIONS & TALKS

December 2023 **A Tragedy of the Commons: economic perspectives on antimicrobial use in agrifood systems** - Codex Alimentarius Commission, FAO, Rome
October 2023 **Saving the Planet begins at Breakfast** - Milan Fintech Summit, Milan
April 2023 **Decision Making under Risk and Uncertainty: a Behavioural Approach** - FAO Behavioural Science Office Hours, Rome
November 2022 **Foodborne Antimicrobial Resistance: an economic approach** - FAO, Rome
June 2022 **The Economics behind Food Security and Food Sustainability** - Women in Tech, Rimini
May 2022 **Keep Calm and Be Significant** - Festival of Statistics, online
November 2021 **If it doesn't challenge you, it won't change you** - WomenXImpact, Bologna
June 2020 **Time Preferences are Risks Preferences** - University of Chicago, Chicago
June 2018 **Ambiguity Analysis under Heterogeneity with a Bayesian Spin** - ECB, Frankfurt am Main
December 2017 **Experimental and Behavioral Economics** - Sapienza Universita' di Roma, Rome

LANGUAGES

Mother language Italian

Il presente *curriculum vitae*, è redatto ai fini della pubblicazione nella Sezione "Amministrazione trasparente" del sito web istituzionale dell'Ateneo al fine di garantire il rispetto della vigente normativa in materia di tutela dei dati. Il C.V. in versione integrale è conservato presso gli Uffici della Struttura che ha conferito l'incarico.

Other languages	COMPREHENSION		SPEAKING		WRITING
	Listening	Reading	Conversation	Speaking	
English	C2	C2	C2	C2	C2
Spanish	B2	B2	B2	B2	B2
French	B1	B1	B1	B1	B1
Portuguese	A2	A2	A2	A2	A2

PROGRAMMING

Scala, Java, R, Python, MatLab, Julia, Fame, SQL, LATEX, Tableau, Bloomberg certificate, Microsoft Office (ECDL Certificate)

VOLUNTEERING

Teaching economics classes to refugees by taking part to "Progetto Mediterraneo" by LUISS Guido Carli

FOOTBALL

Italian
Italian national football team under 17, AS Roma, SS Lazio

Dati personali

Autorizzo il trattamento dei miei dati personali ai sensi del Decreto Legislativo 30 giugno 2003, n. 196 "Codice in materia di protezione dei dati personali".

La sottoscritta dichiara di essere consapevole che il presente *curriculum vitae* sarà pubblicato sul sito istituzionale dell'Ateneo, nella Sezione "Amministrazione trasparente", nelle modalità e per la durata prevista dal d.lgs. n. 33/2013, art. 15.

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f. to Diletta Topazio