

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

- Health Econometrics

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 schoolUtrecht 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 Università di Roma, Rome

LANGUAGES

Mother language Italian

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

Stata, 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 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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16/02/2024

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