

## PERSONAL INFORMATION

## Daniela Lena

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Telephone(s)

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Date of birth

## ACTUAL POSITION

March 2022-currently

## Research fellow in Applied Economics (SSD SECS-P/06)

Marche Polytechnic University, Faculty of Economy "Giorgio Fuà", Department of Economics and Social Science (DiSES), Ancona, Italy

**Title of the project:** "Valutazione strategica delle tecnologie e analisi dei modelli operativi per lo sviluppo degli ecosistemi innovativi in ambito Domotica e Intelligenza Artificiale". Within project: Marche Innovation and Research facilities for Connected and Sustainable Living Environment -MIRACLE- Por Marche FESR 2014/2020.

**Supervisor:** Prof. Dr. Marco Cucculelli

**Title of the project:** "Resilienza, sostenibilità, benessere e sviluppo: modelli per l'implementazione politico amministrativa e loro diffusione e implementazione". Within project: reCITY – Resilient City-Everyday Revolution, PON 2015-2020.

**Supervisor:** Prof. Dr. Fabio Fiorillo

## EDUCATION

October 2022

## Ph.D. in Economics

Marche Polytechnic University, Faculty of Economy "Giorgio Fuà", Department of Economics and Social Science (DiSES), Ancona, Italy

October 2017

## Master's Degree in Economics and Management

Marche Polytechnic University, Faculty of Economics "Giorgio Fuà", Department of Management, Ancona, Italy

July 2011

## Integrated Diploma II level, DND

University of Tirana, Faculty of Economy, Department of Management, Tirana, Albania

## TRAINING/COURSES

November 25-30, 2021

## DEA/SFA courses: Performance Measurement Using Data Envelopment Analysis (DEA) &amp; Stochastic Frontier Analysis (SFA)

Online courses organized by PIM Ltd (Emmanuel Thanassoulis & Ali Emrouznejad)

I attended a 6-days online course on DEA and SFA where I got the possibility to deeply understand the fundamentals of Data Envelopment Analysis (DEA) and Stochastic Frontier Analysis. DEA and SFA are the general-purpose methods for efficiency and productivity analysis in complex multi – output and multi- input contexts in the production of goods and services. Moreover, I had the opportunity to learn to use PIM software for DEA analysis and

September 27-29 and,  
October 04-06, 2021

Stata software for SFA applications.

### Dynamic Panel Data Analysis Course

Online courses organized by TStat Training Courses

I attended a two-week course on Dynamic Panel Data analysis which offered to me a complete overview of dynamic panel data analysis techniques. It provides me the opportunity to acquire the more advanced technical capabilities currently available for panel data analysis. I got the possibility to deeply understand, through a series of illustrative examples, the theoretical approach of Instrumental variable analysis (IV) and Generalized methods of moments (GMM) and more recent issues in dynamic panel data analysis, such as weak instruments with persistent data; instrument proliferation; gaps in the data; estimation with serially correlated errors; robust inference with multiway clustering and the finite-sample performance of estimators and tests.

July 05-09, 2021

### Quantitative Methods for Public Policy Evaluation Course

Barcelona GSE Summer School 2021 Edition, Barcelona Graduate School of Economics, Spain (online).

I attended an online course on the Quantitative Methods for Public Policy Evaluation in Barcelona GSE. Following this course, I have deepened my knowledge of the main approaches used in the evaluation of public policies: randomized evaluations, natural experiments, the regression discontinuity design, selection on observables, difference-in-differences / fixed-effects, and synthetic control.

March 22-26, 2021

### Analysing Micro Data in Stata Course

Online courses organized by TStat Training Courses.

I attended a one-week course on micro-data analysis on Stata, where I got the possibility to deeply understand both, theoretical and applied frameworks. The course was concentrated on the following methodologies: count models, binary dependent variable models, multinomial models, Tobit and Interval Regression models, models with treatment variables, and models with Sample Selection. Furthermore, the session was focused on: i) the Control Function approach for the estimation of non-linear models with endogenous continuous variables; and ii) the latest Stata commands for the estimation of Extended Regression Models (ERM), which implement Maximum Likelihood estimators capable of simultaneously treating issues of Sample Selection and the presence of both endogenous regressors and treatment variables.

## WORK EXPERIENCE

### TEACHING

March 2023– current

### Teaching Assistant in Microeconomics

Marche Polytechnic University, Faculty of Economy “Giorgio Fuà”, Department of Economics and Social Science (DiSES), Ancona, Italy

October 2019– October 2021

### Academic tutoring activities in Microeconomics

Marche Polytechnic University, Faculty of Economy “Giorgio Fuà”, Department of Economics and Social Science (DiSES), Ancona, Italy

March 2018 – July 2018

### Academic tutoring activities: Value Training P.A. Course

Marche Polytechnic University, Faculty of Economy “Giorgio Fuà”, Department of Economics and Social Science (DiSES), Ancona, Italy

## RESEARCH ACTIVITIES

March 2022 - May 2022

### Visiting scholar

Lancaster University, Management School, Department of Economics, Lancaster, United Kingdom

Supervisor: Prof. Dr. Ian Walker

August 2019 – September 2019

## Junior Researcher: TASKFORCOME project

Marche Polytechnic University, Faculty of Economy "Giorgio Fuà", Department of Economics and Social Science (DiSES), Ancona, Italy

## PERSONAL SKILLS AND COMPETENCES

Mother Tongue

Albanian

Other language

	Understanding		Speaking		Writing
	Listening	Reading	Spoken interaction	Spoken production	
Italian	C1	C1	C1	C1	C1
English	C1	C1	C1	C1	C1
German	A2	A2	A2	A2	A2
<p><i>EFCambridge English Level Test Certification (December 2015)</i>  <i>Deutsch Akademie Sprachzertifikat, Berlin (December 2016)</i></p>					

## OTHER INFORMATION

Journal Publications

- Gerdoçi, B., Busho, N., Lena, D., Cucculelli, M., 2023. *Disentangling the relationship between absorptive capacity, business model design and differentiation strategy. Evidence from a transition economy.* European Journal of Innovation Management, vol. 26 No. 7, pp. 385-414. <https://doi.org/10.1108/EJIM-10-2022-0596>
- Lena D., Pasurka A. C., Cucculelli M., 2022. *Environmental regulation and green productivity growth: Evidence from Italian manufacturing industries.* Technological Forecasting & Social Change, 184:121993.
- Busho N., and Lena D., 2020. *Exploitative Innovation and the Impact of Realized Absorptive Capability and Technology Oriented.* European Journal of Social Science Education and Research, vol. 5, No 3.
- Cucculelli M., Lena D., 2017. *Tecnologie digitali e sistema produttivo, Prime evidenze per le Marche*. Economia Marche - Journal of Applied Economics, vol. 36, No.2.

Working Paper

- Lena D., Pasurka A. C., Cucculelli M., 2023. *Green transition and productivity growth in manufacturing industry. Evidence from selected EU countries.* (Under review for Energy Economics).
- Gerdoçi, B., Lena, D., Cucculelli, M., 2023. *Organisational culture, business model design and performance: does ambidexterity play a role?* (Working paper)
- Cucculelli, M., Gerdoçi B., Lena, D., 2023. *Dose business model innovation make the difference for high growth firms? Evidence from Italian Contexts.* (Working paper).
- Fiorillo, F., and Lena, D., 2023. *The governance of urban resilience: a framework and a valuation tool.* (Working paper)
- Lena, D., Cucculelli, M., 2023. *The environmental impact of technological progress:*

*Insights from the Italian economy.* (Working paper)

**Reports**

1. Lena, D., and Fiorillo, F., 2022. *Analisi della letteratura inerente ai modelli di diffusione e trasferimento tecnologico e di competenze*. Report within "Resilient City- Everyday Revolution" project. OR10.1, Università Politecnica delle Marche.
2. Fiorillo, F., and Lena, D., 2023. *Resilienza come bene economico*. Report within "Resilient City- Everyday Revolution" project. OR01/OR04, Università Politecnica delle Marche.

**Conferences**

AIV XXV Congresso Nazionale- "Chiedimi di valutare. Il rapporto tra valutatore e committente, tra programmazione, attuazione e valutazione". Palazzo Falletti, via Panisperna, 207. Rome, Italy. (September 20-22, 2023).

Il XXI Annual Workshop of Società Italiana di Economia e Politica Industriale (SIEPI), at University of Napoli Federico II, Naples, Italy. (June 15-16, 2023).

European Workshop on Efficiency and Productivity Analysis (EWEPA-XVII), at Católica Porto Business school, Porto, Portugal. (June 27-29, 2022).

Society for Benefit-Cost Analysis (SBCA) 2021 Annual Conference (online March 17-24, 2021)

11th (virtual) North American Productivity Workshop (NAPW XI), at University of Miami, Miami Herbert Business School, Miami, USA, (Online June 8-15, 2020).

**Journal reviewer**

Environmental Impact Assessment Review (Elsevier).

**Membership**

ISEaPA- International Society for Efficiency and Productivity Analysis, AERE-Association of Environmental and Resource Economists, SCBA- Society for Benefit-Cost Analysis, S.I.E.- Società Italiana di Economia, AIV-Associazione Italiana di Valutazione.

**Ph.D. thesis**

Sustainable Economic growth and Efficiency  
Supervisors: Prof. Marco Cucculelli and Prof. Carl Pasurka

**Master's degree thesis**

Industry 4.0: Perspectives for the regional economic system  
Supervisor: Prof. Marco Cucculelli

**Personal data**

I authorize the processing of my personal data pursuant to Legislative Decree 30 June 2003, n. 196 "Code regarding the protection of personal data.

**Signature**

September 25<sup>th</sup>, 2023