

# FEDERICA PETRUCCELLI

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## EMPLOYMENT EXPERIENCE

**PhD in Development Economics**, Sapienza University of Rome, Rome, IT (Nov. 2020 – Expected Feb. 2024)

**Junior Consultancy**, FAO, Rome, IT (Jan. 2022 – Mar. 2022)

- *Agrifood Economics Division (ESA)*
- *Empirical research, working paper writing, PowerPoint presentation, policy guidelines preparation*

**Internship**, IFAD, Rome, IT (Jun. 2021 – Nov. 2021)

- *Research and Impact Assessment (RIA) Division*
- *Data cleaning, report writing, survey testing*

**Module Leader and School Tutor**, University of Sussex, Falmer, UK (Sept. 2019 – Aug. 2020)

- *Facilitating active learning experiences through preparing and delivering clear, coherent, and interactive seminars to a non-technical audience. (Modules taught: Economics Principles, Quantitative Methods for Business and Economics)*

## EDUCATION

**PhD in Development Economics**, Sapienza University of Rome, Rome, IT (Nov. 2020 – Feb. 2024)

**MSc in Development Economics**, University of Sussex, Falmer, UK, (Sept. 2018 – Oct. 2019)

**Erasmus Programme**, Universidad de Almeria, Almeria, SP, (Sept. 2016 – Mar. 2017)

**BA in Economics and Trade**, Università degli studi della Campania “Luigi Vanvitelli”, Capue, IT, (Sept. 2014 – Dec. 2017)

## PhD COURSES

Microeconomics, Macroeconomics, Econometrics, Mathematics for Economics, Statistical Inference, Probability and Stochastic Processes, Development Economics, Economics of Corruption, Economic Geography, Spatial Data Analysis

## PhD ONGOING RESEARCH

I leverage the multi-stressor nature of the COVID-19 generalized disruption as an opportunity to empirically validate a set of predictive models exploitable for the ex-ante targeting of preventive interventions. Using microdata from the World Bank multi-topic household surveys for Ethiopia and Nigeria, my retrospective evaluation tests the

forecasting accuracy of a mix of theory-based and data-driven models in predicting hardest-hit households and food system actors during the COVID-19 pandemic. I document that, despite considerable heterogeneity across methods, no model achieves a satisfactory forecasting performance. Such evidence calls for a refinement of current profiling methodologies to enable policymakers to act before the occurrence of large-scale food system shocks, implement early-warning systems of vulnerability hotspots, and improve the cost-effectiveness of resilience-building programs.

RESEARCH  
INTERESTS

Development Economics, Applied Econometrics, Impact Evaluation

OTHER  
TRAININGS

July 2021 – **Summer School on “Panel Data Econometrics; Theory and Applications”**, Italian Econometric Association (SidE), Bertinoro, IT

July 2020 – **Advanced Training on “Evaluation of Development Policies: Concepts, Methods, Applications”**, Italian Center for International Development (ICID), Rome, IT

OTHER  
EXPERIENCE

**Exam invigilator**, University of Sussex, Falmer, UK (2019-2020)

**Volunteer**, International Civil Service, the National Organization U.I.L.D.M., Caserta, IT (2015-2016)

SCHOLARSHIPS

2020 – 2024 PhD Grant (full scholarship), Sapienza University of Rome

2016 – 2017 Erasmus + Scholarship, Università degli studi della Campania “Luigi Vanvitelli”

LANGUAGES

Italian (native), English (fluent), Spanish (fluent)

COMPUTER SKILLS

Proficient in STATA, Microsoft Office, LaTeX; basic knowledge of R, and ArcGIS

REFERENCES

Prof. Pierluigi Montalbano  
Sapienza University of Rome  
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Prof. Andy McKay  
University of Sussex  
[A.Mckay@sussex.ac.uk](mailto:A.Mckay@sussex.ac.uk)

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