EUGENIO PAGLINO

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EXPERIENCE

UNIVERSITY OF PENNSYLVANIA. – Philadelphia, PA, USA
Researcher, Data Scientist   *December 2021 – Present*

- Led a complex research project to estimate the monthly number of excess deaths experienced during the COVID-19 pandemic for 3,127 counties in the United States.
- Built a data analysis pipeline to estimate Bayesian hierarchical models and aggregate the resulting estimates at different temporal and geographical levels while propagating the relevant uncertainty.
- Coordinated the work of two research assistants, a postdoc, and an external consultant on the project, assigning them specific tasks and monitoring their progress.
- Published 3 articles in scientific journals with 2 more under review and 3 close to submission.

SUMMER INSTITUTES IN COMPUTATIONAL SOCIAL SCIENCES. – Philadelphia, USA
Organizer and Instructor   *October 2021 – Present*

- Organized the 2022 and 2023 sites of the Summer Institute in Computational Social Sciences at the University of Pennsylvania.
- Raised funds, $25,000+ for the 2022 edition and $45,000+ for the 2023 edition, selected 50+ participants, recruited 15+ speakers from academia and industry, prepared and led learning sessions on text analysis and data visualization.

BOCCONI UNIVERSITY. – Milan, Italy
Research Assistant   *September 2019 – September 2020*

- Developed software to combine geolocated data from different data sources for 135 regions of 17 African countries, integrating administrative and geographical data.
- Designed statistical models to investigate the impact of Chinese investments in Africa on health outcomes, and to quantify the relationship between the prevalence of bribery and maternal mortality in African countries.

NETHERLANDS INTERDISCIPLINARY DEMOGRAPHIC INSTITUTE. – The Hague, Netherlands
Research Intern   *June 2018 – August 2018*

- Analysed survey metadata for the Generations and Gender Surveys to identify questions associated with respondents dropping out, proposing improved survey design to boost completion rates by 10%.
- Studied new opportunities (costs, sampling issues, organizational requirements) to conduct surveys and participant recruitment via social media and other online networks.
- Presented a final report concluding that the cost of pilot surveys could be reduced by more than 50%.
- Conducted a statistical analysis of interviewer manipulation to detect potential issues in the latest round of data collection. The results were published in [Demographic Research](#).

EDUCATION

UNIVERSITY OF PENNSYLVANIA – Philadelphia, PA, USA   *September 2020 – Present*
PhD in Demography and Sociology
Master of Arts in Statistics and Data Science (Wharton School)
Core courses: Applied Machine Learning, Forecasting Methods for Management, Modern Data Mining, Bayesian Statistical Theory and Methods, Modelling Geographical Space (GIS), Observational Studies

INTERNATIONAL MAX PLANCK RESEARCH SCHOOL – Rostock, Germany   *September 2021 – Present*
Doctoral Program in Population, Health, and Data Science

BOCCONI UNIVERSITY – Milan, Italy   *September 2014 – July 2019*
Master of Science, Economics
Bachelor of Science, Economics

ADDITIONAL INFORMATION

Technical: Python (pandas, numpy), R, SQL, Bayesian statistics, ML (scikit learn, TensowFlow, PyTorch), NLP, time series analysis, GIS
Languages: Fluent in English and Italian
Certifications & Training: [Deep Learning Specialization](#), [Natural Language Processing Specialization](#), [SQL for Data Science,](#) and [Matrix Algebra for Engineers](#) courses on Coursera