Giacomo Mason
Quantitative Economist

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Key Competencies

- Over five years independent research experience, with strong analytical foundations in statistical and econometric modelling and diverse range of practical applications (econ, stats, med)
- Data cleaning, analysis, visualisation using multiple programming languages (Stata, R, Python)
- Experience applying data science and machine learning tools to large datasets
- Emphasis on version control and reproducibility of research findings
- Deep knowledge of survey design, training, and management, including field experience
- Excellent communication skills through 4 years of research presentations and teaching

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Recent Research Experience

2014 – pres.

Research Consultant
Institute for Fiscal Studies – London, UK / Oxford Policy Management – Oxford, UK

- Participating in the evaluation of the Child Development Grant Programme, via a clustered randomised control trial in northern Nigeria. Implemented a large household survey (5000+) to study the effects of a cash and information intervention on child nutrition and development.
- Led the design and programming of the survey and the entire data analysis process. The quality of the evaluation unlocked additional funding by the UK Dept. for International Development.
- Responsibilities: survey design; training of enumerators; survey management; data preparation and analysis; reporting for funders; dissemination to both technical/academic and policy audiences.
- Technical skills: survey programming (Survey Solutions); data cleaning, state-of-the-art econometrics of experimental and programme evaluation with panel data, visualisation (Stata, R).

2014 – pres.

PhD Researcher
University College London – London, UK

- Supervisors: Prof. Orazio Attanasio, Prof. Gabriella Conti
- Main projects
  - Inequality in early-life socioemotional skills: a cross-cohort comparison
  - The impacts of a pregnancy lifestyle intervention on maternal outcomes
  - Estimating health production functions in adulthood: a control function approach
- Technical skills (Stata, R): multivariate and regression analysis; longitudinal data; factor analysis and structural equation models; permutation and bootstrap inference; multiple hypothesis testing.

Other Work and Research Experience

2018 – pres.

Private Tutor – *TheProfs – London, UK*

2015 – 2018

Postgraduate Teaching Assistant
University College London, Department of Economics – London, UK

- Quantitative Econ. and Econometrics (UG), Econ. of Education (UG), Econ. of Public Sector (UG)
- Awards: Excellence in Teaching 2014/2015 (winner), Outstanding Feedback 2017/2018 (nomin.)

2013

Health Economics Junior Researcher
International Renal Research Institute (IRRIV) – Vicenza, IT

- Interdisciplinary research (economics, biology, medicine, engineering) on nephrology and dialysis
- Four coauthored research articles published in leading journals in the nephrology field.

2012	**Research Assistant** *Research Institute for the Evaluation of Public Policies (IRVAPP) – Trento, IT* • Assisted the evaluation of a World Bank randomised intervention in Nigeria. • Technical skills: data cleaning and regression analysis; GIS software. **Other Work:** Junior business analyst, event photographer

Education

2014 – pres.	**MPhil/PhD Economics** – University College London, Department of Economics
	  Student Academic Representative (StAR) for the 2014/2015 MPhil cohort
	  Organiser of weekly Applied Microeconometrics Reading Group

2013 - 2014	**MRes Economics** (*merit*) – University College London, Department of Economics Dissertation: *The Health-Education Gradient In the BCS70 Data*
2010 - 2012	**MSc Economics and Finance** (*cum laude*) -- University of Padua, School of Economics and BA Dissertation: *Distance From Markets And Consumption Inequality: Evidence From Rural Lagos*
2007 - 2010	**BSc Economics and Business** (*cum laude*) – University of Padua, School of Economics and BA Dissertation: *An Essay on Growth and Inequality*
2009	**LLP / Erasmus Programme** – Copenhagen Business School, Denmark
2009	**Intl' Summer Program in Management** – University of Michigan, Ann Arbor, MI

Volunteering

2017 – pres.	**Director** *Unseen Tours – Award winning tours with Londoners affected by homelessness – London, UK* • Social enterprise in the tourism sector, organising guided walks of London • Coordinating and curating the London Bridge tour • Social media management, business development, press relations

Skills

Software	• R – data cleaning, analysis, visualisation, statistical modelling	*Advanced*
	• Stata – data management, cleaning, econometric modelling, visualisation	*Advanced*
	• Python – web scraping, machine learning, text analysis, visualisation	*Intermed.*
	• Git/GitHub – version control and collaboration	*Intermed.*
	• Unix, SQL, Matlab, Julia	*Basic*
Training courses	• Center for Microeconomic Methods and Practice (cemmap): Dynamic programming, Survival analysis, Statistical graphing, Applied nonparametric econometrics, Programme evaluation, Econometrics of cross-section and panel data, Discrete choice modelling. • UCL: Unix shell, Adaptive modelling of complex data, Introduction to relational databases/SQL • Online: Python for data science and machine learning (Udemy)	
Certificates	ETS GRE – Quantitative Reasoning: 170/170; Verbal Reasoning: 166/170; Analytical Writing: 4.0 ETS TOEFL iBT – Grade 119/120	
Language	Italian (native), English (highly fluent), German (basic), Spanish (basic)	
Other	• Long and diversified experience with Office (Word, Excel, Power Point) and iWork packages • Basic knowledge of open-source Geographic Information System software (Grass, QuantumGIS) • Proficient in survey design and management on Survey Solutions (World Bank) • Occasional user of photo editing applications (Adobe Photoshop / Lightroom)	