

Giacomo Mason

Data Scientist and Applied Economist

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Key Skills

- Economist and data scientist with over four years industry experience and six years research record
- PhD-level foundations in econometric modelling, causal inference, statistics, and machine learning
- Diverse range of practical applications, from survey data to natural language
- Data cleaning, analysis, and modelling using multiple programming languages (Python, R, Stata)
- Experience communicating technical findings and visualisations to internal and external stakeholders

Recent Experience

- 2022 – pres. **Senior Data Scientist**
Deliveroo – London, UK
- Working across two teams: Experimentation and Measurement, Consumer Behaviour Science.
 - Maintaining and developing experimentation infrastructure.
 - Focus on customer lifetime value estimation.
- 2019 – 2022 **Data Scientist**
Data, Technology, and Analytics Unit – Competition and Markets Authority – London, UK
- Delivered an automated document ingestion pipeline to enhance document review in competition cases.
 - Worked on the CMA's landmark study on [Online Platforms and Digital Advertising](#), overseeing the big-data empirical analysis for the study. Authored the [econometric analysis](#) of a large RCT by Google.
 - *Other projects:* network modelling of company ownership relationships, network analysis of deceptive online reviews, automated scraping and analysis of social media content.
 - *Technical skills:* network analysis; large-scale webscraping; data pipelines; machine/deep learning for NLP; collaborative software development; code review.
 - Member of the Civil Service [Digital, Data, and Technology \(DDaT\)](#) profession.
- 2014 – 2019 **Research Consultant**
Institute for Fiscal Studies – London, UK / Oxford Policy Management – Oxford, UK
- Evaluation of the Child Development Grant Programme, a clustered RCT in northern Nigeria.
 - Led the design of the household survey, and the entire data analysis process.
 - *Technical skills:* survey programming, data cleaning, causal inference with panel data, visualisation.
- 2014 – 2019 **PhD Researcher, Economics**
University College London – London, UK
- Supervisors: Prof. Orazio Attanasio, Prof. Gabriella Conti. Main projects: *Inequality in early-life socio-emotional skills: a cross-cohort comparison; The impacts of a pregnancy lifestyle intervention on maternal outcomes; Estimating health production functions: a control function approach*
 - *Technical skills:* 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 **Private Tutor** – *TheProfs – London, UK*
- 2015 – 2018 **Postgraduate Teaching Assistant** – *University College London, Dept. of Economics – London, UK*
- 2013 **Health Economics Junior Researcher** – *International Renal Research Institute (IRRI) – Vicenza, IT*
- Previously Junior business analyst, research assistant, event photographer

Publications	
2021	<i>The Impacts of a Multifaceted Pre-natal Intervention on Human Capital Accumulation in Early Life</i> w. P. Carneiro, L. Kraftman, L. Moore, I. Rasul, M. Scott. American Economic Review 111 (8): 2506-49.
2020	<i>Inequality in Socio-Emotional Skills: A Cross-Cohort Comparison</i> w. O. Attanasio, R. Blundell, G. Conti. Journal of Public Economics , 191
2019	<i>The Developmental Origins of Health Inequality</i> w. G. Conti, S. Poupakis. Oxford Research Encyclopedia of Health Economics (OUP)
Education	
2013 – 2019	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
2010 - 2012	MSc Economics and Finance (<i>cum laude</i>) – University of Padua, School of Economics and BA Dissertation: <i>Distance From Markets And Consumption Inequality: Evidence From Rural Lagos</i>
2007 - 2010	BSc Economics and Business (<i>cum laude</i>) – University of Padua, School of Economics and BA LLP / Erasmus Programme – Copenhagen Business School, Denmark Intl' Summer Program in Management – University of Michigan, Ann Arbor, MI Dissertation: <i>An Essay on Growth and Inequality</i>
Volunteering	
2017 – pres.	Director – <i>Unseen Tours – Walking tours with Londoners affected by homelessness – London, UK</i> <ul style="list-style-type: none"> Social enterprise in the tourism sector, organising guided walks of London Various product and business development tasks
Skills	
Software	<ul style="list-style-type: none"> R – data cleaning, analysis, visualisation, statistical modelling <i>Advanced</i> Python – web scraping, machine and deep learning, NLP <i>Advanced</i> Stata – data cleaning, econometric modelling, visualisation <i>Advanced</i> Git/GitHub – version control and collaboration <i>Advanced</i> Unix, SQL, Matlab, Julia <i>Basic</i>
Training courses	<ul style="list-style-type: none"> 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: Adaptive modelling of complex data, Introduction to relational databases/SQL Online: Python for data science and machine learning (Udemy), Deep Learning for NLP (Stanford), Intro to Deep Learning with PyTorch (Udacity), Social and Economic Networks (Coursera)
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 (professional), German (v basic), Spanish (v basic), Levantine Arabic (v basic)
Other	<ul style="list-style-type: none"> Amateur digital and film photographer, proficient at photo editing (Lightroom / Capture One) Podcaster at Tiriamò a Campari (in Italian), a current affairs show