

Fabio I. Martinenghi

Last updated: April 29, 2026
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Fields of Interest

Health Economics; Education; Law & Economics.

Employment

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| Oct 2024- | Research Fellow, MandEval
University of Newcastle & University of Western Australia
◊ Studying the impact of vaccine mandates on uptake using Australian administrative data (AIR-PLIDA). |
| Sept 2021-
Sept 2024 | Research Associate, Economics of Education Knowledge Hub
University of New South Wales, Sydney, NSW
◊ Worked on academic and non-academic projects using NSW Education administrative data. |

Other positions & Affiliations

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| Apr 2024- | Honorary Associate Lecturer
University of New South Wales (UNSW). |
| Aug 2023- | Affiliate, Tax and Transfer Policy Institute
Crawford School of Public Policy, Australian National University, ACT. |
| May 2023- | Investigator, NHMRC grant: APP1127437.
National Perinatal Epidemiology and Statistics Unit,
Centre for Big Data Research in Health, UNSW |
| Oct 2020- | Affiliate, Australian Research Council (ARC) Centre of Excellence for Children and Families over the Life Course
Universities of Sydney, Melbourne, Queensland and Western Australia. |

Education

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| 2018–2020 | Visiting Scholar, University of New South Wales, NSW
◊ Awarded with Tuition Fee Scholarship. |
| 2016–2020 | Ph.D. in Economics, University of Milan, ITA.
Thesis: <i>Essays in Policy Evaluation.</i>
◊ Research topics: Applied Micro, Law & Economics |
| Jan 2018 | IRVAPP Winter School, Advanced Methods in Impact Evaluation.
Topics: <i>Discontinuities, Causality and Machine Learning, Instrumental Variables.</i> |

2014–2016	MSc in Economics, University of Nottingham, UK.
2011–2014	Undergraduate Degree (<i>Cum Laude</i>) in Philosophy, Università Cattolica del Sacro Cuore, Italy. Dissertation: <i>Measurement and Modelling in Economics: An Epistemological Perspective</i> .

Working Papers

Legal aid eligibility and court outcomes: a design-based double-machine-learning approach - *Forthcoming, The Journal of Law & Economics* - (TTPI WP link)

◊ Takes a double-machine-learning approach with administrative data on Legal Aid applicants to estimate the effect of aid refusal on court outcomes.

Pull-Forward and Induced Vaccination Under Time-Limited Mandates: Evidence from a Low-Coercion Mandate, *lead author, with Genie, M., Attwell, K., and other MandEval team members* - (arXiv) - *submitted*

◊ Studies the impact of a novel COVID-19 vaccine mandate targeting graduating high-school students. A daily panel of linked administrative data (AIR-PLIDA) allows RDD to run dynamically, decomposing the overall effect into pull-forward and induction components. Develops a toy model for external validity.

Career, Family, and IVF: The Impact of Involuntary Childlessness and Fertility Treatment, *with Maryam Naghsh Nejad* - (IZA WP link)

◊ Takes a dynamic triple DID approach to study the impacts of childlessness and going through in vitro fertilisation on women's income and mental health, using Australian administrative data.

Conceiving after IVF: the effect of an ART conception on obstetric outcomes, *with Zhang, X., Rombauts, L., and Chambers, G.* - (link)

◊ Leverages idiosyncratic in remaining pregnant spontaneously after a failed assisted reproduction technology (ART) cycle to estimate the effect of ART on outcomes such as c-section and birth weight, using Australian administrative data (ANZARD)

Getting Explicit Instruction Right, *with Richard Holden* - *submitted* - (link)

◊ Studies the dramatic effect of a public New South Wales school introducing the Explicit Instruction pedagogy using synthetic control methods on administrative school data.

An open repository of COVID-19 vaccine mandate studies with a worked scoping review of quasi-experimental evidence, *lead author, with Blyth, C., and other MandEval team members* - Published in *npj Vaccines* (2026) - (link)

◊ Presents a dataset covering the whole literature on COVID-19 mandates literature. This includes more than 500 papers, manually selected by the team and from which data was extracted by an LLM. It then provides a review of the quasi-experimental literature on the effect of such mandates on uptake and downstream social and health outcomes as an example on how to use the dataset.

Grandmaternal health shocks, informal childcare, and maternal outcomes, with Jan Kabatek - *in progress*

◇ Studies the effect of grandmaternal acute health episodes, as identified by the use of selected PBS drugs, on the labour outcomes of mothers with children aged between zero and four years.

Teaching Experience

2021	Lecturer-in-Charge of <i>Environmental Economics</i> University of New South Wales, Sydney, NSW
2021	Teaching Assistant for <i>Business Decision Making</i> University of New South Wales, Sydney, NSW
2021	Teaching Assistant for <i>Game Theory & Business Strategy</i> University of New South Wales, Sydney, NSW
2020	Lecturer-in-Charge of <i>Business and Government</i> . University of New South Wales, Sydney, NSW
2020	Teaching Assistant for <i>Game Theory & Business Strategy</i> . University of New South Wales, Sydney, NSW
2019-2020	Lecturer of <i>Economics Perspectives</i> . University of New South Wales, Sydney, NSW
2017	Teaching Assistant for <i>Advanced Industrial Organisation</i> . University of Milan, Milan, Italy

Conferences and Invited Seminars

American-European Health Economics Study Group - Australasian Workshop on Econometrics and Health Economics - Invited seminar at CLEAN, Bocconi - STEP UP Conference - 'What Works in Education?' - Australian Workshop on Public Finance - Labour Econometrics Workshop - Western Economic Association International Conference.

Technical Skills

R (incl. {arrow, duckdb} packages for handling data larger-than-memory), Stata, Python, SQL.

Other

- ◇ Refereeing experience for *Empirical Economics* and *Health Policy & Technology*.
- ◇ Mentee at *SOLE Mentoring Program* under Amanda Pallais (Harvard) and Basit Zafar (University of Michigan).

References

Available on request.