Tom Boesche

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Work Experience

University of Maryland, College Park, USA   08/2021–05/2024

Research assistant   09/2023–05/2024
- Supervisor: Professor S. Borağan Aruoba
- Collected, processed and analysed diverse time series in R, Julia, MATLAB, and EViews. Coded changes to economic models in Julia and MATLAB. Visualised results for the consumption of my supervisor and his co-authors, and for publication. Proved mathematical results and argued in favour of methodological steps. Clearly communicated results of my independent work to my supervisor.

Course instructor   07–08/2023 & 01/2024
- Independently designed and taught a *Principles of Macroeconomics* course during Summer 2023 and Winter 2024. Created beamer slides, discussion prompts, and exams for a semester-long course. Gave twelve lectures of two hours each to 70 students in total. Graded all assignments and held office hours for students.

Teaching assistant   08/2023–05/2023
- Communicated with students and held office hours for *Principles of Macroeconomics* and *Intermediate Macroeconomics*. Organised make-up exams for students who missed exams. Created R scripts to provide analytics on exam performance.

JP Beteiligungs-Gesellschaft mbH, Hamburg, Germany   08/2018–08/2019 & 01–07/2021

Analyst in real estate mezzanine finance
- Collaborated closely with a small team in rapid mezzanine loan origination. Contributed significantly to the improvement and standardization of flexible templates for term sheets and loan contracts.
- Independently researched a memo on financial regulations regarding different loan origination vehicles, trigging change in standard practice. Participated in negotiations with developers and local administrations.

Education

University of Maryland, College Park, USA   08/2021–05/2024

MA Economics
- Passed the first-year PhD sequences in macroeconomics, microeconomics, and econometrics. Completed all required field courses for the PhD programme: Computational macroeconomics, time series econometrics, behavioural macroeconomics, structural estimation in industrial organization, financial frictions in macroeconomics, machine learning in economics.
- Award for the Python implementation of machine-learning estimators of treatment effects.

London School of Economics and Political Science, London, UK

MSc Economics with distinction   09/2019–09/2020
- Extended essay: A simple TANK model with endogenous credit constraint qualitatively replicated the asymmetric response to changes in credit conditions. Decomposed consumption heterogeneity into markup cyclicality and changes in asset holdings.
- Excellence in Macroeconomics Award for outstanding contribution to the debate of real-world macroeconomic issues.

BSc Philosophy and Economics with first class honours   10/2014–06/2018
- Dissertation on quasi-experiments for causal estimation published by a top peer-reviewed journal in the philosophy of science.

Skills

General Computing	Coding	Languages
LaTeX	R, Julia	German (native)
Microsoft Office	MATLAB, Python	English (fluent)
Linux command line	Rust, MySQL	Latin (intermediate)
	EViews, PHP HTML	Russian (beginner)

Peer-Reviewed Publication

Boesche, T., 2022. "Reassessing quasi-experiments: policy evaluation, induction, and SUTVA." *The British Journal for the Philosophy of Science.*

Extracurricular Activities

Referee, The British Journal for the Philosophy of Science   08/2020–
- Write anonymous referee reports for editors on submissions related to the philosophy of economics, as part of the journal's triple-blind review process.

Economics reviewer, NYU Journal of Legislation and Public Policy   10/2019–05/2020
- Reviewed empirical research designs of submissions and advised editors on improvements.