Onur Eryilmaz

CONTACT
INFORMATION

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EDUCATION

Ph.D. in Economics   09/2020–12/2024
ETH Zurich

- Strong background in econometrics, causal inference, and machine learning methods, with applications to labor economics, population aging, and portfolio choice
- Developed robust data pipelines, ensured data integrity, and implemented efficient data processing workflows to handle complex, multi-dimensional datasets.
- Co-managed four collaborative research projects, taking charge of data acquisition, methodological implementation, and results interpretation. Partnered with a major Swiss pension fund, and translated business queries into structured analytical approaches
- Presented research findings at international conferences and to diverse stakeholders, including academic peers, and industry professionals. Authored public preprints.

M.Sc. in Economics   09/2016–12/2019
University of Mannheim, Germany

- Specialized in applied econometrics, focusing on quasi-experimental methods and RCTs
- Advanced courses in macroeconomic theory, income and wealth inequality, international trade
- Completed courses in statistical learning theory (model fit, cross-validation, regularization)

B.Sc. in Management and Economics   09/2012–11/2015
University of Innsbruck, Austria

- Received the "Top Performer" award for outstanding professional competence, and soft skills
- Courses in macroeconomic theory, time-series analysis, international trade

PROFESSIONAL
EXPERIENCE

Doctoral Researcher   09/2020 – 09/2024
Chair of Integrative Risk Management and Economics, ETH Zurich

- Conceptualized and co-organized a three-day workshop on population aging and its economic impacts with academic presenters from 7 countries, and industry speakers from Switzerland
- Designed and taught tutorial sessions to effectively communicate complex concepts to students with heterogeneous quantitative skills (avg. 80 students per year)

Junior Researcher (Pre-Doc)   01/2020 – 08/2020
Chair of Human Resource Management, Goethe University Frankfurt (Germany)

- Collaborated with a postdoc to design and conduct econometric analyses in 2 projects using Texan voter registration data and German survey data
- Acquired and processed a data set of over 1 million academic papers using NLP algorithms (GloVe, WEAT) in Python, producing preliminary results on gender-biased language patterns.

Research Assistant   06/2018 – 09/2018
German Institute for Economic Research (DIW), Germany

- Formulated and tested hypotheses on the effects of climate change on Mongolian households
- Prepared a comprehensive data set for analysis using various sources

Research Assistant   **12/2016 – 09/2018**
Chair of Econometrics, University of Mannheim, Germany

- Edited and provided feedback on several working papers to ensure clarity and accuracy
- Ensured data quality and accuracy in field data collection for multiple randomized control trials

Junior Research Manager   **06/2017 – 08/2017**
Center for Evaluation and Development (C4ED), Germany

- Contributed significantly to two large-scale impact evaluations for UNICEF's "Improving Adolescent Lives in South Asia" initiative, gaining hands-on experience in conducting impact evaluations
- Formulated questions for the in-field data collection questionnaires
- Improved operational documents and pre-analysis plans, making them more accessible to a broader audience

Quantitative Market Researcher   **07/2015 – 12/2015**
Siemens Building Technologies (Austria)

- Conducted market analyses using internal and proprietary data (Moody's Analytics)
- Developed a software tool to centralize client and market data (SQL, VBA) in collaboration with an IT specialist for the sales department and regional manager
- Translated data analysis into actionable business decisions to guide strategic decisions
- Successfully pitched the tool to other Siemens divisions

SOFTWARE
- **R** (Expert): e.g., tidyverse, data.table, lightgbm, future, furrr, fixest, did, rdrobust, ggplot, shiny
- **Python** (Intermediate): e.g., pandas, numpy, matplotlib, lightgbm, scikit-learn, econml, seaborn
- **SQL** (Beginner)
- **Stata** (Expert)
- **LaTeX** (Expert)
- **Git** (Beginner)

LANGUAGES   **German** (Native) ■ **Turkish** (Native) ■ **English** (C2) ■ **French** (B1)

SELECTED
PRESENTATIONS
2024: 2nd CEPR Conference in Health Economics (Toulouse) ■ Annual Conference of the International Association for Applied Econometrics (Thessaloniki) ■ 38th Meeting of the European Economic Association (Rotterdam)
2023: CER-ETH Brown Bag Lunch Seminar (Zurich) ■ The Microeconomics of Aging (Zurich)
2022: Central Bank of Malaysia Research Seminar (remote)
2021: CEPAR 29th Colloquium on Pensions and Retirement Research (remote)
2020: CER-ETH Brown Bag Lunch Seminar (remote) ■ Annual Meeting of the Verein für Sozialpolitik (remote)