

MINH-TRI HOANG

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EDUCATION

Master of Science in Economics, University of Bonn. 2020 - 2023 (expected)
Major: Microeconomic Theory, Econometrics and Statistics. Bonn, Germany
Subjects: Mathematics, Computational Statistics, Econometrics, Effective Programming Practices for Economists.

Pre-Master's Program in Economics, Center for Advanced Studies in Economics and Data Science.
Subjects: Optimization, Microeconomics, Macroeconomics, Econometrics. Hanoi, Vietnam
GPA: **16.9/20** - Degree classification: Very Good.

Degree of Bachelor in International Economics, Vietnam National University.
Subjects: Advanced Mathematics, Probability and Statistics, Econometrics, Macroeconomics. Hanoi, Vietnam
GPA: **3.39/4.0** - Degree classification: Distinction.

AWARDS

IANA Scholarship for Excellence, Pre-Master's Program in Economics. 2020
The 3rd Prize of the Student Research Competition, Vietnam National University (top **3%**). 2015
Merit-Based Scholarship of the Yamada Foundation, Japan (top **3%**). 2015
Rector's Merit Award of the VNU University of Economics and Business (top **10%**). 2014

WORK EXPERIENCE

Research Assistant, MacroFinance and MacroHistory Lab, University of Bonn. 2021 - Present
Project: Linking National and Regional Income Inequality: Cross-Country Data Harmonization and Analysis.
- Applied imputation methods for top-coded/right-censored wages to measure income inequality in Germany.
- Provided support in data analysis and statistical simulation, required usage of Python, R, and Stata.

Researcher, Development and Policies Research Center, Hanoi. 2017 - 2020
- Created statistical simulations and developed forecasting models to predict Vietnam's macroeconomic indicators.
- Wrote SQL, R, and Stata programs to conduct web scraping, data analysis, and data visualization.
- Designed data collection platforms in KoboToolbox and CSPro to manage and monitor surveys in real time.

Research Assistant, Center for Agricultural Policy, Hanoi. 2016 - 2017
- Provided support in data collection and data analysis for projects on climate change adaptation in Vietnam.
- Built econometric models for panel data to conduct impact evaluations of free trade agreements to the economy.

PROJECTS

Computational Statistics - Grade: **1.0/1.0**. 2022
- Adopted functional programming in R to set up Monte Carlo simulations and make performance comparison between post-single and post-double selections with Lasso in high-dimensional settings.

OSE Data Science - Grade: **1.7/1.0**. 2021
- Used `statsmodels`, `linearmodels`, and `geopandas` in Python to build econometric models, set up bootstrap simulations, and create choropleth maps to investigate the role of sex ratio in assortative matching in France.

SKILLS

Languages	Vietnamese (native), English (fluent), German (basic)
Programming	Python (intermediate), R (intermediate), SQL (intermediate), Git (intermediate) Stata (advanced), Matlab (intermediate), C/C++ (basic), \LaTeX (basic)