

MARIA NAREKLISHVILI

CONTACT INFORMATION

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PERSONAL INFORMATION

Citizenship: Georgian
Born: 30.07.1994

RESEARCH INTERESTS

Causal Structural Methods, Machine Learning, Econometrics

EDUCATION

2021 – 2022	Ph.D. Economics, Visiting Student Researcher, University of Chicago
2018 – 2022	Ph.D. Economics, University of Oslo Thesis topic: <i>Structural Networks in Cross-Correlated Observational Data.</i> Supervisors: Knut Røed (Ragnar Frisch Centre for Economic Research), Edwin Leuven (Department of Economics, University of Oslo)
2016 – 2018	M.Phil. Economics, University of Oslo Frisch Scholarship Scholarship in Advanced Research and Methods
2012 – 2016	B.A. Business Administration, Østfold University College and Tbilisi State University

PROFESSIONAL EXPERIENCE

2017 – 2018	Teaching Assistant – ECON4120 – Calculus and Linear Algebra 2
2017 – 2018	Teaching Assistant – ECON2610 - Welfare and Trade
2015 – 2016	Research Assistant – Østfold University College

PRESENTATIONS AND TALKS

2021	European Society for Population Economics (ESPE conference)
2021	European Association of Labor Economics (EALE conference)
2020	Statistics Norway, Research Seminar
2020	University of Oslo, Ph.D. Seminar
2020	STEM Talks (International Society of Georgian Scientists) [Link , in Georgian]
2018, 2019, 2020	Ragnar Frisch Centre of Economic Research, Research Seminar

WORKING PAPERS

1. The Inclusive Instrumental Variable Approach: Applications to Family Background Variables as Instruments for Education
2. Multi-Layered Ensemble Networks (with Marius Geitle)
3. Uncertain Exclusion Restriction in the Bayesian Quantile Regression
4. Overeducation and the Occupational Mismatch in the Labor Market (with Knut Røed and Simen Markussen)
5. Oil Price Shock and Low-Carbon Transition (with Elisabeth Isaksen & Cloe Garnache)

STATISTICS AND COURSES

[STK-IN4300](#) Statistical Learning Methods in Data Science

[FYS-STK4155](#) Applied Data analysis and Machine Learning

- Project 1: Penalized Regression and Classification Methods [[Link](#)]
- Project 2: Neural Networks in MNIST handwritten digit classification [[Link](#)]
- Project 3: Ensemble Methods and Neural Networks in Eye-State Classification [[Link](#)]

[STK4021](#) Applied Bayesian Analysis

[STK9190](#) Bayesian Nonparametrics

[ECON5106](#) Advanced Applied Econometrics

SOFTWARE

R – e.g., ggplot2, dplyr, plyr, stringr, tidyr, data.table, rstan

Python – e.g., NumPy, pandas, scikit-learn, keras, TensorFlow, matplotlib

SQL – e.g., joins, unions, aggregate functions, sub-queries

Stata, Octave – Basics

LaTeX

LANGUAGES

English – Proficient

Norwegian – B2, Bergenstesten Bestått

Russian – Proficient

Georgian – Native

REFERENCES

Nils Christian Framstad – Professor of Mathematics, Department of Economics, n.c.framstad@econ.uio.no

Jim Savage – Senior Manager, Data Science, Schmidt Futures, javage@gmail.com