GABRIEL OKASA

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Education

University of St.Gallen Doctoral Degree in Economics and Finance, PhD.	February 2017 - February 2022 St.Gallen, Switzerland
 Thesis: Essays in Predictive and Causal Machine Learning Specialization: causal inference and econometrics Supervisor: Prof. Dr. Michael Lechner 	
Vienna University of Economics and Business Master Degree in Economics, MSc.	October 2014 - November 2016 Vienna, Austria
 Thesis: Analysis of Inflation Persistence under Model Uncert Specialization: empirical economics and applied econometrics Exchange: Free University of Berlin 	ainty 5
Comenius University in Bratislava Bachelor Degree in Management, Bc.	September 2011 - June 2014 Bratislava, Slovakia
 Thesis: Analysis of Factors affecting State Fiscal Policy Specialization: international management and economics Exchange: Upper Austria University of Applied Sciences 	
Experience	
Swiss Federal Institute of Technology in Lausanne Postdoctoral Researcher	September 2021 - Present Lausanne, Switzerland
 Research in econometrics, data science and robust machine le Teaching of courses in data science and computational method Statistical software development in Python 	earning ods
Swiss Institute for Empirical Economic Research Research Assistant	February 2017 - July 2021 St.Gallen, Switzerland
 Research in econometrics, predictive and causal machine lear Statistical software development, code optimization and testi Teaching assistance in econometrics and programming course 	rning ng es
ifo Institute for Economic Research Research Intern	October 2016 - January 2017 Dresden, Germany
 Involvement in empirical research in public economics Forecasting of economic activity and preparation of reports Data preparation and estimation of econometric models 	
Erste Asset Management Summer Intern	July 2016 - September 2016 Vienna, Austria
 Involvement in operational risk management division Risk evaluation and preparation of risk reports Programming and automation of data processing 	

Working Papers

- · Meta-Learners for Estimation of Causal Effects: Finite Sample Cross-Fit Performance, 2022, arXiv preprint arXiv:2201.12692, available online, single-authored
- The Effect of Sport in Online Dating: Evidence from Causal Machine Learning, 2021, arXiv preprint arXiv:2104.04601, available online, jointly with Daniel Boller and Michael Lechner
- · Random Forest Estimation of the Ordered Choice Model, 2019, arXiv preprint arXiv:1907.02436, available online, jointly with Michael Lechner
- Predicting Match Outcomes in Football by an Ordered Forest Estimator, 2018, Economics Working Paper Series 1811, University of St. Gallen, School of Economics and Political Science, available online, jointly with Daniel Goller, Michael Knaus and Michael Lechner

Policy Papers

· Die gesamtwirtschaftliche Lage im 3. Quartal 2016, Vierteljährliche Konjunkturberichterstattung für das Land Sachsen-Anhalt, ifo Institut Niederlassung Dresden, available online, jointly with Jannik A. Nauerth, Joachim Ragnitz and Michael Weber

Statistical Software

 \cdot orf: Ordered Random Forests, 2019, $CRAN\ R$ package version 0.1.3, available online from CRAN repository, jointly with Michael Lechner

Presentations

- · Young Swiss Economist Meeting (2022), ETH Zürich, Switzerland (video recording)
- · Research Seminar in Health Sciences (2021), University of Lucerne, Switzerland (invited)
- · GESIS Spring Seminar (2021), Leibniz Institute for the Social Sciences, Cologne, Germany
- · Causal Machine Learning Workshop (2020), University of St.Gallen, Switzerland
- · Young Swiss Economist Meeting (2020), ETH Zürich, Switzerland
- · European R User Meeting (2020), Polytechnic University of Milan, Italy (video recording)
- · German Statistical Week (2019), University of Trier, Germany
- · Statistics of Machine Learning (2019), Charles University in Prague, Czech Republic

TEACHING

Bachelor, Master, PhD and Executive Courses

- · Data Science for Managers (Executive, Fall 2021), EPFL
- · Computational Research Methods for the Social Sciences (PhD, Fall 2021), EPFL
- · Causal Machine Learning (PhD, Spring 2021), GESIS Leibniz Institute for the Social Sciences
- · Microeconometrics (MA: Spring 2018, 2019, 2020, 2021), University of St.Gallen
- · Predictive & Causal Econometrics (MA, Fall 2020, Spring 2021), University of St.Gallen
- · Data Analytics: Statistical Programming (BA: Fall 2018, 2019), University of St.Gallen
- · Public Sector Economics (MA: Fall 2015, Spring 2016), WU Vienna

Skills

Programming & Languages

- \cdot R =, Python =, C++ =, Gauss =, Stata =, VBA =, SQL =, Git =, IAT_EX =, MS Office =, Linux =
- · Slovak (native), German (fluent, written and spoken), English (fluent, written and spoken)

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