Joël Robert Terschuur

Contact Information

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Education

Ph.D. in Economics, *Universidad Carlos III de Madrid*	2020-Currently
Master in Economic Analysis, *Universidad Carlos III de Madrid*	2018-2020
Master in Economics and Finance, *Barcelona Graduate School of Economics*	2017-2018
Bachelor in Economics, *University of Utrecht*	2013-2016

Academic Visits

Visiting Ph.D. Student, *Brown University*, United States.	Spring 2023

References

Juan Carlos Escanciano	Toru Kitagawa	Miguel Ángel Delgado
Universidad Carlos III	Brown University	Universidad Carlos III
jescanci@eco.uc3m.es	toru_kitagawa@brown.edu	delgado@est-econ.uc3m.es

Research Interests

Semiparametric inference, Machine Learning, Inequality of Opportunity

Job Market Paper

"Locally Robust Policy Learning: Inequality, Inequality of Opportunity and Intergenerational Mobility"

Abstract: Policy makers need to decide whether to treat or not to treat different individuals. The optimal choice depends on the welfare function that the policy maker has in mind. I study a general setting for policy learning with general semiparametric Social Welfare Functions (SWFs), possibly defined by semiparametric U-statistics, which accomodate a wide range of distributional preferences. I use locally robust/orthogonal scores to provide strong statistical guarantees for the estimated policy rules even in observational settings where the propensity score is unkown. This work expands previous results in Athey and Wager (2021). Three main applications of the general theory motivate the paper: (i) Inequality aware SWFs, (ii) Inequality of Opportunity aware SWFs and (iii) Intergenerational Mobility SWFs. I use the Panel Study of Income Dynamics (PSID) to asses the effect of attending preschool on adult earnings and estimate optimal policy rules based on parental years of education and parental income.

Working Papers

"Machine Learning Inference on Inequality of Opportunity", with Juan Carlos Escanciano, R&R at Review of Economic Studies.

"Educational Inequality of Opportunity and Mobility in Europe".

Books

Causal Inference and Machine Learning: A Locally Robust Approach, with Juan Carlos Escanciano (forthcoming, Taylor & Francis Group).

Teaching Assistant Experience

Universidad Carlos III de Madrid

Econometrics I (Master in Economic Analysis, Ph.D. Program)	2020,2021,2022
Microeconometrics (Master in Industrial Economics and Markets)	2022
Mathematics for Economics II (Undergraduate)	2022
Introduction to Statistics (Master in Economic Analysis, Ph.D. Program)	2020, 2021
Econometrics (Undergraduate)	2020, 2021
Applied Economics (Master in Economic Analysis, Ph.D. Program)	2020
Quantitative Microeconomics (Undergraduate)	2019
Introduction to Mathematics for Economists (Undergraduate)	2019

Research Assistant Experience

Universidad Complutense de Madrid

Research assistant to Juan Gabriel Rodríguez	2017, 2018

Referee

Journal of Business & Economic Statistics

Conferences, Seminars, Workshops and others

ifo Conference on Understanding Socio-Economic Inequalities with Novel Data and Methods 2024
3rd International Econometrics PhD Conference at Erasmus University Rotterdam 2023
Tenth Meeting of the Society for the Study of Economic Inequality (ECINEQ) 2023
UC3M PhD Workshop 2020, 2021, 2022, 2023
SAEe 2022
8th Annual Conference of the International Association for Applied Econometrics (IAAE) 2022
Econometric Games 2021, 2022 (final)
ENTER Seminar at Mannheim University 2022
Workshop on High-Dimensional Data Analysis (UC3M) 2021

Other

Languages: Spanish (Native), German (Intermediate), English (Fluent), Dutch (Basic)
Computer: Stata, MATLAB, R, LaTeX, Git.