

# Gabriela Miyazato Szini

Citizenships: Brazilian and Hungarian

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## EMPLOYMENT

### Tilburg University

*Assistant Professor*

Tilburg, the Netherlands

*Sep 2024 – current*

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## EDUCATION

### University of Amsterdam

*PhD in Econometrics*

*Advisors: Prof. Dr. Frank Kleibergen and Dr. Artūras Juodis*

Amsterdam, the Netherlands

*Sep 2020 – Jun 2024*

### Princeton University

*Research visit (Visiting Student Research Collaborator)*

*Host: Prof. Dr. Bo Honoré*

*Visit partly sponsored by the Department of Economics at Princeton University*

Princeton, USA

*Jan 2023 – May 2023*

### Tinbergen Institute

*MPhil in Economics (Advanced Econometrics Track)*

*Relevant coursework (non extensive list):* Advanced Econometrics I-III, Asymptotic Theory, Advanced Microeconometrics, Applied Microeconometrics, Economics of Networks, Bayesian Econometrics, Advanced Time Series Econometrics, Supervised Machine Learning, Unsupervised Machine Learning, Advanced Game Theory, Economics of Education, Spatial Economics

Amsterdam, the Netherlands

*Sep 2018 - Aug 2020*

### Toulouse School of Economics

*M1 in Economics (equivalent to one year MSc)*

*Incigni cum Laude*

Toulouse, France

*Sep 2016 – Jun 2017*

### São Paulo School of Economics (Fundação Getulio Vargas)

*BSc in Economics*

São Paulo, Brazil

*Jan 2010 – Dec 2014*

### University of Amsterdam

*Exchange semester*

Amsterdam, the Netherlands

*Sep 2013 – Jan 2014*

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## REFERENCES

### Prof. Dr. Frank Kleibergen

Professor of Econometrics

University of Amsterdam

Roetersstraat 11

Room number: 4.31

1018 WB Amsterdam, The Netherlands

[F.R.Kleibergen@uva.nl](mailto:F.R.Kleibergen@uva.nl)

### Prof. Dr. Bo Honoré

Professor of Economics

Princeton University

Julis Romo Rabinowitz Building

Princeton, NJ 08544, USA

[honore@princeton.edu](mailto:honore@princeton.edu)

## Dr. Artūras Juodis

Associate Professor of Econometrics  
University of Amsterdam  
Roetersstraat 11  
1018 WB Amsterdam, The Netherlands  
[a.juodis@uva.nl](mailto:a.juodis@uva.nl)

## RESEARCH

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*Primary fields:* Econometrics.

*Secondary fields:* (Pseudo-)panel data, econometrics of network models, distribution regression, estimation of treatment effects.

### Job Market Paper (Working Paper)

“A Pairwise Differencing Distribution Regression Approach for Network Models”, 2023. [Download paper](#).

*Abstract:* This paper proposes a novel estimation method for distribution regressions in a network setting, considering the effects of covariates on the entire outcome distribution rather than just on the mean. I adopt a semiparametric approach, taking into account two-way unit-specific effects that are treated as fixed parameters to be estimated. Thus, I extend the standard distribution regression approach to a network setting by estimating multiple binary choice models with twoway fixed effects for different thresholds of the distribution. Instead of using bias-correction methods to address the incidental parameter problem, as previously proposed in the literature, I propose to employ a conditional maximum-likelihood approach (Charbonneau (2017), Jochmans (2018)) that differentiates out the unit-specific effects. This method yields consistent point estimates that converge at a parametric rate and remain asymptotically unbiased in the tails of the outcome distribution, where the underlying network can be seen as sparse. Monte Carlo simulations validate these findings for both single cut-offs and the overall outcome distribution. The empirical application focuses on gravity equations for bilateral trade, demonstrating the effectiveness of the proposed approach in cases where the outcome variable is bounded below at zero.

### Other Working Papers

“On the Use of the Synthetic Difference-in-Differences Approach with(-out) Covariates: The Case Study of the Brexit Referendum” (with Artūras Juodis and Esther de Brabander), 2023. *R&R Econometric Reviews*.  
[Download paper](#).

“On the Use of U-statistics for Linear Dyadic Interaction Models”, 2023. *Preprint available at [arXiv](#)*.

### Work in Progress

“Bounds on Average Effects in Network Formation Models” (with Cavit Pakel).

## ACADEMIC EXPERIENCE

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### European Central Bank (Financial Research Division)

*Student Research Assistant*

Frankfurt, Germany

*Jul 2017 – Jul 2018*

### University College London

*Research Assistant for Prof. Dr. Áureo de Paula*

London, UK

*May 2017 – Jun 2017*

### Center of Applied Microeconomics (Fundação Getúlio Vargas)

*Research Assistant for Prof. Dr. Sérgio Firpo and Dr. Vladimir Ponczek*

São Paulo, Brazil

*Jun 2011 – Mar 2012*

## TEACHING EXPERIENCE

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### University of Amsterdam

Econometric Analysis (Introductory course in Econometrics for BSc in Politics, Psychology Law, and Economics) • Fall 2023

Econometrics I (Introductory course in Econometrics for BSc in Economics) • Fall 2023, 2022, and 2021  
Applied (Financial) Econometrics (Intermediary course in Econometrics for MSc in Economics and MSc in Business Economics) • Fall 2020

Bachelor in Econometrics thesis supervision (x6) • 2021 and 2022

### Technical University of Munich

Summer School (PhD level course in Econometrics): Advanced Panel Data Econometrics • March 2023 •  
TA for Dr. Artūras Juodis

### Tinbergen Institute

Advanced Econometrics II (PhD level course for MPhil in Economics, Advanced Econometrics track) •  
Spring 2023, 2022 and 2020

Principles in Programming in Econometrics (Introductory level course in programming in Python for MPhil  
in Economics) • Fall 2019

### São Paulo School of Economics (Fundação Getulio Vargas)

Information Technology Laboratory (Introductory level course in programming in Matlab for BSc in  
Economics) • Spring 2011

## SEMINARS AND CONFERENCES

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**2024:** Aarhus Workshop in Econometrics V (scheduled, Denmark), University of Bristol (scheduled, UK),  
University of Exeter (scheduled, UK), Workshop on Causal Inference + Machine Learning (University of  
Groningen, the Netherlands), International Association for Applied Econometrics (Thessaloniki, Greece),  
Workshop on Recent Advances in Panel and Network Data (University of Oxford, UK), The University of  
Manchester (UK), Tilburg University (the Netherlands), The University of Queensland (Brisbane,  
Australia), University of Groningen (the Netherlands), Fordham University (New York, USA, Online),  
Erasmus University Rotterdam (the Netherlands), The University of Melbourne (Australia).

**2023:** Princeton University (PhD seminar, USA), Tinbergen Institute PhD Jamboree (Amsterdam, the  
Netherlands), The Netherlands Econometric Study Group (Erasmus University Rotterdam, the  
Netherlands), University of Amsterdam (PhD Lunch seminar, the Netherlands), Tinbergen Institute (PhD  
Lunch seminar, Amsterdam, the Netherlands), 28th International Panel Data Conference (University of  
Amsterdam, the Netherlands), Bristol Econometric Study Group Conference (University of Bristol, UK).

**2022:** The Netherlands Econometric Study Group (poster presentation, Groningen, the Netherlands), 27th  
International Panel Data Conference (Bertinoro, Italy), International Association for Applied Econometrics  
(King's College London, UK), Baltic Economic Conference (Kaunas University of Technology, Lithuania),  
University of São Paulo (Brazil), Workshop on Specification and Mis-specification Analysis in Cross-section  
and Panel Data (University of Amsterdam, the Netherlands)

**2021:** Brown Bag Econometrics Lunch Seminar (University of Amsterdam, the Netherlands), International  
Panel Data Conference (online)

## SUMMER OR SHORT COURSES

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### Econometrics on Networks

*Lecturer: Prof. Dr. Stephane Bonhomme*

Tinbergen Institute

*November 2022*

**Gravity Models and Panel Econometrics***Lecturer: Prof. Dr. Michael Pfaffermayr*

University of Bern

*September 2020***The Econometrics of Peer Effects and Social Interactions***Lecturers: Prof. Dr. Bryan Graham and Prof. Dr. Áureo de Paula*

Universities Mannheim and Bonn

*July 2019***Tools for Analyzing Big Data and Complex Models***Lecturer: Prof. Dr. Serena Ng*

Tinbergen Institute

*June 2019***Statistical Decision Theory for Treatment Choice and Prediction***Lecturers: Prof. Dr. Charles F. Manski and Prof. Dr. Aleksey Tetenov*

Cemmap (UCL)

*May 2017***PRIZES AND AWARDS**

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Henri J. Diesbergenfonds travel grant (2023)

Tinbergen Institute Scholarship (2018-2020)

Bronze Medal at the Brazilian National Physics Olympiad (2006)

Silver Medal at the Brazilian National Astronomy Olympiad (2005)

Bronze Medal at the Brazilian National Astronomy Olympiad (2002)

**SKILLS**

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**Languages:** Portuguese (native), English (fluent), French (beginner/intermediate), Dutch (beginner)**Programming:** Julia, R, Matlab, Stata, Python, and L<sup>A</sup>T<sub>E</sub>X**OTHER PROFESSIONAL ACTIVITIES**

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Economist, Tendências Consultoria Integrada (São Paulo, Brazil)

*2015-2016*

Economist, Votorantim Bank (São Paulo, Brazil)

*2014-2015*

Economist, Votorantim Brokerage House (São Paulo, Brazil)

*2012-2013*