Kamila Nowakowicz

Department of Economics
London School of Economics
Houghton Street
London WC2A 2AE
United Kingdom

k.nowakowicz@lse.ac.uk
kamilanowakowicz.com
+44 (0)74 7834 2721

GENDER: Female **CITIZENSHIP:** Polish, British

EDUCATION:

London School of Economics

PhD in Economics 2020-present

ADVISORS: Professor Javier Hidalgo, Professor Taisuke Otsu

THESIS TITLE: "Essays in Econometric Theory"

EXPECTED COMPLETION DATE: January 2025

MRes in Economics 2018-2020

MSc in Econometrics and Mathematical Economics 2017-2018

BSc in Econometrics and Mathematical Economics 2014-2017

DESIRED RESEARCH FIELDS:

Econometric Theory

DESIRED TEACHING FIELDS:

Econometric Theory, Applied Econometrics, Mathematics

WORKING PAPERS:

"Nonparametric network bootstrap" Job Market Paper, 2024

We propose a bootstrap procedure for network data based on a nonparametric linking function estimator. We characterise when the nonparametric linking function estimator is uniformly consistent. We provide conditions under which a class of functions related to U-statistics on the bootstrapped networks converge weakly in probability to the same limiting distribution as the corresponding statistics on the original network. We prove bootstrap consistency in the sense that a Wasserstein distance between the bootstrap network generating distribution and the true network generating distribution goes to zero in probability. Monte Carlo simulations show good confidence interval coverage for a wider class of network functions than are covered by our theory. An application to the data from Banerjee, Chandrasekhar, Duflo, and Jackson (2013) not only replicates their findings, but also shows that our method can be applied under weaker assumptions and smaller sample sizes. We propose an alternative specification of their model which takes advantage of our linking function estimator and may be of interest independently of our bootstrap procedure.

"Understanding regression shape changes through nonparametric testing" 2024
with Professor Tatiana Komarova

"Testing for additivity in nonparametric regression models" 2024
with Professor Javier Hidalgo and Professor Tatiana Komarova

REFERENCES:

Professor Javier Hidalgo
Department of Economics
London School of Economics
Houghton Street
London WC2A 2AE
f.j.hidalgo@lse.ac.uk

Professor Tatiana Komarova
Faculty of Economics
Austin Robinson Building
Sidgwick Avenue
Cambridge CB3 9DD
tk670@cam.ac.uk

Professor Taisuke Otsu
Department of Economics
London School of Economics
Houghton Street
London WC2A 2AE
t.otsu@lse.ac.uk

AWARDS AND SCHOLARSHIPS:

PhD Studentship, London School of Economics	2018–2022
Department of Mathematics New Teacher Prize, LSE Department of Mathematics	2020
Class Teacher Award, LSE Department of Economics	2018
CS MacTaggart Prize, London School of Economics	2017

PRESENTATIONS:

CeMMAP PhD Research Day (UCL)	September 2024
LSE Work-in-Progress Seminar	February 2023, March 2024

RELEVANT POSITIONS HELD:

Research Assistant to Professor Tatiana Komarova	2019

TEACHING:

London School of Economics

Teaching Fellow

EC484 Econometric Analysis (MSc)	2020-2025

Graduate Teaching Assistant

EC400 Introductory Course in Mathematics (MSc)	2018-2021
EC320 Applied Econometrics and Big Data (Summer School)	2019, 2023, 2024
EC312 Advanced Econometrics (Summer School)	2018, 2019, 2022
EC309 Econometric Theory (BSc)	2017/18
EC221 Principles of Econometrics (BSc)	2017/18, 2019/20
MA100 Mathematical Methods (BSc)	2019-2021

Revised 21 September 2024