

Sonia Karami

Ph.D. in Economics

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EDUCATION

Temple University, Philadelphia, PA, Ph.D. in Economics	2015-2021
Dissertation: "Essays on Developing Treatment Effects Set-ups in Interactive Fixed Effects Models"	
Committee: Brantly Callaway, Catherine Maclean, Moritz Ritter, Douglas Webber	
Sharif University of Technology, Tehran, Iran, M.Sc. in Economics	2011-2013
Shahid Chamran University, Ahvaz, Iran, B.Sc. in Economics	2008-2011

RESEARCH INTERESTS

Primary fields of research: Microeconometrics

Secondary fields of research: Health Economics, Labor Economics, Financial Economics

WORKING PAPER

"Callaway, Brantly, and Sonia Karami. "Treatment Effects in Interactive Fixed Effects Models." [arXiv preprint 2020](#) ([R&R at Journal of Econometrics](#))

WORKS IN PROGRESS

"Distributional Treatment Effects on the Treated in Interactive Fixed Effects Models" [[Job Market Paper](#)]

This paper considers identifying and estimating distributional treatment effects on the treated (DTT) in interactive fixed effects (IFE) models using short panel data. In estimating non-randomly distributed policies or programs, IFE models have an advantage over the alternative regression models including two-way fixed effects model, in that it controls for the effect of time-varying confounding factors. Here, DTT is estimated through a non-parametric method based on the relationship between the probability density function of a random variable and its corresponding characteristic function. Unlike most literature on IFE models, where identification and estimation steps require an infinite number of time periods, in this paper, the parameters of interest are both identified, and root-N consistently estimated with as few as three to four time periods of panel data. This treatment effect set-up is further used to investigate the impact of two tax-based investment incentives in the United States, namely bonus depreciation and section 179, on the local labor market unemployment rate.

"Non-parametric Estimation of Quantile Treatment Effect in Fixed Effect Models"

"ACA Medicaid Expansion and Its Effect on Labor Market Outcomes: An Interactive Fixed Effect Model Approach"

"Treatment Effects in Interactive Fixed Effects Models Under Staggered Treatment Adoption"

SKILLS

Software

Programming: MATLAB, Python, R

Microsoft Office

LaTeX

TEACHING AND MENTORING EXPERIENCES

Teaching assistant

“Microeconomics Principles” and “Macroeconomics Principles,” Economics Department, Temple University	2015-2020
“Real Estate,” Graduate School of Management and Economics, Sharif University of Technology	2012-2013

Instructor:

“American Economy,” Economics Department, Temple University	Summer 2020
“Math Camp for PhD Students,” Economics Department, Temple University	Summer 2017-2019

HONORS AND AWARD

Full Tuition and Stipend Scholarship in Ph.D. degree at Temple University Department of Economics	2015-2021
National Honors Scholarship, tuition free education in Master’s degree at Sharif University of Technology, Tehran, Iran.	2011-2013
National Honors Scholarship, tuition free education in Bachelor’s degree at Shahid Chamran University, Ahvaz, Iran.	2008-2011
Ranked first in economics class of 2011 (GPA: A)	2011

REFERENCES

1. Dr. Catherine Maclean, catherine.maclean@temple.edu
2. Dr. Brantly Callaway, Brantly.Callaway@uga.edu
3. Dr. Douglas Webber, douglas.webber@temple.edu
4. Dr. Moritz Ritter moritz.ritter@temple.edu
5. Dr. Michael Leeds (teaching reference), mleeds@temple.edu