

# Jan Rosa

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**Specialization:** Regional Economics | **Languages:** English, Polish, French (basic)

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## Work Experience

- Economist, Organisation for Economic Co-operation and Development (OECD),  
CFE, Economics, Data and Statistics Division** *September 2025 – Present*
- Developed a regional venture capital investment dataset
  - Developed the third chapter of the OECD policy report *Growth in All Types of Regions*
- Research Assistant, University of British Columbia** *May 2021 – January 2024*
- Estimated large Bayesian macroeconomic models
  - Conducted advanced statistical analysis using Canadian administrative data
- Teaching Assistant, University of British Columbia** *January 2021 – May 2024*
- Teaching support for courses in econometrics, macroeconomics, and quantitative methods
- Research Assistant, Group for Research in Applied Economics (Warsaw)** *May 2016 – December 2016*
- Produced demographic research reports and analyzed large population datasets

## Education

<b>University of British Columbia</b> (Vancouver)	PhD in Economics	2019–2025
<b>University Paris 1 Panthéon-Sorbonne</b> (Paris)	MA in Models and Methods of Quantitative Economics (QEM)	2017–2019
<b>University of Warsaw</b> (Warsaw)	BSc in Mathematics	2013–2017
<b>Warsaw School of Economics</b> (Warsaw)	BSc in Quantitative Methods in Economics and Information Systems	2012–2016

## Research

### Job Market Paper:

*National Firms, Local Effects: Spillovers from Multi-Establishment Employers' Expansions*

- Studies labor market spillovers using administrative panel data and modern econometric methods

### Working Papers:

*Spooky Boundaries at a Distance: Inductive Bias, Dynamic Models, and Behavioral Macro Conditionally Accepted, Journal of Monetary Economics [GitHub repository]*

Co-authored with Mahdi Ebrahimi Kahou, Jesús Fernández-Villaverde, Sebastián Gómez-Cardona, and Jesse Perla.

- Develops deep-learning-based solutions to high-dimensional dynamic economic models
- Python (PyTorch) package and command-line interface

## Technical Skills

**Econometrics and Methods:** Difference-in-Differences, Event Studies, Instrumental Variables, Regression Discontinuity, Randomized Controlled Trials, Synthetic Controls, Clustering, Discrete Choice Models, Bayesian Analysis, Causal Machine Learning, Neural Networks.

**Programming:** R (data.table), Python (pandas, PyTorch, Keras, NumPy, SciPy, Polars), Julia, Stata, VBA, C++.

## Grants and Awards

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- UBC Doctoral Fellowship (2019–2023)
- A.D. Scott Fellowship in Economics (2020)
- French Foreign Ministry Scholarship (2018)

## Invited Presentations

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- Canadian Economics Association Annual Meeting (2024)
- European Economic Association Annual Meeting (2025)

## Private Information

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**Nationality:** Polish (Canadian Permanent Resident)