

JIMMY KARLSSON

Curriculum Vitae (October 2024)

Department of Economics · University of Gothenburg
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RESEARCH INTERESTS

Environmental Economics, Labor Economics

EDUCATION

- 2020 – 2025 **Ph.D. in Economics**, Department of Economics,
(expected) University of Gothenburg
Supervisors: Ass. Prof. Jessica Coria and Prof. Mikael Lindahl
Dissertation Title: *Essays in Environmental and Labor Economics*
- 2024 Research Visit: EnergyEcoLab, UC3 Madrid (Spring)
- 2017 – 2019 **M.Sc. in Economics**, Department of Economics,
University of Gothenburg
Thesis: *Temperature & Exports - Evidence from the United States*
- 2018 Exchange Semester, Solvay Brussels School of Economics & Management,
Université Libre de Bruxelles (Spring)
- 2014 – 2017 **B.Sc. in Economics**, Department of Economics, University of Gothenburg

WORK IN PROGRESS

Climate Policy and Labor Market Inequality [JOB MARKET PAPER]

This paper investigates the effects of carbon taxation on labor market inequality in Sweden. Using matched employer-employee data from the Swedish registers for the years 2004-2018, I estimate the effects of a reform that increased the stringency of the tax for a subset of firms in the manufacturing sector. Using a difference-in-difference framework, I find that the reform significantly reduced emissions among treated firms. However, it also reduced the employment of workers without a high school degree. Further results suggest that this effect is driven by a reduction in the hiring rate of this group. In addition, I find that negative employment impacts are concentrated among emission-intensive firms, which face the largest cost increases when carbon tax rates rise. The results show that carbon taxation

has heterogeneous employment impacts, and that complementary policies might be needed to address labor market inequalities when implementing climate policy.

Climate Policy and Wage Adjustments

This project studies rent sharing between firms and workers exposed to different exogenous shocks induced by climate policy. Following the previous literature on productivity shocks and wage adjustments, I exploit fluctuations in permit prices under the European Union Emissions Trading System (EU ETS) to study the effects on profit and wages among Swedish regulated firms.

PEER-REVIEWED PUBLICATIONS

Karlsson, J. (2021). Temperature and Exports: Evidence from the United States. *Environmental and Resource Economics*, 80(2), 311-337.
doi.org/10.1007/s10640-021-00587-5

This paper estimates the effect of exogenous short-term temperature changes on the economy of the United States, using high-resolution data on monthly exports, which has not been previously exploited in the literature. The detailed disaggregation of U.S. export data into sectors enables a top-down estimation of the net effect of temperature, while also identifying potential mechanisms at the micro level. Using an econometric specification that allows high parametric flexibility, I find significantly negative effects of both high and low temperatures. The magnitude of the effects corresponds to an average reduction of annual U.S. exports by 0.20%, following a uniform 2°C temperature increase. Industry heterogeneity in the temperature effect suggests disparate mechanisms behind hot and cold days, which are important to take into account when estimating the future economic damages of climate change in the United States.

REFeree ACTIVITY

Oxford Economic Papers

GRANTS

2023 Adlerbert Travel Scholarship (20,000 SEK)
 Hedelius Travel Stipend (300,000 SEK)
2022 Adlerbert Travel Scholarship (20,000 SEK)

SEMINARS AND CONFERENCES (SCHEDULED*)

2024 EAERE Annual Conference (KU Leuven); EnergyEcoLab (UC3 Madrid);
 EALE Annual Conference (NHH Bergen); Micro Seminar (NHH Bergen);
 Nordic Environmental and Resource Economics Seminar* (Virtual)
2023 CERE (U Umeå)

OTHER ACTIVITIES

2022 – 2023 Organizer of the Environmental Economics Seminar Series,
 Department of Economics, University of Gothenburg
2020 – 2021 Student Representative at the Research and Doctoral Education Board,
 Department of Economics, University of Gothenburg
2018 Research Internship, Department of Economics, University of Gothenburg

ADDITIONAL EDUCATION

2023 *Wage Determination*, Summer School, Barcelona School of Economics
2022 *New Developments in the Econometrics of Heterogeneous Workers and Firms*, CEMFI Summer School, Madrid
2022 *Research Ethics*, Department of Economics, University of Gothenburg
2021 *Teaching in Higher Education*, Department of Economics,
 University of Gothenburg

TEACHING (UNDERGRADUATE LEVEL)

2022 – 2023 International Economics
2022 – 2023 Intermediate Macroeconomics
2021 – 2023 Macroeconomics
2021 – 2023 Economics in Practice
2021 Stata support for thesis work

WORK EXPERIENCE

2019 – 2020 Research Assistant (full-time), Department of Economics,
 University of Gothenburg
2015 – 2017 Optical Assistant (part-time), Synoptik, Gothenburg

SKILLS

L^AT_EX, R, Stata, SQL

LANGUAGES

Swedish (native), English (fluent), Spanish (good)

REFERENCES

Jessica Coria (supervisor)
Associate Professor
Department of Economics
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Mikael Lindahl (supervisor)
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