

# Jonas Nauerz

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## Education

2018–	<b>University of Notre Dame</b> , Ph.D. Economics <i>Committee: Benjamin Pugsley (chair), Rüdiger Bachmann, Michael Pries</i>
2018–2019	<b>University of Notre Dame</b> , M.A. Economics
2016–2018	<b>Stockholm School of Economics</b> , M.Sc. Economics,
2013–2016	<b>Goethe University, Frankfurt</b> , B.Sc. Economics/Business Administration

## Fields

Macroeconomics, Labor Economics, International Economics

## Job Market Paper

### **Men and Women at Work – Gains from Individual Taxation and the Macroeconomic Importance of Workforce Diversity**

Policies such as changes to income taxation and subsidized childcare that aim to increase the female labor supply are high on the agenda of policymakers and widely discussed among economists. Much of the macroeconomic analysis has focused on the direct effects of adding more (female) workers to the labor force by assuming that men and women are perfect substitutes in the production process. I develop a general equilibrium model with heterogeneous agents and family labor supply to consider the possibility of imperfect substitution. This choice is motivated by my empirical estimate of the elasticity of substitution between male and female labor inputs in modern-day Germany of 0.55. For identification, I exploit a natural experiment that induced exogenous time and county-level (Landkreise) variation in the availability of public daycare for children under the age of three. I study the implications of a reform that moves from joint taxation of married couples to individual taxation and find that it substantially affects the labor force participation of married women (+12.7%) and overall output (+7.4%). This result compares to an output increase of 3.27% in the perfect substitutability case. Thus, disregarding the added benefits of gender diversity underestimates the positive effects of such a policy change.

## Working Papers

2021	<a href="#">Unintended Effects from the Expansion of the Non-Contributory Health System in Peru</a> , with Jose Torres (IMF Working Paper WP/21/106)
2021	<a href="#">Temperature Shocks and Real Exchange Rates</a> , with Sinyoung Lee, Nelson C. Mark, Jonathan Rawls, and Zhiyi Wei
2020	<a href="#">Can the Quiet Revolution Continue? The Effects of Childcare Subsidies on Female Labor Force Participation in a Life-Cycle Model</a>
2018	<a href="#">Employment during Retirement? Simulating a Pension Reform in a Life-Cycle Model for Germany</a>

## Work in Progress

**Occupational Choice and Exposure to Business Cycles**, with Bence Bardóczy, Nezih Guner, and Georgi Kocharkov

## Research Experience

- 2019– **University of Notre Dame, Notre Dame, IN**  
*RA, Illeen Kondo (19/20), Robert Johnson (20/21), Benjamin Pugsley (21/22)*
- 2020–2021 **Deutsche Bundesbank, Frankfurt**  
*Graduate Research Intern, Research Centre*
- 2020 **International Monetary Fund, Washington, D.C.**  
*2020 Fund Internship Program, Western Hemisphere Department*

## Conferences/Workshops

- 2022 NBER Heterogeneous-Agent Macro Workshop
- 2021 International Association for Applied Econometrics (IAAE) Annual Conference

## Teaching Experience

- 2019–2020 **University of Notre Dame, Notre Dame, IN**  
*Teaching Assistant for Master of Global Affairs students*  
Tutor for Quantitative Methods, Microeconomics, and Policy Evaluation
- 2017 **Stockholm School of Economics, Stockholm**  
*Teaching Assistant for the bachelor course International Economics*  
Independent teaching, conception and grading of assignments and final exam
- 2015–2016 **Goethe University, Frankfurt**  
*Teaching Assistant at the Department of Applied Econometrics*  
Conducting tutorials in statistics for a group of  $\sim 100$  students

## Service

- 2021–2022 Co-chair, Graduate Student Committee, University of Notre Dame

## Languages and Skills

German (native), English (fluent)  
L<sup>A</sup>T<sub>E</sub>X, Python, Julia, Matlab, Stata, Bloomberg

## References

- Benjamin Pugsley (chair) University of Notre Dame, Department of Economics  
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- Rüdiger Bachmann University of Notre Dame, Department of Economics  
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