

# JOHANNES HUBER

Post-doctoral researcher, University of Regensburg  
August 1, 2025

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## RESEARCH INTERESTS

Quantitative Macroeconomics – Public Economics, Computational Economics, Macroeconometrics

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## EDUCATION

2017 – 2022	Ph.D. in ECONOMICS (Dr. rer. pol.) Final grade: <i>Summa cum laude</i> <b>University of Augsburg</b>
2015 – 2017	M.Sc. in ECONOMICS AND PUBLIC POLICY <b>University of Augsburg</b>
2012 – 2015	B.Sc. in ECONOMICS <b>University of Augsburg</b>

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## ACADEMIC POSITIONS

SINCE 2022	<b>Post-doctoral researcher</b> Chair for Economics of the Public Sector, <b>University of Regensburg</b>
2024 (five months)	<b>Visiting scholar</b> Department of Economics, <b>University of Pennsylvania</b>
2017 – 2022	<b>Research and teaching assistant</b> Chair of Empirical Macroeconomics, <b>University of Augsburg</b>
2015 – 2017	<b>Student assistant</b> Chair of Empirical Macroeconomics, <b>University of Augsburg</b> Chair of Environmental and Resource Economics, <b>University of Augsburg</b>

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## PUBLICATIONS & WORKING PAPERS

### Job Market Paper

RENTAL MARKETS AND WEALTH INEQUALITY IN THE EURO-AREA, 2025  
(with Fabian Kindermann and Sebastian Kohls).

Wealth inequality and aggregate homeownership are negatively correlated across the Euro area. We explain this within a quantitative overlapping generations model, where households consume food and shelter and make portfolio decisions. Households purchase real estate for consumption purposes or rent it out to other households on the private rental market. A reduced form wedge – correlated with empirical measures of rent control – governs rental market efficiency. Rental market efficiency is crucial in explaining cross-country variation in aggregate homeownership. Wealth inequality, however, is mainly driven by mortgage market characteristics, most importantly an interest rate spread between deposits and mortgages.

### Refereed Publications

ITERATIVE REFINEMENT OF THE QZ DECOMPOSITION FOR SOLVING LINEAR DSGE MODELS (with Alexander Meyer-Gohde). *Economic Letters* (2025): 112411

POLYNOMIAL CHAOS EXPANSION: EFFICIENT EVALUATION AND ESTIMATION OF COMPUTATIONAL MODELS (with Daniel Fehrlé and Christopher Heiberger). *Computational Economics*, 1-64 (2025)

THE FISCAL AND INTERGENERATIONAL BURDENS OF BRAKES AND SUBSIDIES FOR ENERGY PRICES (with Christian Scharrer). *International Tax Public Finance* 31, 1249-1273 (2024).

## Working Papers

SOLVING LINEAR DSGE MODELS WITH STRUCTURE-PRESERVING DOUBLING METHODS, 2024  
(with Alexander Meyer-Gohde and Johanna Saecker).

HONE THE NEOCLASSICAL LENS AND ZOOM IN ON GERMANY'S FISCAL STIMULUS PROGRAM 2008-2009, 2024 (with Daniel Fehrle).

AN AUGMENTED STEADY-STATE KALMAN FILTER TO EVALUATE THE LIKELIHOOD OF LINEAR AND TIME-INVARIANT STATE-SPACE MODELS, 2025 .

## Work in Progress

EARLY RETIREMENT IN WEALTH AND HEALTH RECESSIONS  
(with Fabian Kindermann and Dirk Krueger).

THE 401(K) PROGRAM AND ITS IMPACT ON HOUSEHOLD FINANCIAL INVESTMENT AND KNOWLEDGE  
(with Fabian Kindermann, Marcin Lewandowski, Krzysztof Makarski, Joanna Tyrowicz, and Piotr Żoch).

## Non-refereed Publications

EFFICIENT EVALUATION AND ESTIMATION OF DYNAMIC STOCHASTIC GENERAL EQUILIBRIUM MODELS  
cumulative Dissertation, Augsburg, University of Augsburg, 2022.

## TEACHING

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Lectures: Quantitative Methods (Bachelor, German)

Tutorials: Macroeconomics (Bachelor, German), Econometrics (Bachelor, German)

Seminars: Empirical Macroeconomics (Bachelor, Master), Theoretical Macroeconomics (Bachelor)

## AWARDS AND SCHOLARSHIPS

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2024 | Schmölders foundation – Research fellowship (3500€)

## THIRD-PARTY FUNDED PROJECT (PARTICIPATION)

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2022 – 2025 | **Research Grant, German Research Foundation (DFG)**  
PostDoc on the research project "Models of Imperfect Rationality and Redistribution in the Context of Retirement," (479,888€; Applicant: Prof. Fabian Kindermann)

## SKILLS

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LANGUAGES: German (native), English (fluent), Spanish (basic), French (basic)

PROGRAMMING: FORTRAN, MATLAB , JULIA, GAUSS, C/C++, Python

SOFTWARE:  $\LaTeX$ , Stata, R, EViews, MS Office

## CONFERENCES, WORKSHOPS, AND SEMINARS

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- 2025 | Annual Conference - International Association for Applied Econometrics, Torino;  
31st International Conference Computing in Economics and Finance, Santiago;  
Volkswirtschaftliches Seminar - University of Augsburg, Augsburg.  
Seminar - Universidad de Barcelona, Barcelona;
- 2024 | NBER Summer Institute 2024 - Macro Public Finance, Boston;  
Annual Conference - International Association for Applied Econometrics, Thessaloniki;  
Pension Research Council - 2024 Symposium, Philadelphia;  
Marco Lunch - Penn Economics, Philadelphia;  
Lunch Seminar - University of Regensburg, Regensburg.
- 2023 | Annual Conference of the Verein für Socialpolitik 2023, Regensburg;  
2nd Bavarian Macro Day, Würzburg;  
6th Workshop on Macroeconomic Research, Krakow.
- 2022 | 28th International Conference - Computing in Economics and Finance, Dallas;  
1st Bavarian Macro Day, Regensburg;  
32nd BGPE Research Workshop, Passau;  
Lunch Seminar - University of Regensburg, Regensburg.
- 2019 | Volkswirtschaftliches Seminar - University of Augsburg, Augsburg.
- 2018 | 25th BGPE Research Workshop, Bamberg;  
19th IWH-CIREQ-GW Macroeconometric Workshop, Halle.

## REFERENCES

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Empirical Macroeconomics  
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