

CONTACT	<p>Hamburg University Economics Department Von-Melle-Park 5 20146 Hamburg, Germany +49 40 42838 2082 <a href="mailto:melanie.krause@uni-hamburg.de">melanie.krause@uni-hamburg.de</a></p>	<p>German Nationality Born in Bonn in 1984 1 Daughter (*2012) ORCID: 0000-0001-9299-2366 <a href="http://www.melanie-krause.de">http://www.melanie-krause.de</a></p>
CURRENTLY	<p><b>Junior Professor for Macroeconomics at Hamburg University</b> since 09/2015 Positive Midterm Evaluation ('Zwischenevaluation') in 08/2018</p>	
EDUCATION	<p><b>Johann-Wolfgang-Goethe Universität Frankfurt</b>, 2008 - 2014 Ph.D. in Economics (Summa Cum Laude) Structured Ph.D. Program with Fields: Macroeconomics, Econometrics Ph.D. Thesis: <i>Econometric Advances in the Analysis of Income Inequality Within and Between Countries</i></p> <p><b>ESCP-EAP European School of Management</b>, London-Madrid-Paris, 2005-08 Master of Science in Management (Distinction) and Diplôme de Grande Ecole (Félicitations du Jury) : Multinational program - 3 countries, 3 languages Master's thesis: <i>How Higher Moments Affect Portfolio Choice under Prospect Theory</i></p> <p><b>Rheinische-Friedrich-Wilhelms-Universität Bonn</b>, 2003-2005 Vordiplom (Undergraduate Studies) in Economics with mark 1,4 ('excellent')</p> <p><b>Städtisches Gymnasium Rheinbach</b>, 1994-2003 Abitur (equivalent to A-Level) with mark 1,0 ('excellent')</p>	
PROFESSIONAL EXPERIENCE	<p><b>Johann-Wolfgang-Goethe-Universität Frankfurt</b>, Aug. 2009- July 2015 Research Assistant at the Chair of International Macroeconomics &amp; Macroeconometrics (Prof. Michael Binder, Ph.D.)</p> <p><b>ESCP-EAP European School of Management</b>, Paris, May - July 2008 Student Assistant at the Finance Chair (Prof. Dr. Emmanuel Jurczenko)</p> <p><b>Commerzbank España</b>, Madrid, April - July 2007 Intern in Risk Management</p> <p><b>JPMorgan</b>, London, May - August 2006 Intern in Equity Derivatives</p> <p><b>Rheinische-Friedrich-Wilhelms-Universität Bonn</b>, Oct 2004 - March 2005 Student Assistant at the Business Economics Chair (Prof. Dr. Klaus Sandmann)</p>	

## RESEARCH

### RESEARCH FIELDS

Empirical Macroeconomics and Applied Econometrics:

- Economic development
- Urban economics
- Regional economics
- Income inequality

In particular, making use of Geo-Spatial Data and Machine Learning Methods

### RESEARCH GRANTS

- German Research Foundation (DFG) Grant for *Shining (New) Light on Regional Inequality, Convergence and Development*.  
Principal investigator, jointly with Richard Bluhm and Christian Lessmann.  
Total project funding for 3 years (2017-2020): 569,000 Euro (individual share: 185,200 Euro)

### PUBLICATIONS

- The Urbanising Force of Global Warming: The Role of Climate Change in the Spatial Distribution of Population (with David Castells-Quintana and Tom McDermott), *Journal of Economic Geography*, Forthcoming
- Population, Light, and the Size Distribution of Cities (with Christian Düben), *Journal of Regional Science*, Forthcoming
- Convergence vs. The Middle Income Trap: The Case of Global Soccer (with Stefan Szymanski), *Applied Economics* 51(27), 2019, pp.2980-2999
- The Millennium Peak in Club Convergence - A New Look at Distributional Changes in the Wealth of Nations, *Journal of Applied Econometrics* 32(3), 2017, pp.621-642
- Parametric Lorenz Curves and the Modality of the Income Density Function, *Review of Income and Wealth* 60(4), 2014, pp.905-929

### WORKING PAPERS

- Top Lights - Bright Cities and Their Contribution to Economic Development (with Richard Bluhm), *CESifo Working Paper* 7411
- The Geographical Determinants of Within-City Heterogeneity in Urban Density (with André Seidel), *CESifo Working Paper* 8660
- Rising Mean Incomes for Whom? (with Liang Frank Shao), *LIS Working Paper* 753
- The Emperor's Geography - City Locations, Nature and Institutional Optimization (with Christian Düben)
- Density, City Structure, and Air Pollution: A Global View (with David Castells-Quintana and Elisa Dienesch)

### WORK IN PROGRESS

- Regional Convergence at the County Level: The Role of Commuters (with Sebastian Kripfganz)
- Growth and Spatial Inequality (with Richard Bluhm and Christian Lessmann)

SMALLER NOTES	<ul style="list-style-type: none"> <li>• Corrigendum to "Elliptical Lorenz Curves" [J. Econom. 40 (1989) 327 - 338], <i>Journal of Econometrics</i> 174, 2013, p.44</li> </ul>
CONFERENCE ORGANIZATION	<p><b>Workshop on Geo Data in Economics</b>, Hamburg, Germany, 05/2019</p> <p>Local organizer of the two-day conference with keynote speakers David Weil (Brown University) and Maxim Pinkovskiy (Federal Reserve Bank New York)</p>
CONFERENCE PRESEN- TATIONS	<p><b>1st FDZ Ruhr Regional Disparity Workshop</b>, Essen, Germany 09/2019</p> <p><b>59th European Regional Science Congress</b>, Lyon, France, 08/2019</p> <p><b>Urban Economics Conference</b>, Amsterdam, Netherlands, 06/2019</p> <p><b>12th CESifo Workshop on Political Economy</b>, Dresden, Germany, 11/2018</p> <p><b>Jahrestagung des Vereins für Socialpolitik</b>, Freiburg, Germany, 09/2018</p> <p><b>58th European Regional Science Congress</b>, Cork, Ireland, 08/2018</p> <p><b>Workshop on GeoData and Economics</b>, Braunschweig, Germany, 05/2018</p> <p><b>Urban Economics Conference</b>, Düsseldorf, Germany, 05/2018</p> <p><b>Royal Economic Society Conference</b>, University of Sussex, Brighton, UK, 03/2018</p> <p><b>7th ECINEQ Meeting</b>, New York City, US, 07/2017</p> <p><b>Jahrestagung des Vereins für Socialpolitik</b>, Augsburg, Germany, 09/2016</p> <p><b>IARIW Conference</b>, Dresden, Germany, 08/2016</p> <p><b>EEA-ESEM Congress</b>, Geneva, Switzerland, 08/2016</p> <p><b>Jahrestagung des Vereins für Socialpolitik</b>, Münster, Germany, 09/2015</p> <p><b>Spring Meeting of Young Economists</b>, Ghent, Belgium, 05/2015</p> <p><b>1st Conference of the International Association of Applied Econometrics</b>, London, UK, 06/2014</p> <p><b>Spring Meeting of Young Economists</b>, Vienna, Austria, 04/2014</p> <p><b>24th (EC)<sup>2</sup> Conference - Econometric Analysis of Mixed Frequency Data</b>, Nicosia, Cyprus, 12/2013</p> <p><b>Jahrestagung des Vereins für Socialpolitik</b>, Göttingen, Germany, 09/2012</p> <p><b>International Atlantic Economic Society Conference</b>, Istanbul, Turkey, 03/2012</p> <p><b>RGS Doctoral Conference in Economics</b>, Duisburg, Germany, 02/2012</p>
SEMINAR PRESEN- TATIONS	<p><b>German Institute for Global and Area Studies (GIGA) Hamburg</b>, Germany, Seminar in Socio-Economics (online format), 09/2020</p> <p><b>Rijksuniversiteit Groningen</b>, Netherlands, Research Seminar, 02/2020</p> <p><b>Ruhr Universität Bochum</b>, Germany, Regional Economics Seminar, 11/2019</p> <p><b>Helmut-Schmidt-University Hamburg</b>, Germany, Empirical Research Seminar, 02/2019</p> <p><b>University of Cologne</b>, Germany, Econometrics Seminar, 06/2018</p> <p><b>University of Hannover</b>, Germany, Brown Bag Seminar, 11/2017</p> <p><b>Monash University Melbourne</b>, Australia, Development Economics Seminar, 08/2017</p> <p><b>University of Queensland</b>, Brisbane, Australia, Economics Seminar, 08/2017</p> <p><b>Griffith University Gold Coast</b>, Australia, Economics Seminar, 08/2017</p> <p><b>WU Vienna</b>, Austria, Macroeconomics Seminar, 06/2017</p> <p><b>University of Umeå</b>, Sweden, Economics Seminar, 03/2017</p> <p><b>University of Kiel</b>, Germany, Econometrics Seminar, 05/2016</p> <p><b>University of Hamburg</b>, Germany, Labour Economics Seminar, 10/2015</p> <p><b>Goethe University Frankfurt</b>, Germany, Money and Macro Brown Bag Seminar 07/2014, 11/2013, 10/2011</p>

SEMINAR  
ORGANIZATION

**Hamburg University**

- *Research Seminar in Quantitative Economics*: Co-Organization in the Winter Semester 2020/21 (online format), Summer Semester 2020 (online format), Winter Semester 2019/20, Summer Semester 2019, Winter Semester 2018/19, Summer Semester 2018, Winter Semester 2017/18, Summer Semester 2017, Winter Semester 2016/17, Summer Semester 2016, Winter Semester 2015/16.
- *Doctoral Seminar in Economics*: Organization in the Winter Semester 2020/21 (online format), Summer Semester 2020 (online format), Winter Semester 2019/20, Summer Semester 2019, Winter Semester 2018/19, Summer Semester 2018, Winter Semester 2017/18, Summer Semester 2017. Co-Organization in the Winter Semester 2016/17, Summer Semester 2016.

SUMMER/  
WINTER  
SCHOOLS

- **9th Winter School on Inequality and Social Welfare Theory**, Alba di Canazei (Dolomites), organized by University of Verona, Italy, 01/2014
- **New Developments in Panel Methods Summer School** with lectures by Jeffrey M. Wooldridge, Mainz, Germany, 08/2013
- **The Jerusalem Summer School in Economic Growth**, Jerusalem, Israel, 06/2011

**TEACHING**

COURSES  
TAUGHT

**Hamburg University**

- Lecturer of *Machine Learning Methods in Economics* (Master's level): Winter Semester 2020/21 (online format).
- Lecturer of *Applied Time Series and Panel Data Econometrics* (Master's level): Winter Semester 2018/19, 2017/18, 2016/17.
- Lecturer of *Topics in Urban Economics* (Master's level, seminar): Summer Semester 2020 (online format).
- Lecturer of *Economic Growth and Income Distribution* (Undergraduate level): Summer Semester 2019, 2018, Winter Semester 2016/17, 2015/16.
- Lecturer of *Long-Run Economic Development* (Undergraduate level, seminar): Summer Semester 2020 (online format), 2016.
- Lecturer of *Applied Econometrics II* (Undergraduate level): Summer Semester 2016.

**Johann-Wolfgang-Goethe-Universität, Frankfurt am Main**

- Discussion session instructor of *Macroeconomics I* (Undergraduate level): Winter Semester 2014/15, 2013/14, 2012/13, Summer Semester 2012.
- Teaching assistant of tutorial groups in *Macroeconomics I* (Undergraduate level): Winter Semester 2011/12, Summer Semester 2011, 2009.
- Teaching assistant of the macroeconometrics course *International Money and Finance* (Master's level), Winter Semester 2010/11.
- Pre-Semester course instructor of *Real Analysis* (Ph.D. and Research Master level), September 2010.

**Rheinische-Friedrich-Wilhelms-Universität, Bonn**

- Teaching Assistant of *Production Theory* (Undergraduate level), Winter Semester 2004/05.

THESIS  
SUPERVISION

**Ph.D. Thesis Supervision (Hamburg University)**

- Ongoing: Christian Düben

**Master's Thesis Supervision (Hamburg University)**

- 2020: Oyinkansola Osunkoya, Anahit Kirakosyan
- 2019: Bora Lee, Mitchel Graves, Zhexin Zhang, Selcuk Kirbas
- 2018: Eva Cordts, Yagmur Kurtoglu
- 2017: Mengchao Zhang, Adeoye Oyekan, Yan Stegert, Claudia Hernández
- 2016: Logan Carlson

**Bachelor Thesis Supervision (Hamburg University)**

- 2020: Felix Kintrup, Elisa Stumpf, Benedikt Kretzler, Felicitas Bichowski, Helena Blumenschein, Louisa Kirsten, Kyari Yahaya, Robin Denker
- 2019: David Andjelkovic, Lennart Dühren, Phuong Duy Ha, Andrés Grabau, Jude-Ismael Ladouceur, Hoshang Hussainy, Jiaxi Chen
- 2018: Clemens Lehner, Nina Morgenstern, Steven Schlicker, Cheng Huo, Malte Christophersen, Nadine Scherer
- 2017: Steven Ficht, Alexander Weis, Raphael Layer, Nadjim Sarwary, Arber Mehmeti, Christina Preuße, Niklas Pätzold, Frederik Moorkamp
- 2016: Tim Wunderlich, Eugen Bill, Tina-Marie Jung, Moritz Lamparter, Olesja Ischanow

MISCELLANEOUS

AWARDS AND  
HONORS

**'Nachhaltigkeits-Patin'** for the Sustainable Development Goal "Decreasing Inequalities" by Hamburg University, 11/2018  
Official recognition by the university president and 5000 euro funding for sustainability-related projects

**Invitation to Participate in the 5th Lindau Nobel Laureate Meeting,**  
Lindau, Germany, 08/2014

**Premier Prix du Mémoire de Recherche,** Paris, France, 12/2008  
Prize for the best master's thesis of the year, awarded by Fondation ESCP-EAP

REFEREEING

*Review of Income and Wealth, Journal of Economic Inequality, World Development, Oxford Bulletin of Economics and Statistics, Canadian Journal of Economics, Review of International Organizations, Applied Economics, Finanzarchiv, Statistica Neerlandica, Economies, Sustainability*

SKILLS

**Language Skills:**

- German (*mother tongue*)
- English (*fluent*)
- French (*fluent*)
- Spanish (*fluent*)
- Norwegian (*fluent*)

## Programming Skills:

- STATA and Mata in STATA (*good*)
- Python (*good*)
- QGIS (*intermediate*)
- R (*intermediate*)
- MatLab (*intermediate*)

*Hamburg, 01 December 2020*