

Cäcilia Lipowski, Researcher & PhD Candidate

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Current Position

09/2019 – present *Doctoral Researcher, ZEW Mannheim*, Research Unit “Labour Markets and Social Insurance”
04/2020 – present *PhD Candidate, Utrecht University School of Economics (completion expected mid 2024)*
Supervisors: Prof. Dr. Anna Salomons and Dr. Ulrich Zierahn-Weilage

Research Interests

Labor Economics - Technological Change – Worker Tasks and Skills – Intergenerational Mobility

Education

04-05/2023 *Research Visit at Boston University* and Technology and Policy Research Initiative (TPRI), Boston, U.S.; Host: James Bessen
10-11/2022 + 10/2021 *Research Visit Utrecht University School of Economics*, Utrecht, Netherlands
09/2017 – 06/2019 *M.Sc. Statistics and Econometrics, University of Strasbourg*, with highest honors
09/2014 – 07/2017 *B.Sc. Economics, University of Mannheim*, final grade 1.5

Publications in Refereed Journals

“Computers as Stepping Stones? Technological Change and Equality of Labor Market Opportunities” (with Melanie Arntz, Guido Neidhöfer and Ulrich Zierahn-Weilage). Forthcoming at *Journal of Labor Economics* (2025).

Abstract. This paper analyzes whether technological change improves equality of labor market opportunities by increasing the returns to skills relative to the returns to parental background. We find that in Germany during the 1990s, the introduction of computer technologies improved the access to technology-adopting occupations for workers with low-educated parents, and reduced their wage penalty within these occupations. We also show that this significantly contributed to a decline in the overall wage penalty experienced by workers from disadvantaged parental backgrounds over this time period. Competing mechanisms, such as skill-specific labor supply shocks and skill-upgrading, do not explain these findings.

“Do preferences for urban amenities differ by skill?” (with Melanie Arntz and Eduard Brüll), 2023, *Journal of Economic Geography*.

Abstract. By investing in urban amenities, city-level policies often aim to attract highly skilled workers. However, studies relying on revealed preferences struggle to provide causal evidence that skilled workers value urban amenities more than less skilled workers. Therefore, we use a stated-preference experiment with hypothetical job choices between two cities that differ in wages, urban amenities and economic dynamism. We find that respondents are willing to forgo a significant fraction of their wages for better urban amenities. Most strikingly, preferences do not differ systematically by skill level. Hence, the higher fraction of highly skilled workers in amenity-rich places stems from the inability of low-skilled workers to move to and afford living in their preferred locations.

“Fertility, Economic Incentives and Individual Heterogeneity: Register Data based Evidence from France and Germany” (with Ralf Wilke and Bertrand Koebel), 2022, *Journal of the Royal Statistical Society – Series A*.

Abstract. This study demonstrates the importance of accounting for correlated unobserved heterogeneity to correctly identify the relevance of career and education for fertility decisions. By exploiting individual-level life-cycle information on fertility, career and education from large administrative longitudinal datasets, this paper shows that non-linear panel models produce substantially different results than the cross-sectional approaches widely used in previous studies. Higher opportunity costs of having children are found to be associated with lower fertility within a country, while the magnitude of the adjustment differs strongly across countries. In Germany, fertility decisions are found to depend more on individual circumstances than in France, where better public childcare support enhances the compatibility between family and professional life.

“Competing Risks Regression with Dependent Multiple Spells: Monte Carlo Evidence and an Application to Maternity Leave” (with Simon Lo, Shuolin Shi and Ralf Wilke), 2021, *Japanese Journal of Statistics and Data Science*.

Work in Progress

“No Kids, No Tech: How Shortages of Young Workers Hinder Firm Technology Adoption” *Job Market Paper*.

Abstract. This paper studies the impact of shortages of young workers on firm investments. I exploit exogenous variation in the supply of young labor market entrants induced by an education reform in Germany in 2001. Using data from a large firm panel survey and social security data, I show that the scarcity of young labor market entrants, notably trainees, leads to reduced firm investments in new technologies. This can be explained by the comparative advantage of young labor market entrants in acquiring new tech skills due to their low opportunity of training. These findings dampen hopes of counteracting labor shortages by substituting labor with capital.

“Keeping Up with the Computers: How Vocational Training Responds to New Technology“ (with Anna Salomons and Ulrich Zierahn-Weilage).

“Has Covid-19 Accelerated the Digital Transformation of the Labor Market?“ (with Melanie Arntz, Michael Böhm, Georg Graetz, Terry Gregory and Florian Lehmer).

Policy Reports & Consulting

Federal Ministry of Labour and Social Affairs (online): Input talk at Workshop on “Die Erwerbsbeteiligung von Frauen: Hürden und Gelingensbedingungen“, May 2023.

„Digitalisierung in der Covid-19-Pandemie. Corona hat den digitalen Graben zwischen den Betrieben vertieft“ (with Melanie Arntz, Michael Böhm, Georg Graetz, Terry Gregory, Jan Moritz Johanning, Florian Lehmer, Britta Matthes und Nick Niers). IAB-Kurzbericht 4, 2023.

“Mannheim im Wettbewerb um Talente“ (with Melanie Arntz and Eduard Brüll). Policy Report to the City of Mannheim, July 2020.

Work experience

02/2019 – 06/2019	Research Assistant, ZEW Mannheim
10/2017 – 01/2019	Research Assistant, BETA Strasbourg
07/2017 – 08/2017	Research Intern, Macro Center for Political Economics Tel Aviv
03/2017 – 06/2017	Research Assistant, University of Mannheim

Teaching Experience

08/2015 Mathematics - Teaching Assistant (Undergraduate, English), University of Mannheim

Media Coverage (selected)

“Wir Deutschen“, by Andreas Frey. *FAZ*. April 16, 2023.

„Technologiewandel hilft Arbeiterkindern“, by Walter Serif. *Mannheimer Morgen*. July 16, 2022.

„Deutsche Frauen verzichten nach Gehaltserhöhung häufig auf Nachwuchs“, by Dorothea Siems. *Welt*. May 31, 2020.

Conference Presentations and External Seminar Talks (selected)

2023 (including scheduled): TPRI (Boston University), EEA, EALE, Interdisciplinary Text-as-Data Workshop (RWI Essen), LISER Workshop “Skills for the future”, BIBB Kolloquium (Bonn, *invited*), Economics Department Seminar Mannheim, Internal Seminar IZA

2022: EALE (Padua), TASKS VI Conference (Nuremberg), Cournot Doctoral Days (Strasbourg)

2021: TPRI (Boston University), ECINEQ, LISER-IAB Conference on Digital Transformation and the Future of Work, Verein für Sozialpolitik, ICT Conference (ZEW Mannheim), Workshop on Social Mobility and Economic Performance (ZEW Mannheim)

Computer Skills and Languages

STATA, R, Python (including web scraping and NLP)
German native; English fluent; French fluent; Spanish good

Refereeing for International Journals

Industrial Relations, Economics of Education Review, International Labour Review, Socio-Economic Review, Journal of Labor Research, Research in Labor Economics

Scholarships

01/2018 – 06/2019 Scholarship Friedrich-Ebert-Stiftung