



Dr. Eduard **Brüll**

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PROFILE

- Doctorate in Economics from Heidelberg University (summa cum laude)
- Strong analytical and communication skills
- Deep technical expertise in data infrastructure, empirical analysis, and reproducible workflows (R, Python, Stata)
- Strategic project management with a focus on quality, timelines, and stakeholder alignment
- Extensive teaching experience
- Experienced working in interdisciplinary, international research teams

WORK EXPERIENCE

02/2026 – present

Research Manager

ZEW – Leibniz Centre for European Economic Research, Mannheim

- Strategic coordination and management of multi-year research and consulting projects
- Coordinating between research teams, clients, and external partners
- Development and maintenance of analytical and data infrastructures for research projects
- Development of cross-project software tools and workflows (R, databases, APIs)
- Contribution to the ZEW GenAI Team for integrating Large Language Models into research and analytical processes

07/2025 – 01/2026

Interim Professor

University of Mannheim

- Independent design and teaching of master's and doctoral-level courses
- Development of new teaching materials on modern econometrics and machine learning
- Responsibility for examinations and grading
- Integration of current research into teaching

05/2019 – 07/2025

Advanced Researcher

ZEW – Leibniz Centre for European Economic Research, Mannheim

- Policy consulting for public sector clients such as the Federal Ministry of Labour and Social Affairs
- Management of research and consulting projects
- Statistical analyses using state-of-the-art methods on large-scale social security data (RIF decompositions, machine learning)
- IT coordinator of the Labour Markets department at ZEW
- Extensive work with geospatial data using QGIS, R/GIS, and openrouteservice
- Development of Natural Language Processing workflows and data linkage tools
- Development of experimental design software for stated preference experiments

- 10/2013 – 04/2019 **Research and Teaching Assistant**
Heidelberg University, Chair of Labour Economics
- Design of theoretical and empirical economic models
 - Statistical analyses using multiple large-scale datasets (e.g., social security data and microcensus)
 - Supervision and coordination of student research assistants
- 09/2012 – 04/2013 **Student Research Assistant**
Heidelberg University, Chair of Labour Economics
- Data preparation using R and Stata
 - Development of web scraping tools
- 09/2011 – 03/2012 **Internship – Research Analyst/Economist**
HSH Nordbank, Hamburg
- Preparation of weekly bond market commentaries
 - Development of new software tools using the Bloomberg API, VBA, and R
- 11/2008 – 12/2009 **Student Research Assistant**
RWTH Aachen University, International Economics Group
- Data analysis for a project on demographic change and migration
 - Web development and design of the research group's website
- 07/2005 – 01/2012 **Network Administrator**
Tax Consultant Veronica Brüll, Herzogenrath
- Administration of a Windows domain network (Active Directory) with DATEV software

EDUCATION

- 10/2013 – 02/2019 **Dr. rer. pol., Economics**
Heidelberg University. Supervisor: Prof. Christina Gathmann, Ph.D.
- Policy-relevant dissertation on labour market topics such as temporary employment contracts, wage inequality, and labour supply decisions
- 10/2010 – 04/2013 **M.Sc. Economics**
Heidelberg University
- Strong empirical focus
 - Active in several student organizations (event planning, promotional materials)
 - Master's thesis: "Patterns of Occupational Mobility and Specialisation"
- 09/2007 – 09/2010 **B.Sc. Business Administration**
RWTH Aachen University
- Courses in business administration and economics
 - Exchange semester at University College Dublin (2010)
 - Empirical economics bachelor's thesis on migrant remittances during the 2007–2008 financial crisis:
"Worker Remittances During Financial Crises"

TEACHING EXPERIENCE

- 08/2025 – 12/2025 **Lecture – Advanced Econometrics**
University of Mannheim
- Lecture for doctoral students in the CDSB doctoral program

- 08/2025 – 12/2025 **Lecture – Applied Data Science: Machine Learning for Economics and Business Data**
University of Mannheim
• Lecture for doctoral students in the CDSB doctoral program
- 04/2022 – 07/2022 **Lecture – Economic and Social Statistics (Bachelor)**
Heidelberg University
• Lecture for bachelor students in political science and economics
- 04/2018 – 07/2018 **Tutorials in Empirical Economic Research (Bachelor)**
Heidelberg University, *Prof. Christina Gathmann, Ph.D.*
- 04/2017 – 07/2017 **Tutorials in Empirical Economic Research (Bachelor)**
Heidelberg University, *Dr. Arne Warnke*
- 04/2016 – 07/2016 **Tutorials in Empirical Economic Research (Bachelor)**
Heidelberg University, *Prof. Dr. Melanie Arntz*
• Coordination and organization of tutorials and redesign of tutorial materials
- 10/2015 – 02/2016 **Tutorials in Family Economics (Master)**
Heidelberg University, *Dr. Holger Stichnoth*
- 04/2015 – 07/2015 **Tutorials in Empirical Economic Research (Bachelor)**
Heidelberg University, *Prof. Christina Gathmann, Ph.D.*
- 10/2014 – 02/2015 **Tutorials in Family Economics (Master)**
Heidelberg University, *Dr. Holger Stichnoth*
- 10/2014 – 02/2015 **Tutorials in Macroeconomics (Bachelor)**
Heidelberg University, *Prof. Dr. Axel Dreher*
- 04/2014 – 07/2017 **Tutorials in Microeconomics (Bachelor)**
Heidelberg University, *Prof. Christina Gathmann, Ph.D.*

RESEARCH PAPERS

Publications and Discussion Papers

- Arntz, Melanie, Myriam Baum, Eduard Brüll et al. (2026) "Low Barriers, High Stakes: Formal and Informal Diffusion of AI in the Workplace," ZEW Discussion Paper 26-001, ZEW – Leibniz-Zentrum für Europäische Wirtschaftsforschung.
- Arntz, Melanie, Eduard Brüll, and Căcilia Lipowski (2022) "Do preferences for urban amenities differ by skill?," *Journal of Economic Geography*.
- Brüll, Eduard (2019a) *Essays on Labor Economics*, Ph.D. dissertation.
- Brüll, Eduard (2019b) "Restrictions of fixed term employment contracts: Evidence from a German reform," ZEW Discussion Papers 19-034, Mannheim.
- Brüll, Eduard (2025) "Holy Days, Lost Days?" ZEW Discussion Paper 25-056, ZEW – Leibniz-Zentrum für Europäische Wirtschaftsforschung.
- Brüll, Eduard and Christina Gathmann (2019) "Die Entwicklung der ostdeutschen Lohnstruktur," *ifo Dresden berichtet*, 26 (06), 12–16.
- (2020) "Evolution of the East German wage structure," ZEW Discussion Papers 20-081, Mannheim.
- Brüll, Eduard, Christina Gathmann, Boris Ivanov, and Lukas Riedel (2024) "Der Arbeitsmarkt in Deutschland - Eine Bestandsaufnahme," *Deutschland und Europa*, 83, 28–41.
- Brüll, Eduard and Patrick Kampkötter (2024) "Betriebliche Diversitätsstrategien in Deutschland," BMAS Forschungsbericht 603.
- Brüll, Eduard, Samuel Mäurer, and Davud Rostam-Afschar (2025) "Beliefs about bots: How employers plan for AI in white-collar work," ZEW Discussion Papers 25-057, ZEW – Leibniz-Zentrum für Europäische Wirtschaftsforschung.
- Brüll, Eduard, Friedhelm Pfeiffer, and Nicolas Ziebarth (2024) "Analyse der Einkommens- und Beschäftigungswirkungen einer Einführung des CDU-Konzepts der „Aktiv-Rente“,“ *Perspektiven der Wirtschaftspolitik*, 25 (3-4), 227–232.
- Brüll, Eduard, Davud Rostam-Afschar, and Oliver Schlenker (2025) "Cut off from new competition: Threat of entry and quality of primary care," *Labour Economics*, 92, 102669.
- Yahmed, Sarra Ben, Francesco Berlingieri, and Eduard Brüll (2025) "Local Labour Market Resilience: The Role of Digitalisation and Working From Home," *Journal of Regional Science*, 65 (5), 1506–1532.

Work in Progress

- Breaking Free from the Not-So-Golden Cage: The Missed Opportunities of Low Job Mobility (with Melanie Arntz, Michael Stopps, and Sarra Ben Yahmed)
- Keeping the Doctor Away (with Oliver Schlenker and Davud Rostam-Afschar)

CONSULTING
PROJECTS

- 12/2023 – present [Second Survey on the Prevalence and Impact of Digitalization and Changes in Employment \(DiWaBe 2.0\)](#)
Federal Ministry of Labour and Social Affairs (BMAS)
Digitalization and its influence on employment structures (2.0)
- 10/2020 – 10/2022 [Job Quality and Firm Success: Panel Study on Development Trajectories in German Establishments – Fifth Wave](#)
Federal Employment Agency/Federal Ministry of Labour and Social Affairs (BMAS)
Longitudinal survey on the development of job quality and success factors
- 10/2020 – 03/2023 [Expert Reports on Fundamental Issues of the Welfare State and the Social Market Economy](#)
Federal Ministry of Labour and Social Affairs (BMAS)
Short expert reports and facilitation of dialogue formats
- 05/2019 – 07/2020 [Mannheim in the Competition for Talent](#)
Stadtmarketing Mannheim GmbH
Analysis of factors to increase the local supply of highly skilled workers

OPEN SOURCE
SOFTWARE

- Eddy's Papers [Search Engine for Economic Research Papers](#)
Development and operation of a search platform for content-based literature search in economics based on the RePEc archive. Enables finding thematically related papers using abstracts, research questions, or text passages instead of keyword-based search. Regularly used by researchers at over 60 universities and research institutions worldwide.
- tidyllm [Tidy Large Language Model Integration for R](#)
tidyllm is an R package that provides access to various Large Language Model APIs, including Anthropic Claude, OpenAI, Google Gemini, Groq, Mistral, and local models via Ollama or OpenAI-compatible interfaces. The package emphasizes simplicity and functionality, integrating modern AI tools into classical data workflows.
- SIAB_DuckDB [Reimplementation of SIAB Data Preparation in R/DuckDB](#)
A high-performance R/DuckDB-based reimplementation of German social security data preparation.

SKILLS

Data Analysis	Analysis in R (tidyverse, data.table), Stata, Python (pandas, scikit-learn) Machine Learning (classical techniques and deep learning) Statistics/Econometrics (regression, causal identification, discrete choice) Data visualization (Shiny, ggplot2, D3.js, Stata) Text analysis (tidytext, tidyllm) GIS (QGIS, RSpatial, openrouteservice) Big data technologies (Polars, DuckDB)
Programming	R (expert) · Python (proficient) · VBA (expert) · Stata (expert) JavaScript (basic) · C++ (basic)
Technologies	LaTeX · Quarto · Excel/VBA · Linux, macOS, Bash, Regex · Version control (git) Web development (HTML, CSS, JavaScript) · SQL · Deep Learning (PyTorch, ggml) Containerization (Docker) · REST APIs
Languages	German (native) · English (fluent/business proficient) Romanian (basic)