DOMINIK BURSY

Economics Graduate
// Data Analytics Professional

ABOUT ME

I am an economics graduate with research interests in Environmental & Development Economics and Political Economy. I am interested in how climate, natural disasters and social issues affect regional economic and human development. This includes political opinion formation and the determinants of individual and collective decision making, as well as the application of modern methods for causal inference and spatial statistics.

EDUCATION

PhD, Economics   10/2024 – Present
Berlin School of Economics & DIW Berlin   Berlin, Germany

Master of Science, Economics   10/2020 – 03/2023
Ludwig-Maximilians-Universität, LMU Munich   Munich, Germany
Thesis: Climate Change Risk and Economic Activity – Urban Implications to Wildfire Exposure

Study Abroad, Erasmus Exchange Program   10/2020 – 02/2021
ENSAE Paris, Institut Polytechnique de Paris   Paris, France
Specialization: Applied Econometrics

Bachelor of Science, Economics   10/2016 – 09/2019
Ludwig-Maximilians-Universität, LMU Munich   Munich, Germany
Thesis: Erroneous Strategic Thinking in Disclosure Games

Study Abroad, Erasmus Exchange Program   09/2018 – 03/2019
University of Warwick   Warwick, UK
Specialization: Microeconomics and Strategic Interaction

PROFESSIONAL EXPERIENCE

Data Expert in Data Intelligence   11/2022 – 03/2024
Allianz SE | Group Data & AI   Munich, Germany
- Focus: Business Data Improvement
- Strategic planning, execution and delivery of data analytics and AI solutions
- Collaboration with technical and business stakeholders to define project goals and deliverables

Professional Certificate: Machine Learning Engineer   03/2023 – 08/2023
Université Paris 1 Panthéon-Sorbonne, DataScientest   Paris, France
- Deployment of Machine Learning models following MLOps principles like CI/CD practices

Working Student in Data Intelligence   05/2021 – 10/2022
Allianz SE | Group Data & AI   Munich, Germany
- Focus: External Data & Data Value Extraction
- Consolidation of external data sources across the company landscape
- Generation of a geospatial dataset using the Google Places API to improve risk classification

Vocational Training as a Marketing Communications Specialist   09/2011 – 01/2014
Getmobile GmbH   Munich, Germany
- Focus: Digital marketing and web design
- Market and competitor analysis using GfK's Reports
- Monitoring of advertising campaigns using Google Analytics

RESEARCH EXPERIENCE

Research Assistant, Ref.: Prof. Kai A. Konrad   06/2019 – 09/2020
Econlab, Max Planck Institute for Tax Law and Public Finance   Munich, Germany
- Organizing and assisting social science experiments
- Recruiting participants and managing the database

Research Assistant, Ref.: Prof. Sascha O. Becker   10/2018 – 08/2019
Department of Economics, University of Warwick   Warwick, UK
- Digitizing data on construction activities and taxation in Germany (see CEPR Discussion Paper)
- Researching German military activity in Poland during World War II

Student Assistant, Ref.: Dr. Alexandra Hauser   07/2017 – 09/2018
Center for Leadership and People Management, LMU Munich   Munich, Germany
- Requirement planning to support the P2P-Mentoring Program
- Managing the homepage (creating articles, adding features, etc.)

TEACHING EXPERIENCE

Student Tutorial for Undergraduates: Macroeconomics 2   04/2021 – 07/2021
Department of Economics, LMU Munich   Munich, Germany
- Introduction to Neoclassical Growth Theory based on the Solow-Swan Growth Model
- Review of comparative statics and discussion of environmental extensions and their implications

Student Tutorial for Undergraduates: Econometrics 2 (R)   07/2017 – 09/2018
Department of Economics, LMU Munich   Munich, Germany
- Introduction to the statistical software R (RStudio)
- Review of methods for the analysis of cross-sectional and panel data

Student Tutorial for Undergraduates: Pre-Course Mathematics   10/2019
Department of Economics, LMU Munich   Munich, Germany
- Review of basic math concepts (Power and Matrix Calculation)

MISCELLANEOUS

Programming   Python, R (RStudio), SQL, Stata, Matlab, LaTeX, HTML & CSS, Git, z-Tree/oTree

Adv. Programming   Bash & Linux, FastAPI, Flask, Docker, Jenkins, Kubernetes, Airflow, MLFlow, Streamlit, Dash

Languages   German (native), English (proficient), French (basic)