DOMINIK BURSY

Economics Graduate

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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

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: Economics of Competition

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
- 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, Stata, R (RStudio), SQL, Stata, Matlab, LaTeX, HTML & CSS, Git, z-Tree/oTree, Spark, Docker, Kubernetes

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