

Daniel A. Seussler Becerra

Data Analysis • Research • Development Economics • Public Health

Education

- February 2023 MSc in Statistics in Economic and Social Sciences, University of Munich
Final Grade: 1.06. Thesis: Identification of Health Risk Factors in Developing Countries using Intrinsic Model Selection Approaches (Grade: 1.0). German grading scale: 1.0 (best) – 5.0 (fail).
- April 2019 BSc in Mathematics, Economics Minor, University of Munich
Final Grade: 2.08. Thesis: Percolation on Trees.
- Non-Degree Semester abroad at the Universidad Complutense de Madrid, Spain (2017 – 2018)
Graduate studies in Mathematics at the Technical University of Munich (2019 – 2020)

Experience

- March 2022 – May 2022 *Research Intern*, United Nations Development Programme, New York, US (remote)
Statistics Unit at the Human Development Report Office under the supervision of Ms. Yanchun Zhang, Chief Statistician. Prepared a report where I assessed the current state of the existing uncertainty quantification methodologies for health and economic indices, as well as composite indicators. Supported daily operations of the unit.
- August 2021 – October 2022 *Research Assistant*, Institute of Political Science, University of Munich
Contributed to the development of several publications on the political economy of international weapons trade for a German Research Foundation-backed project. Managed the entire empirical analysis implementation: performing and documenting data compilation and the statistical modelling in R, providing write-ups of statistical models and translating results into substantive insights.
- May 2020 – December 2021 *Teamlead and Advisor*, Enactus München e.V., Munich
Leading a small team of three, we conceived and implemented an internal audit to assess project progress in the nonprofit, consulted affiliated start-ups in sustainability on their innovation and deployment stage.
- March 2019 – July 2019 *Intern*, Deloitte, Munich
Audit & Assurance: Investment Management division. Supported auditing of private and public investment funds and contributed to financial analyses. Conceived technical concepts to automatise audit routines.

Publications

- Mehrl, Marius, Daniel Seussler, and Paul W. Thurner. 2022. "Money First? Strategic and Economic Interests in the International Arms Trade, 1920-1936." Manuscript submitted for publication.
- Mehrl, Marius, Daniel Seussler, and Paul W. Thurner. 2023. "Sharing Rivals, Sending Weapons: Rivalry and Cooperation in the International Arms Trade, 1920–1939." Manuscript submitted for publication.

Selected Skills

- Statistics Bayesian hierarchical modeling of spatio-temporal data; machine learning and predictive modelling. Passionate about causal inference for public programme evaluation; ML for heterogeneous treatment effects. Survey data statistics and analysis. Remote sensed data for geospatial analyses.
- Tools R, Python, Stata. Stan, PyMC. LaTeX, git and SQL. GIS.
- Languages German (native), professional proficiency in English and Spanish (bilingual), beginner French.