

# DENNIS OLIVER KUBITZA

## Computer Scientist & Economist - Data Enthusiast

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## EXPERIENCE

### Research Employee

#### Federal Institute for Vocational Education and Training (BIBB)

- Jul. 2021 – Present    Bonn, Germany
- Work in the Junior Research Group on Regional Infrastructure and Labour Markets "RISA".
  - Conduct statistical and causal inference analyses using (spatial) econometrics to integrate mobility, regional, and survey data.
  - Create presentations, infographics, statistical evaluations, visualizations, and scientific papers.

### Semantic Data Integration Researcher

#### Fraunhofer IAIS

- Aug. 2019 – Jul. 2021    Sankt Augustin, Germany
- Manage mobility-related research projects, including the "Mobility Data Space" and "LIMBO" projects for Fraunhofer IAIS.
  - Represent the Institute in the "International Data Space Association", contributing to working groups on Architecture and Certification.
  - Work on proposal development and industry acquisitions.
  - Serve as Product Owner for the "EIS-Connector", and programmer for the "IDS-Broker", focusing on both front-end and back-end development (JAVA, REACT).
  - Supervision of two student assistants,

### Lecturer – LaTeX & R Courses

#### University of Bonn

- Mar./Sept./Nov. 2017 – Jun. 2018, Mar. 2020
- Conceptualized, developed, and delivered multiple extracurricular 3- and 5-day programming courses on LaTeX and R.

### Research Assistant

#### Fraunhofer IAIS

- Oct 2018 – Mar. 2019    Sankt Augustin, Germany
- Developed a knowledge graph from GitHub API data, "SemanGit" and implemented use cases for software development analysis.

### Research Assistant

#### brq Institute on Behavior & Inequality

- Mar. 2017 – Sep. 2018    Bonn, Germany
- Assisted on the 'rdpermute' package (Stata and R) for econometric research and implemented automation-testing procedures for a Python package.
  - Assisted in experimental data preprocessing and simulations for behavioral and economic research.

## LANGUAGES

German  
English  
French



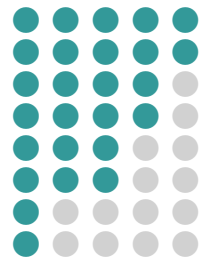
## TRAITS & SKILLS

Calm   Thoughtful   Organized  
Reliable   Curious   Communicative  
Empathetic   Flexible and Mobile

Problem Solving   Analytical Thinking  
Adaptability   Improvisation  
Attention to Detail   Fast Learning

## PROGRAMMING

R  
LaTeX  
Java  
SparQL  
Python  
SQL  
React  
VBA Script



## TECHNOLOGIES

Docker   Hadoop   Spark   Blazegraph  
TensorFlow   React   Spring   Camel  
PostgreSQL   MongoDB   Elasticsearch  
PyCharm   IntelliJ   RStudio   Jupyter  
Stata   GitHub   Bitbucket  
Asana   Jira   Confluence

## HOBBYS

- Passionate about **sailing**, drawn to the calmness of open waters and the teamwork required to navigate together
- Enthusiastic **climber and boulderer**, enjoying the mental focus and problem-solving involved in each ascent
- Enjoy **strategic board games**, embracing tactical thinking and collaborative play

## RECENT & RELEVANT TRAININGS

- **Project Management – The Holistic Life Cycle**  
Volkshochschule Köln (2025, 1 week)
- **New to the leadership role**  
Volkshochschule Köln (2025, 1 week)
- **Speed Reading for Academic Papers**  
Achulio Speed Reading (2024, 3 days)
- **Earth Observation Data in the Social Sciences**  
GESIS – Leibniz-Institute of Social Sciences, Cologne (2023, 2 days)
- **Spatial Econometrics**  
ESS Summer School, University of Essex (2023, 2 weeks)
- **Mathematics of Machine Learning**  
Center for Interdisciplinary Research (ZiF), Bielefeld Uni. (2022, 4 days)
- **Certified Data Scientist for Trustworthy Artificial Intelligence**  
Fraunhofer IAIS, Data scientist trainings (2020, 1 week)
- **Data Scientist for Big Data Infrastructures**  
Fraunhofer IAIS, Data scientist trainings (2019, 1 week)

## PUBLICATIONS

### Journal Articles

- D. O. Kubitza and K. Weßling, “Another one rides the bus – commuting versus moving decisions during the transition to higher education,” *Forthcoming*, 2025.
- D. O. Kubitza, “Match me up before i go-go! estimating matching functions for vet students in spatially connected labour markets,” *Forthcoming*, 2025.
- D. O. Kubitza and K. Weßling, “Whole lotta training-studying school-to-training transitions by training artificial neural networks,” 2025, Preprint available at Econstore.com.
- K. Wessling, J. Detemple, D. Kubitza, I. Loll, and N. Theuer, “Same same but different – was regionen mit ausbildungswünschen und-chancen zu tun haben, und warum das nicht für jede/-n gilt,” *Berufsbildung in Wissenschaft und Praxis*, no. 3, pp. 24–28, 2024.

### Whitepapers & Conference Proceedings

- M. Böckmann, S. Höffler, J. Knoop, H. Schmidt, and D. Kubitza, “Gdpr compliant multi-application data governance: Enhancing the open integration hub with ids and solid,” in *27th ITS World Congress, Hamburg, Germany*, 2021.
- H. Drees, D. O. Kubitza, J. Lipp, S. Pretzsch, and C. S. Langdon, “Mobility data space – first implementation and business opportunities,” in *27th ITS World Congress, Hamburg, Germany*, 2021.
- S. Bader, F. Bruckner, G. Böge, D. O. Kubitza, J. Langkau, and R. Nagel, “Specification ids meta data broker,” in *IDSA White Paper*, 2020.
- D. O. Kubitza, M. Böckmann, and D. Graux, “Semangit: A linked dataset from git,” in *The Semantic Web – ISWC 2019: 18th International Semantic Web Conference, Auckland, New Zealand, October 26–30, 2019, Proceedings, Part II 18*, Springer International Publishing, 2019, pp. 215–228.
- D. O. Kubitza, M. Böckmann, and D. Graux, “Towards semantically structuring github,” in *ISWC Satellites*, vol. 2456, 2019.

## EDUCATION

### External PhD Candidate

#### Maastricht University

 Jan. 2022 – ongoing

- Focus: Regional Economics & Labor Market Statistics

### M.Sc. Computer Science

#### University of Bonn

 Oct. 2016 – Jul. 2019

- Focus: Intelligent Systems and Information Systems

### B.Sc. Economics

#### University of Bonn

 Oct. 2013 – Sep. 2017

- Focus: Statistics, Econometrics, Behavioral Economics

### B.Sc. Mathematics

#### University of Bonn

 Oct. 2012 – Aug. 2016

- Focus: Probability Theory, Discrete Optimization