



## CONTACT

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## CORE SKILLS

- Project Management & Leadership
- Policy Advice & Stakeholder Management
- Quantitative Methods & Experiments (Causal Inference, A/B Testing)
- Applied Social Research

## TECHNICAL SKILLS

- Python (Pandas, NumPy, Scikit-Learn), R, Stata
- SQL (PostgreSQL, MySQL), MongoDB
- ETL & Cloud (AWS, Azure, GCP)
- Data Viz: Tableau, Looker Studio

## LANGUAGES

- German (Native)
- English (Fluent)
- Swedish (Basic)

# DR TIM MÜLLER

PROJECT LEAD (EVALUATION & HEALTH CARE DESIGN) AND SENIOR DATA ANALYST



## PROFILE

I combine extensive experience in evaluation, health care design, and quantitative analysis with a background in data science. In my current role as Project Lead, I coordinate analytical work packages, contribute to methodological decisions, and translate complex health care data into practical guidance for institutional stakeholders. My background includes designing surveys and instruments, building statistical models, and conducting applied analyses in Python, R, and SQL. I excel in positions that require analytical depth, structured problem-solving, and clear communication with decision-makers in health, policy, and research settings.



## WORK EXPERIENCE

### IGES Institut GmbH

SINCE 07/2025

Project Lead (Evaluation & Health Care Design)

- Coordinated analytical packages for two national studies and co-led workshops, aligning with clients (GKV-SV) and stakeholders (MD Bund).
- Secured ca. €250k funding with a methodological tender, developing study concepts and a Python scraping prototype.
- Designed survey instruments for care homes and auditors, establishing a vignette-based item concept to assess inter-rater reliability.
- Contributed to methodological strategy via exploratory R analyses (shrinkage, bias tests); modelled drivers of rising long-term care prevalence using simulations (incidence-duration-model).

### Freelance Data Analyst

07/2024-06/2025

- Specialised in Machine Learning and data engineering (Python: NumPy, Pandas, Scikit-Learn, TensorFlow/Keras; PostgreSQL, MongoDB), focusing on applied analytics solutions.
- Built scalable ETL pipelines and worked with cloud-based data processing (AWS, Azure, GCP) to enable efficient data workflows.
- Developed interactive dashboards and analytics (Tableau, Looker Studio) to support insights and data-driven decision-making.

### Humboldt University of Berlin,

07/2019-06/2024

### Berlin Institute for Integration & Migration Research

Data Analytics Lead (Research Group Leader)

- Led two research groups on radicalisation in adolescence and migration & welfare (10 team members), managing €1.5 million in funding, budgets, and advising policymakers.
- Developed prevention methods (online experiments, video), modelled migration flows and fiscal impacts (GETTSIM/Python), and conducted media analyses (R).
- Presented research to policymakers, stakeholders, and the public.

### Principal Data Analyst (Postdoc)

01/2017 - 06/2019

- Developed concepts for labour market integration of refugees and evaluated language courses.
- Conducted advanced statistical analyses (IV, DiD, Fixed Effects) to assess integration outcomes.
- Advised policymakers as part of Germany's National Integration Plan (NAP-I) and presented findings to academic and public audiences.

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- Expert Council on Integration and Migration, Research Unit**      01/2016 - 04/2017

Senior Project Manager, Data (Postdoc)

  - Developed and validated an intervention to improve academic performance of adolescents with a migration background (800 students, 14 schools).
  - Led research design, funding, fieldwork, personnel; analysed data (ANOVA, multilevel models) and visualised results (Stata, R, Excel).
  - Presented findings to public audiences, trained teachers, and authored publications and reports.
- Humboldt University of Berlin, Berlin Institute for Integration & Migration Research**      11/2015 - 12/2016

Senior Project Manager, Data (Postdoc)

  - Examined teacher influence on academic success of adolescents with a migration background and regional attitudes of teachers.
  - Coordinated the project, served as acting leader, secured third-party funding, and conducted independent analyses (Stata, R, Excel).
  - Communicated results, trained teachers, advised policymakers, and authored publications and reports.
- Institute for Futures Studies, Stockholm & Institute for Analytical Sociology, Linköping University**      05/2013 - 10/2015

Data Analyst (Postdoc)

  - Modelled and analysed migration patterns in urban areas and political attitudes; developed guidelines to reduce socio-spatial segregation.
  - Conducted large-scale data analyses (population register, N=9M) using advanced methods (SQL, Python, Stata, R, ERGM).
  - Designed experiments and A/B tests for surveys; authored publications and presented findings.
- Humboldt University of Berlin, Institute of Social Sciences**      06/2012 - 04/2013

Project Manager, Data Analyst (Postdoc)

  - Analysed public attitudes toward migration and integration (national and regional).
  - Led quantitative data analysis and survey design (N=8,000), including experiments to avoid social desirability bias.
  - Secured third-party funding and presented findings to the public and media.



## EDUCATION

- University of Oxford, Nuffield College**      10/2008 - 08/2013

Doctor of Philosophy (PhD) in Sociology.
- University of Mannheim**      10/2003 - 06/2008

Diploma (equiv. MA) in Social Sciences, focus on Sociology, Social Psychology, Research Methods.