MIRJAM KIRCHNER

Data. Insight. Action!

✉ mirjam.r.kirchner@gmail.com 📞 +49 162 1370029
🐙 https://github.com/MirjamKirchner 🔗 https://www.mirjam-kirchner.com

WORKING EXPERIENCE

Senior Data Scientist

digikoo GmbH

📅 11/2023 – Today 📍 Essen, Germany

- In my role as a technical lead, designed and implemented digikoo's Germany-wide solution to assess a municipality's eligibility for shortened heat planning using dbt on Snowflake.
- Developed a prototype to evaluate the economic efficiency of district heating networks using a Mixed-Integer-Linear-Programme (MILP) modeling approach implemented in the Pyomo Python framework.

(Senior) Data Scientist

One Data GmbH

📅 01/2022 – 10/2023 📍 Munich, Germany

- In my role as technical team lead, successfully guided my team of 3 to deliver a prototype of a financial planning dashboard in a short-term and high-stakes customer project that resulted in winning the customer for an additional contract.
- Supported my technical team lead in managing a team of 5+ individual contributors during the SAP migration of a custom supply- and workforce planning tool.

Consultant

adesso insurance solutions GmbH

📅 12/2020 – 12/2021 📍 Munich, Germany

- Conducted Requirements Engineering for Business Analytics in the private health insurance sector.

EDUCATION

Ph. D. Student in *Statistics and Operational Research*

Lancaster University

📅 10/2018 – 08/2020 📍 Lancaster, United Kingdom

- **Research Topic**: Change-point detection in networked data streams

M. Res. in *Statistics and Operational Research*

Lancaster University

📅 10/2017 – 09/2018 📍 Lancaster, United Kingdom

- **Courses** (excerpt): *Likelihood Inference*, *Bayesian Inference*, *Probability and Stochastic Processes*, *Optimization*
- **Final mark**: 72.83 out of 100 (pass with distinction)

M. Sc. in Management, Business and Economics

RWTH Aachen University

📅 04/2013 – 06/2017 📍 Aachen, Germany

- **Final Mark**: 1.3 (pass with distinction)

M. Sc. in Electrical Engineering, Information Technology and Computer Engineering

RWTH Aachen University

📅 10/2012 – 07/2015 📍 Aachen, Germany

- **Final mark**: 1.5 (very good)

PERSONAL PROJECTS

- **Seal dash board** (*http://where-is-rob-oliver-pandagoesdatascience.eu.pythonanywhere.com*): Scraping, pre-processing and visualization of seal admissions to a rescue station in Friedrichskoog using Python and AWS

- **Analysis of the effect of neuro-stimulation on the resting heart rate** Fitting of a random-effects model to medical-trial data in order to analyze the effectiveness of a medical prototype (neurostimulator)

ACHIEVEMENTS

Conference Speaker *Using geospatial data to solve Germany's heat transition problem*
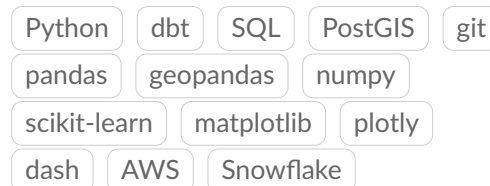
GeoPython

📅 05/2024 📍 Basel, Switzerland

Conference Speaker *Algorithms are stupid (without good data)*

Data Science Ruhr Kongress

📅 09/2022 📍 Bochum, Germany

DATA SCIENCE

Python dbt SQL PostGIS git
pandas geopandas numpy
scikit-learn matplotlib plotly
dash AWS Snowflake

CERTIFICATIONS

- **Snowflake Hands on Essentials** Graded, hands-on learning track for Snowflake and databases in general

- **dbt Fundamentals** Course to learn the foundational steps of transforming data with dbt

LANGUAGES

- German (native)
- English (business fluent)

INTERESTS

Fitness Training Concerts Drawing