

# MIRJAM KIRCHNER

Data. Insight. Action!

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🌐 <https://github.com/MirjamKirchner> 🔗 <https://reverent-pike-8207bd.netlify.app/>



## WORKING EXPERIENCE

### Data Scientist

ONE LOGIC

📅 01/2022 – Today

📍 Munich, Germany

- Successful design of a company-wide workforce planning concept for a large enterprise that led to subsequent commissions and an agreement to proceed with a prototype
- Integration of interview data into an information flow design that enabled the UX/UI team to create a click dummy with high user acceptance

### Consultant

adesso insurance solutions GmbH

📅 12/2020 – 12/2021

📍 Munich, Germany

- Consultation of upper management on a cross-functional data strategy, e.g., by giving a speech at an executive leadership meeting
- Designing and giving customer training sessions regarding adesso insurance solutions's software products with a focus on data models and historisation

## EDUCATION

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

Lancaster University

📅 10/2018 – 08/2020

📍 Lancaster, United Kingdom

- **Research Topic:** Detection of structural changes in networked data streams in cooperation with BT (formerly British Telecom)
- **Activities:**
  - Processing of network data on a Hadoop Cluster using SQL
  - Design of an algorithm for the detection of dependent structural changes in networked data streams in Python

### M. Res. in *Statistics and Operational Research*

Lancaster University

📅 10/2017 – 09/2018

📍 Lancaster, United Kingdom

- **Courses** (excerpt): *Likelihood Inference, Bayesian Inference, Computational Intensive Methods, Probability and Stochastic Processes, Optimisation*
- **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

- **Specialisation:** General Management
- **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

- **Specialisation:** Biomedical Engineering
- **Final mark:** 1.5 (very good)

## DATA SCIENCE

Python & R SQL git statsmodels  
pandas & dplyr numpy scikit-learn  
Java matplotlib, seaborn & ggplot2

Random-effects Models  
Survival Models Regression  
Optimisation Problems Clustering  
Changepoint Detection Classification  
Ensemble Models

## CERTIFICATIONS

🔗 **IBM AI Enterprise Workflow Specialization**  
*Business Priorities and Data Ingestion; Data Analysis and Hypothesis Testing; Feature Engineering and Bias Detection; Machine Learning, Visual Recognition and NLP; Enterprise Model Deployment*

📄 **Certified Professional for Requirements Engineering - Foundation Level**  
Requirements documentation, verification and validation as well as their management throughout the end-to-end product life cycle

## LANGUAGES

- German (native)
- English (business fluent)

## AWARDS

Springorum-Denkermünze Award for exceptional academic achievements

RWTH Aachen University

📅 2018

📍 Aachen, Germany

## INTERESTS

Personal Programming Projects  
High-Intensity-Interval-Training Yoga  
Strength Training Audio Books  
Podcasts Dungeons&Dragons