Wolfgang Spindeler, PhD

Experienced data scientist and analyst with focus on experimentation and product analytics

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Work Experience

DeepL (Germany, Remote Position)

deepl.com is a freemium machine translation service with millions of daily users

05/2023 - now   **Principal Data Scientist - Experimentation**
- Developing DeepL's in-house experimentation platform for automated analysis of hundreds of concurrent AB tests
- Researched and implemented advanced statistical methods for AB testing, e.g. variance reduction via CUPED
- Consulting product and engineering teams with best practices in experimentation and AB testing
- Developing data aggregation pipelines processing several million user records per day

04/2021 – 04/2023   **Data Science Lead - Data Analytics Platform**
- Scaled the product data science and analytics team from 3 to 10 people and lead 5 Data Scientists across two teams
- Lead the development of the experimentation platform
- Machine learning projects for churn and subscription prediction

10/2020 - 03/2021   **Senior Data Scientist - Data Analytics Platform**
- Designed and implemented data pipelines and statistical models for the experimentation platform (Python, SQL)
- Defined and implemented business- and product-metrics for analytics and AB testing

trivago (Düsseldorf, Germany)

trivago.com is a global hotel search platform. My different roles focused on AB testing, anomaly detection, metrics reporting, data infrastructure and team leadership.

02/2020 - 09/2020   **Data Science Team Lead – Marketplace**
- Managed a team of one data scientist and one data engineer
- Developed anomaly detection algorithms based on time series forecasting to quickly detect errors in production data and degression of business metrics
- Led development of automated cleaning and processing of external data sources

01/2017 - 01/2020   **Data Scientist - Marketplace**
- Developed a bayesian statistics library for AB testing in Python
- Main data expert for the customer facing tool `trivago Intelligence`, leading the design and aggregation of reporting and metrics

08/2016 - 12/2016   **Junior Data Analyst - Sales**
- Automated reporting and data exports (Hive, R Shiny)
- Ad hoc and in-depth analysis around customer behaviour

Intense AG (Cologne, Germany)

02/2016 - 07/2016	**Junior Technical Consultant**
	• Technical consulting and project management

University of Münster, Institute of Mathematics (Münster, Germany)

08/2010 - 06/2015	**Research Assistant / Postdoc**
	• Research in pure mathematics with focus on differential geometry
	• Teaching undergraduate tutorials and supervising undergraduate theses
	• Presentations at mathematical conferences and workshops

Educational Background

07/2014	**PhD in Mathematics at the University of Münster**
	Research in Differential Geometry
07/2010	**Diploma in Mathematics from the University of Münster**

Data Science and Analytics Skills

- Data exploration and data analysis (expert)
- Statistical modelling (expert)
- SQL (expert)
- Python (expert)
- Classical machine learning such as linear or logistic regression and tree-based methods (expert)
- ETL job design and development (expert)
- Deep Learning (basic)
- Software Engineering (basic)

Others

Languages: German (native speaker), English (fluent)

Hobbies: Chess, piano, running, Kaggle