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| **Wolfgang Spindeler, PhD**  Experienced data scientist and analyst with focus on experimentation and product analytics | | |
| Roßstraße 78,  40476 Düsseldorf, Germany  +49 176 47300405 | | [wolfgang.spindeler@gmail.com](mailto:wolfgang.spindeler@gmail.com)  [www.linkedin.com/in/wolfgang-spindeler](http://www.linkedin.com/in/wolfgang-spindeler)  <https://github.com/wol-e> |
| **Work Experience** | | |
| **DeepL (Germany, Remote Position)**  [deepl.](https://deepl.com/)[com](https://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)**  [triva](https://trivago.com/)[go.](https://trivago.com/)[com](https://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 | |