JOEL BECK

🎓 EDUCATION

since 09/2020

Georg – August – University Göttingen
Master of Science: Applied Statistics

- Current Average Grade: 1.0 (Top 1%)
- Focus on Machine Learning & Deep Learning
- Master's Thesis in Natural Language Processing

03/2020 | 09/2016

University of Mannheim
Bachelor of Science: Business Mathematics

- Overall Grade: 1.2 (Top 10%)
- Focus on Stochastics und Optimization

12/2018 | 08/2018

University of Oslo
ERASMUS Study Abroad

07/2015 | 09/2007

Ludwigsgymnasium Saarbrücken
Abitur

- Overall Grade: 1.0

🖥 WORK EXPERIENCE

01/2023 | 11/2022

Internship: Data Scientist
eoda GmbH Kassel

- Data Preprocessing, Feature Engineering, Modeling and Design/Infrastructure of Projects
- Blog Posts about the `Tidyverse` and the `Pandas` Library

09/2022 | 10/2021

Teaching Assistant Göttingen
Chair for Econometrics

04/2022 | 04/2021

Research Assistant Göttingen
Chair for Statistics

- Development and Documentation of Liesel, an R & Python Framework for Bayesian Regression Models

06/2020 | 03/2020

Internship: Content Creator
Studybees GmbH Mannheim

- Preparation and Teaching of Online Courses
- Focus on Statistics & Econometrics

2020 | 2018

Teaching Assistant Mannheim
Chair for Probability Theory

CONTACT

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⌂ joel-beck

in https://www.linkedin.com/in/joelbeck07

PROGRAMMING

Python

Data Analysis with `Pandas` & `Polars`

Modeling with `Scikit-Learn` & `PyTorch`

NLP with `SpaCy`, `Gensim` & `Transformers`

Student Projects / Packages:

- readnext: Hybrid Recommender System for Computer Science Papers
- airbnb-oslo: Price Prediction Models for Airbnb Apartments in Oslo

R

Data Analysis + Modeling with `Tidyverse` & `Tidymodels`

Student Projects / Packages:

- postforecasts: Post-Processing Methods for Covid-19 Forecasts
- asp21bridge: Bayesian MCMC Sampler with Ridge Penalty

Utilities

Typescript & Javascript Basics

SQL Databases with SQLite

Backend Development with `FastAPI` & `SQLModel`

Git, GitHub Actions & Docker

Writing

Documentation with `MkDocs`

Blog Posts with `Quarto`

Scientific Writing with `LaTeX`

SCHOLARSHIP

Stiftung der deutschen Wirtschaft since 2016