

# JOEL BECK



## WORK EXPERIENCE

- 01/2023  
|  
11/2022
- **Internship: Data Scientist**  
eoda GmbH Kassel
    - Contributed to MLOps Processes and introduced Unit Testing
    - Built Prediction Models with `Scikit-Learn` & `Tidymodels`
    - Published Blog Posts about the [Tidyverse](#) & `Pandas`
- 09/2022  
|  
10/2021
- **Teaching Assistant Göttingen**  
Master's course Econometrics I
- 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
    - Development and Teaching of Online Courses about Statistics & Econometrics
- 03/2020  
|  
09/2018
- **Teaching Assistant Mannheim**  
Bachelor's course Probability Theory



## EDUCATION

- 09/2023  
|  
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 about Recommender Systems with NLP
- 12/2018  
|  
08/2018
- **University of Oslo**  
ERASMUS Study Abroad
- 03/2020  
|  
09/2016
- **University of Mannheim**  
Bachelor of Science: Business Mathematics
    - Overall Grade: 1.2 (Top 10%)
    - Focus on Stochastics und Optimization



## SCHOLARSHIP

- 2023  
|  
2016
- **Stiftung der deutschen Wirtschaft**  
Awarded for academic achievements and social engagement

## CONTACT

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🌐 [linkedin.com/joelbeck07](https://linkedin.com/joelbeck07)

## PROJECTS

### Python

[readnext](#): Hybrid Recommender System for Computer Science Papers

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

Data Transformation with `Polars`

Clean code, unit testing with `pytest` & [documentation](#) with `MkDocs`

[airbnb-oslo](#): Price Prediction Models for Airbnb Apartments in Oslo

Modeling with `Scikit-Learn` & `PyTorch`

Data Analysis with `Pandas`

### R

[postforecasts](#): Post-Processing Methods for Covid-19 Forecasts

Heavy use of `Tidyverse` packages

[asp2lbridge](#): Bayesian MCMC Sampler with Ridge Penalty

OOP with S3 classes, unit testing with `testthat`

## SKILLS

Python (3 years)

R (3 years)

SQL with `SQLite` (1 year)

Typescript & Javascript (6 months)

Git

CI/CD with Github Actions & Gitlab CI

Docker

Markdown, RMarkdown & Quarto

LaTeX