

# 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

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
  - Building Machine Learning Models to predict Energy Consumption

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

08/2016  
|  
08/2015

- **Voluntary Year of Social Service**  
Saarländische Sportjugend / TBS Saarbrücken

## CONTACT

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🔗 [joel-beck](#)

🌐 <https://www.linkedin.com/in/joelbeck07>

## PROGRAMMING

### Python

Data Analysis and Visualization with NumPy, Pandas, Seaborn & Matplotlib

Modeling with Scikit-Learn & PyTorch

Passion for Package Development and Workflow-Tools

### R

Data Analysis, Visualization and Modeling with tidyverse & tidymodels

Development of two R Packages:

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

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

### Utilities

Git & CI/CD with GitHub Actions / GitLab CI

Basics of Bash & SQL

### Writing

Analysis and Tutorials with [R]Markdown & Quarto

Scientific Writing with LaTeX

## LANGUAGES

### English

IELTS Score: 8.0

## SCHOLARSHIP

Stiftung der deutschen Wirtschaft since 10/2016