



DOMINIK G. EICHHORN

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Munich, GERMANY

dgeichhorn.github.io

in dgeichhorn

ABOUT ME

"For me, work is most fun when you develop together data-driven solutions and put them into practice – turning insights into impact."

STRENGTHS

Motivation

Curious mindset

Analytical thinking

Problem solving

Communication

Team work

Statistics

Machine learning

Data science

Optimization

Modeling

PROGRAMMING

R

Python

SQL

CERTIFICATES (Slctd.)

Machine Learning Specialization

Coursera: [DeepLearning.ai](#)

Neural Networks & Deep Learning

Coursera: [DeepLearning.ai](#)

Improving Deep Neural Networks:
Hyperparameter Tuning,
Regularization & Optimization

Coursera: [DeepLearning.ai](#)

Practical Time Series Analysis

Coursera: [State University of New York](#)

Survival Analysis in R

Coursera: [Imperial College London](#)

PUBLICATIONS

Hausenblas, P., Eichhorn, D., Brieden, A., Soppert, M., Steinhardt, C. (2025). *Improving network dynamic pricing policies through off-line reinforcement learning*. OR Spectrum. <https://link.springer.com/article/10.1007/s00291-025-00821-2>.

EDUCATION

Ph.D. in Statistics

University of the Bundeswehr Munich

Since May 2022

Offline Reinforcement Learning, Asymptotic Statistical Theory

M.Sc. Management & Technology

Grade: 1.2

Technical University Munich

Oct 2019 – Apr 2022

Major: Finance, Minor: Computer Science

Exchange Semester

Université Libre de Bruxelles

Sep 2020 – Jan 2021

B.Sc. Mathematics

Grade: 2.0

Technical University Munich

Oct 2015 – Sep 2019

Specialization: Statistics

B.Sc. Economics & Business

Grade: 1.7

Goethe University Frankfurt a.M.

Oct 2012 – Nov 2016

German High School Diploma (Abitur)

Grade: 1.3

Siebold Gymnasium Würzburg

Sep 2004 – Jun 2012

INDUSTRY EXPERIENCE

PwC – Project work in “Predictive Maintenance”

Apr 2021 – Jun 2021

Munich

Manually engineered a machine learning model in R for predictive maintenance and benchmarked several AutoML solutions against it

Allianz SE – Intern in “Business Intelligence”

Jun 2019 – Aug 2019

Munich

- Built an automated competitor monitoring in R for car fleet insurances
- Performed targeted data analysis & visualization in R for senior management and stakeholders

BayernLB – Intern in “Credit Portfolio Risk”

Aug 2017 – Oct 2017

Munich

Supported the testing of the new internal credit portfolio model

ACHIEVEMENTS



Top 10% in Master's Program

Graduated within the best 10% of students in my master's program based on academic performance



Abiturpreis der Deutschen Mathematiker-Vereinigung (DMV)

Awarded for outstanding results in the mathematics Abitur examination

LANGUAGES

German	Native
English	Fluent
French	Basic
Latin	"Großes Latinum"

HOBBIES

Rowing in a crew

Cycling

Cooking

Travelling

Reading

ACADEMIC EXPERIENCE

Chair of Statistics

University of the Bundeswehr Munich

📅 May 2022 – Sep 2025

Research and teaching assistant with the following activities:

- Conducted independent research within the scope of a doctoral programme
- Actively contributed to research projects at the chair
- Had responsibility for the exercise track for bachelor's and master's courses in statistics & data analytics and held the corresponding classes
- Led a team of student teaching assistants
- Supervised final theses, some of them in cooperation with CapGemini and Versicherungskammer Bayern
- Supervised seminars, some of them in cooperation with the Versicherungskammer Bayern at executive level

Institute of Computer Science

Technical University Munich

📅 Oct 2021 – Apr 2022

Student teaching assistant for "Data Analysis & Visualization in R"

Chair of Mathematical Modelling of Biological Systems

Technical University Munich

📅 Oct 2018 – Feb 2019

Student teaching assistant for "Applied Regression"

Chair for Strategy & Organization

Technical University Munich

📅 Mar 2018 – Jun 2018

Student research assistant

Chair of International Economic Policy

Goethe University Frankfurt a.M.

📅 Sep 2014 – Nov 2014

Student research assistant

Chair of Economic Development & Integration

Goethe University Frankfurt a.M.

📅 Mar 2014 – Sep 2014

Student teaching assistant for "Introduction to Economics"

Ergolding, 18.09.2025