DOMINIK G. EICHHORN

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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

EDUCATION

Ph.D. in Statistics
University of the Bundeswehr Munich
📅 Since May 2022
Offline reinforcement learning, asymptotic statistical theory

M.Sc. Management & Technology   Grade: 1.1
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 stakeholders & senior management

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 & teaching assistant with the following activities:
- Conducted independent research within the scope of a doctoral programme
- Actively contributed to research projects at the chair
- Held exercise sessions for bachelor's & master's courses in statistics & data analytics
- Lead a team of student teaching assistants
- Supervised final theses, some of them in cooperation with CapGemini and Versicherungskammer Bayern

Chair of Computational Molecular Medicine
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"

PUBLICATIONS