# DOMINIK G. EICHHORN

@ dominik.g.eichhorn@gmail.com    📞 +49 177 4845132
✉ Wiesenstraße 14 b, 84030 Ergolding, GERMANY
📍 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 offline 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"

D. Eichl

Ergolding, 18.09.2025