Luis Hasenauer

Gainesville, Florida | l.hasenauer@ufl.edu | [Personal Website](#)

EDUCATION

University of Florida   **Gainesville, Florida**
Ph.D. Statistics   August 2025 - present
- Relevant Coursework: Statistical Computing, Regression Analysis, Theoretical Statistics

University of Wisconsin-Milwaukee   **Milwaukee, Wisconsin**
M.Sc. Mathematics (GPA: 4.0)   September 2024 - May 2025
- Relevant Coursework: Regression Analysis, Computational Statistics, Time Series Analysis, Probability Models
- Thesis: Bootstrap-Based Robustness Analysis of Parameter Optimization in Climate Models Using QuadTune

FH Aachen University of Applied Sciences   **Juelich, Germany**
M.Sc. Applied Mathematics and Computer Science   September 2023 - August 2025
- Relevant coursework: Mathematical Statistics, Probability Theory, Machine Learning, Deep Learning

FH Aachen University of Applied Sciences   **Cologne, Germany**
B.Sc. Applied Mathematics and Computer Science   September 2020 - August 2023
- Relevant coursework: Machine Learning, Data Science, Statistical Computing, Probability Theory, Software Engineering, Databases
- Thesis: Stochastic methods for uncertain performance matrices in Multi-Criteria Decision Analysis with an application to the transition process towards sustainable mobility

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WORK EXPERIENCE

University of Florida   **Gainesville, Florida**
Teaching Assistant   August 2025 - present

Ernst & Young (EY)   **Duesseldorf, Germany**
IT-Consulting/Audit Intern (Financial Services)   June 2025 - July 2025
- Assisted in the assessment of IT general controls (ITGCs) for client systems during financial audits
- Participated in client meetings and walkthroughs to document and evaluate IT processes and internal controls
- Assisted in assessing clients' readiness and compliance with the Digital Operational Resilience Act (DORA)

University of Wisconsin-Milwaukee   **Milwaukee, Wisconsin**
Teaching Assistant   August 2024 - May 2025

FH Aachen University of Applied Sciences   **Juelich, Germany**
Research Associate   April 2024 - July 2024
- Implemented prior-data conflict checks in Bayesian frameworks (Python: NumPy, SciPy)
- Modeled a likelihood function for analyzing stakeholder preference data

Research Assistant   September 2023 - February 2024
- Conducted research on stochastic methods in multicriteria decision analysis using Bayesian statistics
- Developed Markov-Chain Monte-Carlo algorithms for constrained sampling spaces, reducing computation time by over 95% (Python: hopsy, NumPy, Numba); see [GitHub](#)

Software Engineer   September 2020 - August 2023
- Built desktop and web applications for interactive decision analysis (Python: PyQt, Flask; HTML, JavaScript, CSS)
- Refactored MATLAB-based classification boundary tool to Python, improving usability; see [GitHub](#)

SKILLS & CERTIFICATIONS

Languages: English (fluent), German (native)

Programming & Tools:
- Proficient: Python (NumPy, SciPy, Matplotlib, etc.), R, Git
- Familiar with: Java, MATLAB, Maple, C++, SQL, HTML, CSS, JavaScript

Certification: Mathematical-Technical Software Developer (IHK, DQR/EQF Level 4)

PUBLICATIONS & MANUSCRIPTS

Matthias Grajewski, **Luis Hasenauer**, Janis Papewalis, Stefan Vögele, Dirk Rübbelke (2025, under review). *Reverse-engineering stakeholders' attitudes from observed preferences and quantitative data by Inverse Stochastic Multicriteria Acceptability Analysis.* Submitted for publication.

HONORS & AWARDS

Grinter Fellowship at University of Florida   August 2025 - May 2028
Added incentive of $2000 per year for recruiting new, truly exceptional Doctor of Philosophy students to UF

Deutschlandstipendium Scholarship at FH Aachen   October 2024 - August 2025
€300/month national scholarship awarded based on academic achievement

Chancellor's Graduate Student Support Award at UW-Milwaukee   September 2024 - May 2025
Award in the amount of $2400 recognizing academic excellence in graduate studies

TEACHING EXPERIENCE

As Teaching Assistant
tbd, University of Florida   Fall 2025

As Instructor
Quantitative Models for Business (undergraduate course), University of Wisconsin-Milwaukee   Spring 2025
Quantitative Models for Business (undergraduate course), University of Wisconsin-Milwaukee   Fall 2024

INVOLVEMENT

Department Committees at FH Aachen
Member, Quality Improvement Committee   September 2021 - August 2024
Member, Faculty Appointments Committee for Applied Computer Science   2022 - 2023