Curriculum Vitæ

Leo G. Levenius

His Majesty's Obedient and Humble PhD Aspirant

Summary

PhD Candidate in Survival Analysis at the Department of Mathematics at Stockholm University under the supervision of Associate Professor Mathias Millberg Lindholm. Researching how to incorporate machine learning for modelling life and health sequences.

Education

Master of Science in Actuarial Mathematics *June 2025*
Stockholm University

Bachelor of Science in Mathematics *Dec. 2024*
Stockholm University

Bachelor of Science in Mathematical Statistics *June 2023*
Stockholm University

Academic Experience

PhD Candidate in Mathematical Statistics *Oct. 2025 – Oct. 2030*[†]
Stockholm University

Amanuensis in Mathematical Statistics *Aug. 2023 – July 2025*
Stockholm University

Theses

- **M.Sc.** *Den Cramérska assuransmatematiken*, 2025.
- **B.Sc.** *Mersenne Primes and the Quest to Find Them*, 2024.
- **B.Sc.** *Användning av logistisk regression för att prediktera utfallet i snooker*, 2023.

Presentations

- *Boosted Varying Coefficients for Interpretable Multi-State Recurrent Event Modelling*. Scandinavian Actuarial Conference, 2026.
- *Multi-State Health Processes + AI*. PhD Math Fest 2026.
- *The Cramér-Lundberg Ruin Theory*. PhD Seminar, 2025.

[†]Expected

Teaching Experience

Non-Life Insurance Pricing *Autumn 2026*
Grading, supervising projects

Inference and Prediction for Life and Health Processes *Autumn 2026*
Grading, supervising projects

Risk Models and Valuation in Life and Disability Insurance *Autumn 2025*
Grading, supervising projects

Challenging Mathematics *Summer 2024, 2025*
Grading hand-ins, conducting oral exams, mentoring

Introductory Course in Mathematics *Summer 2024, 2025*
Grading hand-ins, exams; mentoring, administration

Probability Theory II *Spring 2024, 2025*
Grading hand-ins, holding exercise sessions

Probability Theory I *Autumn 2023, 2024*
Grading, writing, supervising hand-ins; grading, writing exams; holding exercise sessions

Statistical Data Processing *Autumn 2023, 2024*
Grading hand-ins

Introduction to Data Processing *Summer 2023*
Grading hand-ins, projects

Thesis Supervision

All theses are at the undergraduate level in the field of Mathematical Statistics. In co-supervision with Professor Ola Hössjer.

- **Mostafa Amini**, *Estimation of Extreme One-Year Catastrophe Losses by Monte Carlo and Importance Sampling*, 2026.
- **Yones Mestar**, *Simulation Study of Cumulative Hazard Estimators Under Nonparametric, Cox, and Gradient Boosting Frameworks*, 2026.
- **Alvar Mikkola**, *Model Risk in the Cramér–Lundberg Model: The Impact of Clustered and Dependent Claims*, 2026.
- **Anton Pinet Magnusson**, *A Comparison of Different Reinsurance Contracts: Stop-Loss, Excess-of-Loss and Proportional Reinsurance*, 2026.
- **Ashkan Safaee**, *Grokking through the lens of information theory*, 2026.
- **Turkinaz Örkash**, *Vad hade vi tjänat utan covid-19?: Tidsserieanalys av löneutveckling per utbildningsnivå i Sverige*, 2026.

Prizes

- Stockholm Mathematics Centre Prize for Excellent Master Thesis, 2024/25.
- Mittag-Leffler Prize for Excellent Master Thesis, 2024/25.
- Mittag-Leffler Prize for Excellent Bachelor Thesis, 2024/25.

Elected Positions

- Member of the Department of Mathematics Board at Stockholm University, since *Oct. 2026*.[1]
- Deputy Member of the Grants Committee in Mathematical Statistics at Stockholm University, since *Oct. 2026*.
- Member of the Recruitment Committee for Doctoral Candidates in Mathematical Statistics at Stockholm University, since *Oct. 2025*.
- Chairman of the Board of Salvator Data AB, since *feb. 2023*.

Memberships

- **Swedish Society of Actuaries**, since *Feb. 2026*.

Personal Information

- **Date of birth:** 2001-10-10
- **Citizenship:** Swedish
- **Address:** Stockholm University, SE-106 91 Stockholm, Sweden
- **E-mail:** leo.levenius@math.su.se
- **Website:** www.su.se/english/profiles/l/levenius
- **LinkedIn:** www.linkedin.com/in/leo-levenius
- **Google Scholar:** Leo G. Levenius

Last updated: October 7, 2026

[1] Deputy member *Oct. 2025 – Oct. 2026*.