

CURRICULUM VITÆ

Leo G. Levenius

His Majesty's Obedient and Humble PhD Aspirant

SUMMARY

PhD Student 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 Student 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 Grading, supervising projects	<i>Autumn 2026</i>
Inference and Prediction for Life and Health Processes Grading, supervising projects	<i>Autumn 2026</i>
Risk Models and Valuation in Life and Disability Insurance Grading, supervising projects	<i>Autumn 2025</i>
Challenging Mathematics Grading hand-ins, conducting oral exams, mentoring	<i>Summer 2024, 2025</i>
Introductory Course in Mathematics Grading hand-ins, exams; mentoring, administration	<i>Summer 2024, 2025</i>
Probability Theory II Grading hand-ins, holding exercise sessions	<i>Spring 2024, 2025</i>
Probability Theory I Grading, writing, supervising hand-ins; grading, writing exams; holding exercise sessions	<i>Autumn 2023, 2024</i>
Statistical Data Processing Grading hand-ins	<i>Autumn 2023, 2024</i>
Introduction to Data Processing Grading hand-ins, projects	<i>Summer 2023</i>

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 Recruitment Committee for Doctoral Students in Mathematical Statistics at Stockholm University, since *Oct. 2025*.
- Deputy member of the Department of Mathematics Board 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/1/levenius
- **LinkedIn:** www.linkedin.com/in/leo-levenius
- **Google Scholar:** Leo G. Levenius

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