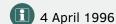


Eva Verschueren

Ph.D. Student





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Personal website

@ evaverschueren@outlook.com

Technical Skills —

Latex

Matlab

Python

R

Word, PowerPoint, Excel

Languages

Dutch

English

French

Data Mining

Core Courses ——

Financial Engineering,
Advanced Life Insurance Math,
Data science for Non-Life Insurance,
Foundations of Quantitative Risk
Measurement,
Statistics for Finance and Insurance,
Machine Learning and Inductive
Inference,

About Me

I am a Mathematician with an analytical and problem-solving mindset, currently working as a Ph.D. student in Actuarial Science. While working and pursuing a master's degree in Actuarial and Financial Engineering simultaneously, I honed my abilities to handle pressure, efficiently manage my time, and meet deadlines. My engagement as a math tutor and teaching assistant on actuarial coursework highlight my intellectual, teaching and presentation skills. I have a positive mindset in everyday life and highly value opportunities for collaboration and interaction with others. I possess a strong desire to learn and grow and I am not afraid to tackle new challenges and expand my skill set.

[Education]

2019-... Ph.D. in Actuarial Science

Leuven, BE

KU Leuven

Promotor-team: Prof. Katrien Antonio & Prof. Wim Schoutens.

2021-2023 M.Sc. Actuarial & Financial Engineering

Leuven. BE

KU Leuven, GPA: 91% - Summa Cum Laude with congratulations of

the examination committee

Thesis: On the pricing of capped volatility swaps using machine learning techniques.

2017-2019 M.Sc. Mathematics

KU Leuven, GPA: 87% - Summa Cum Laude

Leuven, BE

Thesis: Simultaneous estimation of the physical and pricing density with applications in option positioning (winner of IA|BE Thesis Prize

2020).

2014-2017 B.Sc. Mathematics

Leuven, BE

KU Leuven, GPA: 78% - Magna Cum Laude

2008-2014 **Economics – Mathematics**

Vorselaar, BE

Kardinaal van Roey-instituut, GPA: 91%

[Experience]

Ph.D. Student in Actuarial Science

September 2019 - Present, Leuven, BE

KU Leuver

- On quantitative finance and the use of tree-based machine learning in finance and insurance.
- Projects in collaboration with industry partners and JRC European Commission.
- Day-to-day coordinator and work leader for master's thesis in M.Sc. Actuarial & Financial Engineering.
- Teaching Assistant for courses in M.Sc. Actuarial & Financial Engineering, M.Sc. Mathematics and B.Sc. Mathematics, Physics and Computer Science.

Teaching Assistant in Mathematics

February 2019 - June 2019, Leuven, BE

KU Leuven

RiskConcile

- Guidance of exercise sessions for the course *Wiskunde I* in first B.Sc. of various scientific disciplines.

Internship in Mathematical Finance

September 2018, Leuven, BE

- Python code for the calibration of pricing models on volatility surfaces.
- Python code for the valuation of exotic options.