



Eva Verschueren

Ph.D. Student



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Personal website



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Technical Skills

Latex

Matlab

Python

R

Word, PowerPoint, Excel

Languages

Dutch

English

French

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,
Data Mining

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 KU Leuven Promotor-team: Prof. Katrien Antonio & Prof. Wim Schoutens.	Leuven, BE
2021-2023	M.Sc. Actuarial & Financial Engineering KU Leuven, GPA: 91% - Summa Cum Laude with congratulations of the examination committee Thesis: <i>On the pricing of capped volatility swaps using machine learning techniques.</i>	Leuven, BE
2017-2019	M.Sc. Mathematics KU Leuven, GPA: 87% - Summa Cum Laude Thesis: <i>Simultaneous estimation of the physical and pricing density with applications in option positioning</i> (winner of IA BE Thesis Prize 2020).	Leuven, BE
2014-2017	B.Sc. Mathematics KU Leuven, GPA: 78% - Magna Cum Laude	Leuven, BE
2008-2014	Economics – Mathematics Kardinaal van Roey-instituut, GPA: 91%	Vorselaar, BE

Experience

Ph.D. Student in Actuarial Science KU Leuven	September 2019 - Present, Leuven, BE
<ul style="list-style-type: none">- 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 KU Leuven	February 2019 - June 2019, Leuven, BE
<ul style="list-style-type: none">- Guidance of exercise sessions for the course <i>Wiskunde I</i> in first B.Sc. of various scientific disciplines.	
Internship in Mathematical Finance RiskConcile	September 2018, Leuven, BE
<ul style="list-style-type: none">- Python code for the calibration of pricing models on volatility surfaces.- Python code for the valuation of exotic options.	