

CURRICULUM VITAE

Mohamed Hanafy Kotb Ibrahim

School of Risk & Actuarial Studies
UNSW Business School
UNSW Sydney

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Education

- ◇ **Doctor of Philosophy in Risk and Actuarial Studies** 2024–present
UNSW Business School, Sydney, Australia
Supervisors: Eric C.K. Cheung, Andrés Villegas Ramirez, and Jae Kyung Woo
- ◇ **Master of Pre-Doctoral Business Studies** 2023–2024
UNSW Business School, Sydney, Australia
Supervisors: Eric C.K. Cheung, Andrés Villegas Ramirez, and Jae Kyung Woo
- ◇ **Master's Degree in Statistics and Mathematics** 2019–2022
Zhejiang Gongshang University, Hangzhou, China
with First-Class Honours — Highest grades among all students
- ◇ **Bachelor's Degree in Statistics, Mathematics, and Insurance** 2013–2017
Assiut University, Assiut, Egypt
with First-Class Honours — Highest grades among all students

Research Interests

Insurance Pricing ◇ Machine Learning ◇ Reinforcement Learning ◇ Optimization

Teaching at UNSW, Sydney, Australia

Responsibilities: Prepare materials, teach tutorials, consultations, mark assignments, participate in marking final exams, and administrative tasks.

COMM5601	Interdisciplinary Applications of Analytics Techniques	Term 1, 2026
ACTL5305	Actuarial Data Science Applications	Term 3, 2025
ACTL5111	AI & Deep Learning Models for Risk and Insurance	Term 2, 2025
RISK5003	Risk Decision Analytics	Term 2, 2025
COMM5601	Interdisciplinary Applications of Analytics Techniques	Term 1, 2025

Teaching at Assiut University, Assiut, Egypt

Applied Statistics	Spring 2022
Investment Mathematics	Spring 2022
Operations Research	Fall 2021/2022
Insurance & its Mathematics	Spring 2019

Conferences and Presentations

- ◇ **Australasian Actuarial Education and Research Symposium (AAERS)**, UNSW Sydney, Australia, 2025
- ◇ **Actuarial, Finance, Risk and Insurance Congress 2 (AFRIC 2)**, Kenya, 2025

Awards and Honours

- ◇ **3MT Prize Competition**, UNSW Sydney (University Level) 2025
- ◇ **3MT Prize Competition**, UNSW Business School 2025
- ◇ **Dean's List for Academic Excellence**, UNSW Business School 2024

- ◇ **First-Class Honours**, Zhejiang Gongshang University 2022
Highest grades among all students in the Master's program
- ◇ **First-Class Honours**, Assiut University 2017
Highest grades among all students in the Bachelor's program

Other Activities

- ◇ **Higher Degree Research Student Representative**, UNSW Business School Research Committee
Academic Year 2026
Representing HDR students from UNSW Business School to the Faculty Research Committee

Technical Skills

Actuarial Science ◇ Data Analysis & Statistics ◇ Machine Learning ◇ R Programming
◇ Python

References

- ◇ **Eric C.K. Cheung**
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UNSW Business School
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- ◇ **Andrés Villegas Ramirez**
Associate Professor
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UNSW Business School
Email: a.villegas@unsw.edu.au
- ◇ **Jae Kyung Woo**
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