

# Benjamin Roelants

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## Education

### Mathematics, Statistics, Biostatistics and Physics

- 2024 – ... **University certificate in biostatistics**, Université Libre de Bruxelles, Brussels.
- 2021 – ... **PHD student in actuarial sciences and quantitative finance**, Université Libre de Bruxelles, Brussels.
- 2018 – 2020 **Master in actuarial sciences**, *Magna cum laude*, Université Libre de Bruxelles, Brussels.
  - *Awards*: P&V award, IABE second price and AScBr third price.
- 2011 – 2013 **Master in civil engineering, orientation applied physics**, Ecole Polytechnique de l'Université Libre de Bruxelles, Brussels.

### Public Administration and Political Sciences

- 2017 – 2018 **Master, Public action in Europe**, *Magna cum laude*, Université Paris 1 Panthéon-Sorbonne, Paris.
- 2017 – 2018 **Long International Cycle**, *Magna cum laude*, École Nationale d'Administration (ENA), Strasbourg.
- 2015 – 2016 **Master in interdisciplinary analysis of the european construction**, *Magna cum laude*, Institut des Études européennes de l'Université Libre de Bruxelles, Brussels.
- 2014 – 2015 **Two certificates of 20 ECTS each**, *Cum laude*, Université Catholique de Louvain, Louvain.
  - Certificate in international relations and conflict analysis [20 ECTS]
  - Certificate in analysis of major powers [20 ECTS]

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## Work experience

### Entrepreneur

- 2020 – ... **Founder and Senior Consultant**, *Altaïr*, Brussels.
- *Consulting Platform*: Consulting missions in the insurance and the banking sector.
  - *Education Platform*: Statistical, actuarial and coding training for companies, individuals and the public sector.
  - *Software Platform*: Participation in the creation of a software in the banking sector.
- 2015 – 2020 **Founder**, *ClassPro*, Brussels and Luxembourg.
- Foundation and development of a start-up in the field of education and digital technology.
  - Leader of a teaching team of around ten teachers.
  - Teaching mathematics and physics to bachelor students in polytechnics, Solvay and medicine.

### Teaching

- 2024 – 2024 **Lecturer**, *IÉSEG*, Lille.
- Quantitative methods for economics and finance; head teacher: Jeremie Lefebvre
  - Financial instruments and technology; head teacher: Cogneau Philippe
  - Derivatives and real options; head teacher: Paul Zimmermann
- 2020 – 2023 **Teaching assistant**, *Sciences Faculty of the Université Libre de Bruxelles*, Brussels.
- ACTU-F401: Financial models 1 (discrete time); head teacher: Griselda Deelstra
  - ACTU-F4002: Financial models 2 (continuous time); head teacher: Griselda Deelstra
  - ACTU-F504: ALM; head teacher: Céline Azizieh
  - MATH-F112 Mathematics 1: head teacher: Julie de Saedeleer

### Public sector

- 2016 – 2017 **Préfecture du Doubs**, *Stagiaire ENA*, Besançon.
- 2016 – 2017 **European Commission**, *Directorate-General for Mobility and Transport (DG MOVE)*, Aviation Safety Unit, Blue Book trainee, Brussels.
- 2016 – 2016 **European Parliament**, *Team of the MEP Marie Arena*, Brussels.

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## Computer skills

- ★★★ R, R Shiny, R Markdown, LaTeX
- ★★ Python, SQL
- ★ SAS, VBA, Matlab, C++

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## Languages

- French C2
- English C1
- Dutch B2

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## Track record of actuarial missions

- 10/21 – 05/22 Pricing of a new product, Life insurer.
- 05/22 – 07/22 Assumptions Settings, Life insurer.
- 04/22 – 08/22 Pricing training and pricing support, Non life insurer.
- 09/22 – 10/22 Assumptions Settings, Life insurer.
- 11/22 – 06/23 Pricing of a new product, Life insurer.
- 08/23 – 10/23 Pricing of a new product, Non life insurer.
- 05/23 – 02/24 Porfolio migration, Belgian actuarial consulting firm
- 03/24 – 09/24 Automation of the actuarial reporting process, Luxembourg insurer

