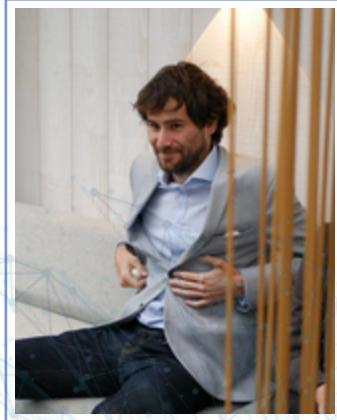


# Benjamin Roelants

Consultant

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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.
- *Title of my master thesis:* « Valorisation d'un contrat d'assurance vie avec un modèle d'Heston-Hull et White<sup>2</sup> ».
  - *Supervisor:* Griselda Deelstra
  - *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.
- *Title of my master thesis:* « Etude numérique du phénomène d'attraction de polarisation en configuration non colinéaire»
  - *Supervisor:* Marc Haelterman

### Public Administration and Political Sciences

- 2017 – 2018 **Master, Public action in Europe**, *Magna cum laude*, Université Paris 1 Panthéon-Sorbonne, Paris.
- *Title of my master thesis:* « La quête messianique des fédéralistes vers les élections européennes directes de 1979. Objectif politique ou instrument stratégique? »
  - *Supervisor:* Didier Georgiakakis
- 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]

## Work experience

### Self-entrepreneur

- 2020 – ... **Founder and consultant**, Altaïr, Brussels, <https://altair-consult.com/>. Foundation and development of a start-up providing consulting services in actuarial sciences, quantitative finance and data science.

- 2015 – 2020 **Founder**, ClassPro, Brussels and Luxembourg.  
Foundation and development of a start-up in the field of education and digital technology. The company currently has around 15 employees, is based in Belgium and Luxembourg and has a turnover of around 2.5 million euros. In this context, I led various projects and managed teams from two to ten people.

### Teaching

- 2024 – ... **Lecturer**, IÉSEG, Lille.
- Quantitative methods for economics and finance; head teacher: Jeremie Lefebvre
  - Financial instruments and technology; head teacher: Cogneau Philippe

- 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.

## Computer skills

- Languages Good knowledge in R, R shiny, R markdown, Latex.  
Intermediate knowledge in SQL, Python and VBA.

## Languages

- |         |    |
|---------|----|
| French  | C2 |
| English | C1 |
| Dutch   | B2 |

## 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 – ... Portfolio migration (actuarial formulas + IT), Belgian actuarial consulting firm