

Benjamin Roelants

Consultant

56 Avenuedu paepedelle
1160 Auderghem
Belgium

+32 493 46 41 07

✉ benjamin.roelants@altair-consult.com



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 White² ».
 - *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**, *Altair*, 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

