

# BAVO (DE COCK) CAMPO



## CONTACT

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📄 Publication list

## EDUCATION

### PhD in Actuarial Science

📅 Present 📍 KU Leuven

### MSc in Statistics

📅 2019 📍 KU Leuven  
Magna Cum Laude

### BSc/MSc in Psychology

📅 2012/2014 📍 KU Leuven

## GENERAL SKILLS

### Programming

R	●●●●●
LaTeX	●●●●●
C++	●●●●●
Python	●●●●●
SAS	●●●●●

### Operating Systems

Windows	●●●●●
Linux	●●●●●
MacOS	●●●●●

### Data analytics

Data preprocessing (e.g. identifying inconsistencies)	●●●●●
Data wrangling	●●●●●
Data visualization	●●●●●
Exploratory analysis	●●●●●
In-depth analysis	●●●●●
Predictive modeling	●●●●●

### Modeling techniques

Statistics	●●●●●
Machine learning	●●●●●

### Languages

Dutch	●●●●●
English	●●●●●
French	●●●●●
German	●●●●●

## WORK EXPERIENCE

### Doctoral researcher at KU Leuven

Dpt. of Accountancy, Finance and Insurance

📅 10/2019 - Present

My research focused on how to reduce hierarchically structured categorical variables (e.g. hospitals and patients within hospitals) to their essence, how to construct predictive models when both subject-specific and hierarchically structured variables are available and on designing a simulation engine to generate synthetic fraud network data.

- Developed workflows for the construction and validation of prediction models;
- Took responsibility for planning, organizing, programming, executing and analyzing research;
- Stayed up to date with and applied state-of-the-art statistical and machine learning techniques in my research projects;
- Developed 5+ statistical software packages, of which 1 is published on CRAN;
- Presented intermediate research results at international conferences;
- Assisted and advised colleagues with programming related questions;
- Guided 9 master thesis students.

### Senior Data Scientist at an insurance company (confidential)

Data Analytics Dpt.

📅 10/2019 - Present

- Translated the insurance company's research questions into an analysis plan;
- Presented research results to the insurance company in a clear and concise manner;
- Analyzed and improved the insurance company's pricing model, which is currently implemented and used by the company;
- Provided confidential reports about research results, tailored and documented statistical software to be used by the insurance company;
- Ensured continuation of a research project of a post-doctoral researcher.

### Statistical researcher at KU Leuven

Dpt. of Development and Regeneration

📅 02/2015 - 09/2018

As part of the statistical unit of the International Ovarian Tumor Analysis (IOTA) group I performed, reported and discussed the results of the statistical analyses.

- Worked on 20+ research projects, both clinical and methodological;
- Contributed to highly influential research published in high impact journals, such as The Lancet Oncology, and which resulted in a total of 900+ citations;
- Managed database of one of the longest running international prospective cohort studies to date (i.e. the IOTA5 study with a follow-up of 9 years);
- Developed 10+ statistical software packages, of which 1 is published on CRAN and 3 that are still actively being used internally.

### Voluntary research associate at KU Leuven

Dpt. of Managerial Economics, Strategy and Innovation

📅 03/2016 - 04/2019

Worked as a consulting statistical researcher on (confidential) projects for the private sector.