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 adviced 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 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.