

WORK EXPERIENCE

2022–present **CMC Statistician - VectivBio**

Designing experiments, modelling and analyzing data. Mostly related to analytical methods (e.g., validation studies, method transfers).

2020–present **Statistician/Data scientist - Quantoom Biosciences/Univercells**

Responsible for all data-related matters within Quantoom. I work with scientists to Design Experiments and statistically model and analyze data. I also create tools for automating recurrent analyses in R.

2019–2021 **Part time post doctoral researcher - KU Leuven**

Continuing my research on treatment-subgroup interactions, treatment regimes, and tree-based methodologies (decision trees, random forests, bagging, boosting).

2019–2020 **Data and business intelligence trainer - U2U**

Training IT- and Business Professionals on topics like data science with Microsoft Azure Machine Learning, Cognitive Services and Python, Power BI, T-SQL, Power Apps, Power Automate, SharePoint Online.

2018–2019 **Data analyst - Proximus**

Data analyst at Customer Operations department. Descriptive, prescriptive and predictive analyses.

2014–2018 **PhD – Research Group Quantitative Psychology and Individual Differences – KU Leuven**

Studying, developing and implementing statistical methods to identify treatment-subgroup interactions and to estimate tree-based treatment regimes from Randomized Clinical Trial Data.

EDUCATION

2020 – 2021 **Pharmalex courses**

Courses/1:1 training: Design of Experiments, Bayesian statistics, Analytical method validation and transfers.

2014 – 2018 **PhD Psychology – Methods and Statistics – KU Leuven**

Courses: Fundamental concepts of statistics (Master of Statistics, KU Leuven), Statistical Machine Learning with R (KU Leuven), Personalized medicine and dynamic treatment regimes (ENAR, Miami), Statistical learning (Stanford Online)

2013 – 2014 **Master Methodology and Statistics in the Behavioural, Biomedical and Social Sciences – University of Utrecht**

Courses: Clinical trial data analyses, Bayesian statistics, Survey data analysis, Mathematical statistics

2012 – 2013 **Master Methodology and Statistics in psychology – Leiden University**

Courses: Item response theory, Multilevel analysis, Introduction into statistical computing and basic programming, Categorical data analysis, Applied multivariate analysis, Statistical consulting

2009 – 2012 **Bachelor Psychology – Leiden University (2009 – 2011 at University of Maastricht)**

TECHNICAL SKILLS

R, JMP, Python, SQL, Azure Machine Learning, Power BI, SPSS, Power Apps, Power Automate, SharePoint Online, Excel, Word, Powerpoint

Other skills and experiences

- Languages Dutch (native language), English (+++), German (++), French (+), Spanish (+), Czech (+)
- Teaching and coordinating Setting up a data-driven way of working in Quantoom, educating scientists in statistics, full-time data and BI trainer at U2U, Coordinating teaching assistants of a statistics course (2015 – 2018), supervised an intern (2017 – 2018)
- Presenting Techorama (2020; rescheduled due to Covid), SQLBits (2020), Global AI Bootcamp (2020), Belgian Information Worker User Group (2020), European Conference on Data Analysis (2018), International Society for Clinical Biostatistics (2017, 2015), International Biometric Society (2015).