

Aleksandra Elena Getman

Bruges, West-Flanders | [LinkedIn](#) | [Portfolio](#) | +32-483-327-545 | aleksandra.elena.getman@gmail.com

EDUCATION

Katholieke Universiteit Leuven (KU Leuven)

MS.c. in Artificial Intelligence, Engineering and Computer Science

Leuven, Flemish Brabant

Graduation Date: June 2024

Katholieke Universiteit Leuven (KU Leuven)

MS.c. in Statistics and Data Science, Business

Leuven, Flemish Brabant

Graduation Date: June 2023

Vrije Universiteit Brussel (VUB)

BS.c. in Business Economics, Business & Technology

Brussels, Brussels-Capital Region

Graduation Date: June 2021

⇒ Organizations: Brussels Association of Business Economics, Solvay Business School

SKILLS & INTERESTS

Skills: PyCharm | Jupyter Notebook | Visual Studio | Git | IDE | Neo4j | Tableau | Mango DB | SQL (My SQL, NoSQL, SQLite) | Arena | RapidMiner Studio | Microsoft Office (Excel, Word, Access, PowerPoint, Outlook,...)

Language Skills: English | Dutch | Russian | French

Programming Languages: R-Script | Python (NumPy, TensorFlow, Pandas, Matplotlib, Scikit-Learn, Keras, ...) | SAS | HTML | CSS | JavaScript | SQL | Cypher

Interests: Machine Learning (Supervised and Unsupervised Learning) | Deep Learning | Multivariate Statistics | Computer Vision | Robotics | Neural Networks | Reinforcement Learning | AI solutions | Analysis (descriptive, predictive, prescriptive)

Soft Skills: Critical thinking | Problem-solving | Collaborative | Presentation | Flexible | Lifelong Learning | Positive

Statements of Accomplishments: Datacamp: Data Scientist with R | Datacamp: Data Analyst with R

Certificates: SAS Certified Specialist: Base Programming Using SAS 9.4

WORK EXPERIENCE

Noordzee Drones

Junior Data Analyst

Zeebrugge, West-Flanders

September 2019 – January 2020

- Analyzed existing drones training programs to identify areas that needed adjustment to comply with EASA regulation, resulting in a program redesign that increased compliance by 80%.
- Utilized descriptive tools to analyze the data gathered from the market research survey (using Google Forum and reaching a response rate of 73%), providing valuable insights for targeting potential customers for the drones training program.
- Represented the company at corporate events and fairs, ensuring brand visibility and attracting potential clients.
- Assisted in the development of a streamlined process for setting up and cleaning up after drone training classes, reducing setup time by 50% and improving overall efficiency.

PROJECT EXPERIENCE

Katholieke Universiteit Leuven (KU Leuven)

Researcher

Leuven, Flemish Brabant

September 2022 – June 2023

- Build two movie recommendation systems based on Item Response Theory (IRT) - and Hybrid Recommendation (combination of collaborative filtering, content-based filtering, and demographic recommendation technique) approach in R using MovieLens Dataset
- Compared the two recommendation systems against one another in terms of performance (MAE, MSE, and ARC) and operation (i.e., interpretability, scalability, and efficiency)
- Introduced additional two simple models which served as baseline in comparison i.e., random recommendation model and non-personalized recommendation model
- Concluded that IRT model is making significantly more mistakes in recommendations, hence less precise and accurate, compared to hybrid recommendation approach, resulting in final grade 14.4/20

Vrije Universiteit Brussel (VUB)**Brussels, Brussels-Capital Region***Researcher**September 2020 – June 2021*

- Tested how subjective well-being and job satisfaction affect teleworking during the COVID pandemic by surveying Qualtrics with 200+ participants
- Researched and identified 24 key questions with a Cronbach's alpha between 0.80 and 0.90 to assess subjective well-being and job satisfaction, resulting in a more comprehensive survey
- Utilized generalized linear models and analysis of variance (ANOVA) testing in Python to validate the academic prior research and their hypotheses
- Determined that implementation of telework has no discernible impact on subjective well-being and job satisfaction, resulting in final grade 18/20

LEADERSHIP EXPERIENCE**Kazou****Putten, the Netherlands***Volunteer**July 2018 – July 2018*

- Organized with 5 colleagues from various backgrounds a 1-week summer vacation camp for 60+ children between the age of 10 and 11 years old by arranging various daily activities, stay at the hostel, meals, and accompanying children's safety during the trip.