Yanou Ramon

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Interested in the use of predictive analytics to study human behavior and preferences, to improve decision-making in organizations and improve the quality of people's lives in general (e.g., healthcare innovations).

Languages	Dutch (native), English, French
Programming	Python, Matlab, R, SQL
Technical Skills	Relational databases, Cloud computing
Data Analysis	***Predictive Modeling:*** Data exploration & visualization, Preprocessing, Supervised machine learning, Model interpretability
	Statistical Methods: Survey design, Inferential statistics

EDUCATION

Oct ˙18 – present **Ph.D. Fellowship – Research Foundation Flanders**
Explainable Artificial Intelligence, University of Antwerp
Supervisor: Prof. David Martens
➤ Designed explanation methods to better understand decisions of prediction models trained on big behavior and text data
➤ Implemented explainer objects in Python (open-source code at GitHub)

Oct ˙16 – June ˙18 **M.Sc. in Business Engineering**
University of Antwerp, great distinction *(80/100)*
➤ Fall semester ˙17: Toulouse School of Management
➤ July ˙16: Summer school in Washington

Oct ˙13 – June ˙16 **B.Sc. in Business Engineering**
University of Antwerp, great distinction *(78/100)*

WORK EXPERIENCE

Oct ˙19 – present **Organizer Summer School 'American Business Environment' (Washington**)

Oct ˙18 – present **Teaching Assistant**
➤ Data Mining, Ethics in Data Science & Data Engineering
➤ Designed Python tutorials and organized Data Science Challenge

PUBLICATIONS & CONFERENCES

Publications   Sofie De Cnudde, **Yanou Ramon**, David Martens, Foster Provost. Deep Learning on Big, Sparse, Behavioral Data. *Big Data*, 7(4), p.286-307, 2019. Available online.

Yanou Ramon, David Martens, Foster Provost, Theodoros Evgeniou. A comparison of instance-level explanation algorithms for behavioral and textual data: SEDC, LIME-C and SHAP-C. *Advances in Data Analysis and Classification*, 2020. Available online.

Yanou Ramon, David Martens, Theodoros Evgeniou, Stiene Praet. Can metafeatures help improve explanations of prediction models when using behavioral and textual data? *Machine Learning*, 2021. Available [online](#).

Conferences | **Yanou Ramon**, David Martens. Comparative study of instance-level explanations for big data. *EURO Conference*, Dublin, Ireland, June ˙19.

Yanou Ramon, David Martens. Instance-based explanations: motivation, overview, and the evidence counterfactual approach. European Conference on Data Analysis, Bayreuth, Germany, March ˙19.

AWARDS & RECOGNITION

Oct ˙20 | **Winner of Best Paper Award and a €1,000 Prize**
➢ Doctoral day of Faculty of Business & Economics, University of Antwerp
➢ Selected out of 41 submitted papers
➢ *Increasing Global Understanding of Prediction Models on Behavior Data*

May ˙18 | **Next Generation Women Leaders Event by McKinsey & Company (Paris)**
➢ One of 200 participants selected worldwide to join a three-day event filled with inspirational talks on leadership, case studies, and networking

Nov ˙17 – present | **Member of Beta Gamma Sigma Society – 'Best in Business'**
➢ Honor of academic excellence for business students

Oct ˙16 – May ˙18 | **Junior Management Program**
Faculty of Business & Economics, University of Antwerp
➢ One of 25 students selected by the Dean based on academic achievements
➢ Enhanced soft-skills and developed professional goals in a series of workshops

Dec ˙16 | **Finalist Data Science Challenge**
➢ Developed credit scoring tool in Matlab for professional loans at AXA insurance

ACTIVITIES & SERVICE

Ambassador | Ambassador for Women in Data Science, Stanford University, Oct ˙21
➢ Role responsibilities include planning a regional WiDS event in Belgium

Program Committee & Invited Talk | Workshop on Advances in Interpretable ML and AI (CIKM online), Oct ˙20
Comparison of Algorithms for Explaining Prediction Models on Behavior Data

PERSONAL INTERESTS

Hobbies | Field hockey (˙10-˙12 in the national team), tennis, winter sports

Ambitions | Democratize artificial intelligence & data science
Advocate more data-driven decision-making in organizations
Inspire women to pursue a career in STEM