

Yanou Ramon

University of Antwerp, Faculty of Business & Economics
Dpt. of Engineering Management
Prinsstraat 13, 2000 Antwerp, Belgium

Email: yanou.ramon@uantwerp.be
Website: yramon.github.io
Tel: (+32) 497 901 304

Passionate about predictive analytics to study human behavior and characteristics, to improve decision-making in organizations and the quality of people's lives in more 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 in Explainable AI – Research Foundation Flanders**
- University of Antwerp • Advisor: Prof. David Martens
 - Designed algorithms to explain predictions of models on behavioral data
 - Implemented explainer objects in Python (code on 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' in 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**
- 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](#).
- 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](#).

- 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](#).
- Manuscripts under review** **Yanou Ramon**, Sandra Matz, R.A. Farrokhnia, David Martens. Explainable AI for psychological profiling from behavioral data: An application to Big Five personality predictions from financial transaction records. *Working version available [online](#)*, 2021.
- Yanou Ramon**, Tom Vermeire, Olivier Toubia, Theodoros Evgeniou, David Martens. Understanding consumer preferences for explanations generated by XAI algorithms. *Working version available [online](#)*, 2021.
- 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
 - *Title*: Increasing global understanding of prediction models on behavior data
- May '18 **Next Generation Women Leaders Event of McKinsey & Company**
- One of 200 participants selected worldwide to join a three-day event in Paris filled with inspirational talks on leadership, case studies, and networking
- Nov '17 – present **Member of Beta Gamma Sigma Society**
- Honor of academic excellence for business students
- Oct '16 – May '18 **Junior Management Program**
- 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 Women in Data Science (WiDS) 2022, Stanford University
- Role responsibilities include planning a WiDS event in Belgium
- Program committee** Workshop on Advances in Interpretable ML and AI (CIKM online), Oct '20
- *Invited talk*: Comparison of algorithms for explaining models on behavior data

REFERENCES

David Martens

Professor

University of Antwerp, Antwerp, Belgium

Department of Engineering Management

Email: david.martens@uantwerp.be

Relationship: Doctoral advisor

Foster Provost

Professor

NYU Stern School of Business, New York City, US

Department of Technology, Operations & Statistics

Email: fprovost@gmail.com

Relationship: Collaborator and PhD Committee member

Sandra C. Matz

Professor

Columbia Business School, New York City, US

Department of Management

Email: sm4409@gsb.columbia.edu

Relationship: Collaborator and PhD Jury member

Robert A. Farrokhnia

Professor

Columbia Business & Engineering Schools, New York City, US

Email: arf25@columbia.edu

Relationship: Collaborator

Theodoros Evgeniou

Professor

INSEAD, Fontainebleau, France

Department of Decision Sciences and Technology Management

Email: theodoros.evgeniou@insead.edu

Relationship: Collaborator

PERSONAL INTERESTS

Hobbies

Field hockey ('10-'12 part of the national team), tennis, winter sports

Ambitions

Democratize artificial intelligence & data science

Advocate more data-driven decision-making in organizations and government

Inspire women to pursue a career in STEM