

Yanou Ramon

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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 <ul style="list-style-type: none">University of Antwerp, supervisor: Prof. David MartensDesigned algorithms to explain predictions of models on behavioral dataImplemented explainer objects in Python (code on GitHub)
Oct '16 – June '18	M.Sc. in Business Engineering <ul style="list-style-type: none">University of Antwerp, great distinction (80/100)Fall semester '17: Toulouse School of ManagementJuly '16: Summer school in Washington
Oct '13 – June '16	B.Sc. in Business Engineering <ul style="list-style-type: none">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 <ul style="list-style-type: none">Data Mining, Ethics in Data Science & Data EngineeringDesigned 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? <i>Machine Learning</i> , 2021. Available online .
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- Publications** **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](#).
- 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 paper available online*, 2021.
- Yanou Ramon**, Tom Vermeire, Olivier Toubia, Theodoros Evgeniou, David Martens. Understanding consumer preferences for explanations generated by XAI algorithms. *Working paper 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
 - Paper selected out of 41 submitted papers
 - *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 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

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