

# 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

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## 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)

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## 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

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## PUBLICATIONS

**Publications** 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. *Information*, 12(12), 518, 2021. [Available online](#).

**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](#).

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**, Tom Vermeire, Olivier Toubia, Theodoros Evgeniou, David Martens. Understanding consumer preferences for explanations generated by XAI algorithms. *Working version available* [online](#), 2021.

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**AWARDS & RECOGNITION**

Oct '20

**Winner of Best Paper Award and a €1,000 Prize**

- Doctoral day at the 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

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**ACTIVITIES & SERVICE****Ambassador**

Ambassador Women in Data Science 2022 (Stanford University)

- Role responsibilities include planning a local 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

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## REFERENCES

**Prof. David Martens**

University of Antwerp, Antwerp, Belgium  
Department of Engineering Management  
Email: [david.martens@uantwerp.be](mailto:david.martens@uantwerp.be)  
Relationship: Doctoral advisor

**Prof. Sandra C. Matz**

Columbia Business School, New York City, US  
Department of Management  
Email: [sm4409@gsb.columbia.edu](mailto:sm4409@gsb.columbia.edu)  
Relationship: Collaborator and PhD Jury member

**Prof. Robert A. Farrokhnia**

Columbia Business & Engineering Schools, New York City, US  
Email: [arf25@columbia.edu](mailto:arf25@columbia.edu)  
Relationship: Collaborator

**Prof. Foster Provost**

NYU Stern School of Business, New York City, US  
Department of Technology, Operations & Statistics  
Email: [fprovost@gmail.com](mailto:fprovost@gmail.com)  
Relationship: Collaborator and PhD Jury member

**Prof. Theodoros Evgeniou**

INSEAD, Fontainebleau, France  
Department of Decision Sciences and Technology Management  
Email: [theodoros.evgeniou@insead.edu](mailto:theodoros.evgeniou@insead.edu)  
Relationship: Collaborator and PhD Jury member

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## PERSONAL INTERESTS

<b>Hobbies</b>	Field hockey ('10-'12 part of the national team), tennis, winter sports
<b>Ambitions</b>	Democratize artificial intelligence & data science Advocate more data-driven decision-making in business and society Inspire women to pursue a career in STEM