

# Samantha Metevier

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## EDUCATION

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### Toulouse School of Economics

*MSc in Economics*

Toulouse, Occitanie, France

2024

### Seattle University

*BSc in Computer Science, Minor in Economics*

Seattle, WA, United States

2019

## WORK EXPERIENCE

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### Research assistant

*Genève, Switzerland*

International Labour Organization

*Feb 2025 - Aug 2025*

- Contributed to meta-analysis on lifelong learning, skills and transitions in the labour market.

### Impact Evaluation Trainee

*Louvain-la-Neuve, Wallonia, Belgium*

ADE

*May 2024 - Nov 2024*

- Contributed to the design, planning, and implementation of a final-stage evaluation for a security and peace building intervention in Eastern DRC using a theory based approach (e.g. OECD-DAC criteria).
- Supported the early stage evaluation of a program aiming to mobilize private and public finances for sustainable forestry investments.
- Supported quantitative impact analysis of agri-business program activities using a difference in difference methodology with matching techniques.

### Graduate Research Assistant (Prof. Farid Gasmi)

*Toulouse, Occitanie, France*

Toulouse School of Economics

*May 2023 - Aug 2023*

- Bacha, Radia, Farid Gasmi, and S. Metevier. "Broadband adoption in Algeria and the structural determinants of its pace." Telecommunications Policy (2024): 102761.
- Gasmi, F., Dorgyles, C.M.K., Metevier, S., and P. Nomba Um, 2023 "Has Morocco's return migration policy between 1980 and 2022 worked?", Working paper, August 2024

### Marketing Data Scientist I, II & IT Enterprise Architect Intern

*Seattle, WA, United States and Remote*

F5

*May 2019 - Aug 2022*

- Contributed towards development of a product recommendation system for internal marketing and sales consumption utilizing the Alternating Least Squares Algorithm to enable personalized sales and marketing actions.
- Developed a Propensity-to-Purchase X Product System to generate customer rankings and groupings utilizing XGBoost classification models & providing model output explanations (SHAP) to drive targeted quarterly marketing campaigns and sales decision making.
- Designed, built, and automated end-to-end batch Machine Learning & Data pipelines in Snowflake, Databricks.

### Undergraduate Research Intern (Prof. Devin Berg)

*Menomonie, WI, United States*

University of Wisconsin-Stout

*Summer 2018*

- Swanson, E., Metevier, S., Sneller, K., and Berg, D. R. (2018). Bendy Arm 2.0: Continuum Arm Manipulator Refinement and Control for Assistive Technology. <https://doi.org/10.31224/osf.io/eyx6u>.

### Web Assessment and Development Intern (Prof. Meenakshi Rishi)

*Mumbai, Maharashtra, India*

Pratham

*Jan 2018 - April 2018*

- Built web-based assessment (game-style) prototypes to be used on tablets during adult vocational training sessions.
- Attended field visits to understand classroom dynamics and target audience.
- Literature review and analysis of the role of NGOs in the adult vocational training market in Mumbai.

## RELEVANT COURSEWORK

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Empirical Industrial Organization, Econometric Methods for Empirical Economics, Nonparametric Econometric Methods, Machine Learning for Economics, Advanced Panel Data, Multivariate Time Series, Health Econometrics, Applied Econometrics, Randomized Control Trials & Policy Evaluation, Efficiency Analysis, Spatial Econometrics

Mathematical Statistics I & II, Intermediate Econometrics, Applied Econometrics, Game Theory, Markov Chains & Applications, Program Evaluation, Time Series, Panel Data, Economics of Human Development, Environmental & Resource Economics

Design & Analysis of Algorithms, Databases, Text Processing & Search, Object Oriented Design

## SKILLS

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Programming Languages: R, Python, SQL, STATA, C++

Tools: Databricks, Snowflake, Jupyter Lab, PyCharm, VSCode, DBeaver, Azure DevOps, Git, Pyspark

## PUBLICATIONS

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Bacha, Radia, Farid Gasmi, and S. Metevier. "Broadband adoption in Algeria and the structural determinants of its pace." *Telecommunications Policy* (2024): 102761.

## INTERESTS

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Development Economics, Program Design and Evaluation, Education, Child Development, Migration, Experimental and Quasi-Experimental Methods