Yasmine Houri

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Ph.D. candidate in Sociology

I am a Ph.D. candidate at Institut Polytechnique de Paris (France). My research sits at the intersection of social and computer science, combining social network analysis and computational linguistics to examine how counterpublics communicate and assert their social identity online.

I will defend my thesis in **September 2027**.

EDUCATION

Ph.D. Institut Polytechnique de Paris, CREST, Palaiseau (France) 2023 – Now
Thesis title: "Dynamics of collective elaboration of (in)appropriate information in social networks"
Co-directed by Paola Tubaro (IP Paris), Emmanuel Lazega (Sciences Po) and Camille Roth (EHESS)
Expected defense date: Fall 2027

M.S. École nationale de la statistique et de l'administration économique, Palaiseau (France) 2018 – 2022
French degree (Master equivalent) in data science, machine learning, quantitative sociology and economics

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PUBLICATIONS

PEER-REVIEWED ARTICLES

Framing the Fringe: Dynamics of Ingroup and Outgroup Narratives in Fringe Telegram Channels
Dutta, U. & **Houri, Y.** (2026). In Proceedings of the 18th ACM Web Science Conference 2026 (WebSci '26). Association for Computing Machinery, New York, NY, USA, 260–271. https://doi.org/10.1145/3795766.3799784
Won Best Paper Award

Forwarding to the Choir: Topic Assortativity in Far-Right Telegram Networks
Houri, Y. (2026). *Applied Network Science*. https://doi.org/10.1007/s41109-026-00796-1

Sick Leave due to COVID-19 during the First Pandemic Wave in France
Smith, D. R. M., Jijón, S., Oodally, A., Shirreff, G., Aït Bouziad, K., Ante-Testard, P. A., Bastard, J., Bouziri, H., Daouda, O. S., Duchemin, T., Godon-Rensonnet, A. S., Henriot, P., **Houri, Y.**, et al. (2023). *Occupational and environmental medicine*, 80(5), 268–272. https://doi.org/10.1136/oemed-2022-108451

WORKING PAPERS

The Social or the Media: a Case Study of Recommendation Networks on Telegram
Houri, Y. & Tubaro, P. (2026). Under review.

PRESENTATIONS

CONFERENCE PRESENTATIONS

Complex Networks and their Applications 2024 (poster); **Sunbelt INSNA 2025** (parallel talk); **IC2S2 2025** (one parallel talk and one poster); **Web'Sci 2026** (talk); **ASA 2026 Annual Meeting** (roundtable)

INVITED TALKS

Cambridge Digital Humanities Work in Progress (November 2025); **Minderoo Centre for Technology and Democracy** Open Labs (February 2026); **University of Edinburgh**, School of Informatics and School of Social and Political Science Internal Seminar (July 2026)

INTERNAL SEMINARS
CREST AI and Social Sciences Seminar (May 2026); **CREST** Sociodays (October 2023, November 2024); **CREST** Sociology Ph.D. Seminar (May 2025)

ACADEMIC STAYS

Cambridge Digital Humanities, University of Cambridge, Cambridge (UK) Oct. – Dec. 2025
Conducted research on Pan-Africanist discourse on Telegram, combining network and discourse analysis
Engaged with CDH scholars to refine methodological approaches, received training in qualitative digital humanities methods, and contributed expertise in computational social science
Under the direction of Pr. Hugo Leal

SICSS-Penn, University of Pennsylvania, Philadelphia (USA) July 2024
Summer Institute in Computational Social Science
Attended lectures and tutorials by speakers who conduct computational social science research in a variety of settings, such as academia, industry, and government
Topics covered included text as data, website scraping, digital field experiments, machine learning, and ethics
Actively contributed to a participant-led research project on the use of Reddit for parenting in the United States
Attended the IC2S2 2024 conference

Fondazione Bruno Kessler, Complex Human Behavior Lab, Trento (Italy) Dec. 2023
Contributed to social media data collection and social network analysis
Under the direction of Pr. Riccardo Galotti

TEACHING AND ACADEMIC SERVICE

Teaching assistant (part-time) Oct. 2023 – Now
Sociology of Social Networks, Master level, ENS-EHESS (Fall 2023, Fall 2024)
Python Programming, Bachelor level, ENSAE (Spring 2024)
Introduction to Python, Master level, ENSAE (Fall 2024)
Python for Data Science, Master level, ENSAE (Fall 2024)
Machine Learning for Natural Language Processing, Master level, ENSAE (Spring 2024, Spring 2025)
Technologies and Society, Bachelor level, Telecom (Spring 2025)
Introduction to BERT and GenAI, SICSS-Paris 2025 (Spring 2025)

Mentoring
Applied Statistics, Master level, ENSAE (Spring 2025)

Reviewing
IC2S2 2026

INDUSTRIAL EXPERIENCE

Data scientist and survey statistician
Service statistique ministériel de la sécurité intérieure (SSMSI), Paris (France) Nov. 2022 – Aug. 2023
Designed and processed results from the French national survey "Vécu et ressenti en matière de sécurité" conducted among a representative sample of 200.000 average households through web, phone and paper interviews

Data scientist intern
Autorité de Contrôle Prudentiel et de Résolution (Bank of France), Paris (France) May 2022 – Nov. 2022
Built a sentiment analysis neural network to produce early warning indicators for the banking and insurance sectors from the press using state-of-the-art NLP

Data scientist intern
Bank of France, Paris (France) Feb. 2021 – Aug. 2021
Incorporated the effects of Covid-19 into a machine learning model of European trade (OLS and Lasso regressions)

Research assistant intern
Conservatoire National des Arts et Métiers, Paris (France) Sept. 2020 – Feb. 2021
Selected and ordered 24 factors of mental health related sick leave among French employees
Participated in a now published lab project on sick leave due to Covid-19 during the first pandemic wave in France

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SKILLS

Programming
Python, R (confirmed); Git, LateX (intermediate); SAS, STATA, SQL (notions)

Spoken languages
French (native), English (bilingual), Spanish (limited professional proficiency), Arabic (elementary proficiency)