

Research experience and education

- 2021-2025 **PhD Student in social sciences, Leiden university**, Supervised by J.-L. van Gelder, W. Frankenhuis & D. Nettle, funded by the Max Planck Institute for the Study of Crime, Security & Law (2021-2024) and the Institut Jean Nicod, EHESS-ENS-PSL (2024-2025).
- 2024- **Associate researcher for the Gallicagram project**, Institut des sciences sociales du politique (ISP), ENS Paris-Saclay.
- 2017-2021 **École Normale Supérieure-PSL**, Elève fonctionnaire, admitted with rank 8.
- 2019-2020 **Sorbonne University**, Mathematics for modeling Master.
- 2020 **Econophysix lab**, Research intern with J.-P. Bouchaud, École Polytechnique.
- 2018-2019 **ENS-EHESS**, Cogmaster M1 (Minor : social sciences).
- 2017-2018 **Panthéon Sorbonne University**, History bachelor (L3).
- 2015-2017 **Janson de Sailly**, Khâgne B/L (humanities and social sciences intensive classes).

Peer-reviewed publications

1. **de Courson B.**, Frankenhuis W., Nettle D., Poverty is associated with both risk avoidance and risk taking: an empirical test of the desperation threshold model, *Proceedings of the Royal Society B*, 2025 (forthcoming)
2. Pfänder, J.; **de Courson, B.**; Mercier, H., How wise is the crowd: Can we infer people are accurate and competent merely because they agree with each other?, *Cognition*, 2025
3. Nettle D., Chevallier C., **de Courson B.**, Johnson E.A., Johnson M.T., Pickett K., Short-term changes in financial situation have immediate mental health consequences: The Changing Cost of Living Study, *Social Policy & Administration*, 2024
4. Radkani S., Holton E., **de Courson B.**, Saxe R., Nettle D., Desperation and inequality increase stealing: evidence from experimental microsocieties, *Royal Society Open Science*, 2023
5. **de Courson B.**, Frankenhuis W., Nettle D., van Gelder J.-L., Why is violence high and persistent in deprived communities? A formal model, *Proceedings of the Royal Society B*, 2023
6. **de Courson B.**, Azoulay B., de Courson C., Vanni L., Brunet E., Gallicagram : les archives de presse sous les rotatives de la statistique textuelle, *Corpus*, 2023
7. **de Courson B.**, Thouzeau V., Baumard N. Quantifying the scientific revolution, *Evolutionary Human Sciences*, 2023
8. **de Courson B.** & Nettle D., Why do inequality and deprivation produce high crime and low trust?, *Scientific Reports*, 2021
9. **de Courson B.**, Fitouchi L., Bouchaud J.-P. & Benzaquen M., Cultural diversity and wisdom of crowds are mutually beneficial and evolutionarily stable, *Scientific Reports*, 2021

Journal articles under review and working papers

1. **de Courson B.**, Richard A. & Bastin G., Gender Gaps and Stereotypes in the Long Run. A computational approach to how Le Monde got (slightly) demasculinized (1944-2024)

2. **de Courson, B.**, LRFAF : une exploration numérique du rap français depuis les années 1990
3. Acerbi A. & **de Courson B.**, Weak content preferences stabilise culture, *In Revision, Proceedings of the National Academy of Sciences*
4. **de Courson, B.** & Azoulay, B., Gallicagram : un outil de lexicométrie pour la recherche, *In Revision, Bulletin of Sociological Methodology*

Research presentations

- 15 presentations of the *Gallicagram* project in seminars : Sociologie quantitative et de la quantification, Laboratoire Printemps, October 2024; Capitalisme littoral, Université de La Rochelle, June 2024; Lundis de l'INED, May 2024; Vendredis quantis, Laboratoire Pacte, January 2024; BnF Datalab, May 2022 & December 2023; ISOCO seminar, Université de Nanterre, July 2023; Imaginaires de la Révolution française, Université Paris Diderot, March 2023; Medialab seminar, Sciences-Po Paris, February 2023; Workshop ADEMEC, École des Chartes, January 2023; Quantitativisme Réflexif, ENS Paris-Saclay, October 2022; Econophysix, Ecole Polytechnique, October 2022; Congrès Médias 19, Centre Culturel Canadien/BnF, May 2022; Numapresse, Sorbonne Université; Digital Humanities meet artificial intelligence, ENS-PSL, May 2021
- Approches pluridisciplinaires du rap, EHESS, January 2025 (with Juliette Hubert)
- French network for the Evolutionary Study of Humans conference, ENS-PSL, Paris, November 2023
- European Society of Criminology conference, Florence, September 2023
- Invited talk in Henshaw lab, Freiburg University, Department of Biology, September 2023
- 2023 EHBEA conference, University College London, April 2023 (long talk)
- "Why is legal deterrence ineffective?", Werkstattgespräch, MPI-CSL, February 2023
- Invited talk at NSCR, Vrije Universiteit Amsterdam, April 2022
- Symposium "Resilience meets Criminology", Leiden University, April 2022
- 2021 EHBEA conference, Krakow, March 2021 (long talk)
- Organizer & speaker of the seminar *Naturaliser les sciences sociales*, ENS-PSL, 2019 (with L. Fitouchi)

Teaching

- Courses on *Gallicagram* : Introduction to digital humanities (Université Montpellier-3, 2024); CPES Data science, art and culture (PSL, 2024); French revolution press master seminar (Université Paris Diderot, 2023); Literature Master (Sorbonne Université, 2022/2023/2024, Université de Metz, 2024)
- Statistics, Bachelor of humanities, Université de Rouen, 2024 (CM + TD, 26h)
- Epistemology of formal modeling : University of Geneva, 2021 (2h); CPES SMD, PSL, 2022 (2h)
- Mathematics for economists, 2019-2021, L2, CPES PSL (CM + TD, 68h)
- Mathematics interrogations ("Khôlles") in Khâgne B/L (Janson de Sailly, 2018-2021, 2024-2025) (60h/year)

Miscellaneous

- Reviewed papers for *Evolutionary Psychology*, *Cognition*, *Humanities & Social Sciences Communications* and the *Bulletin of Sociological Methodology*
- Media : *France Culture*, *Marsactu*, *Sciences humaines*, *Sciences humaines* (#2), *Culture et recherche*
- Development of the lexicometrics tool *Gallicagram*, its API and the *pyllicagram* package. *Gallicagram* has been used more than 100 000 times and is mentioned in over 50 publications.
- Compiled and published open access corpora : French public domain press and books, French rap
- Speak French, English, German, some Latin, R, python, SQL, bash, slurm, L^AT_EX, some C++ and Julia