

Jan-Philipp Fränken

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janphilippfranken.github.io



Education

University of Edinburgh, PhD in Computational Cognitive Science. September 2019-Present
Bramley Computational Cognitive Science Lab

University College London, MSc in Cognitive and Decision Sciences. September 2018-August 2019
GPA: 77.8/100, Distinction, Dean's List

Maastricht University, BSc in Psychology. September 2015-July 2018
GPA: 8.98/10, Distinction, Honours

Universitas Surabaya, Exchange. August 2017-January 2018
GPA: 4.0/4.0

Research Experience

PhD Researcher, University of Edinburgh. September 2019-Present
Bramley Computational Cognitive Science Lab

Researcher, City, University of London. March 2019-December 2020
Computational Neuroscience and Psychiatry Lab

MSc Researcher, University College London. September 2018-August 2019
Causal Cognition Lab

Research Assistant, Maastricht University. March 2016-June 2018
Criminological and Experimental Legal Psychology Lab

Teaching Experience

Tutor, University of Edinburgh. September 2019-Present
Courses:

- Computational Cognitive Science (School of Informatics)
- Intermediate Python (Department of Psychology)
- Multivariate Statistics (Department of Psychology)
- Univariate Statistics (Department of Psychology)
- Research Methods and Statistics I-II (Department of Psychology)
- Data Analysis for Psychology I (Department of Psychology)

Tutor, Maastricht University. November 2016-June 2018
Courses:

- Statistics for Psychologists I-II (Faculty of Psychology and Neuroscience)
- Critical Thinking (Faculty of Psychology and Neuroscience)
- Consciousness (Faculty of Psychology and Neuroscience)

Awards and Scholarships

PhD Scholarship, German Academic Scholarship Foundation. December 2019-Present
Awarded competitive scholarship by Germany's most prestigious scholarship foundation (€68,800).

Tutor Award, University of Edinburgh. March 2021
Awarded £100 for excellent tutoring performance in 2020/2021.

ESRC Studentship, Scottish Graduate School of Social Science. September 2019-December 2019
Awarded competitive studentship covering PhD training courses (£4327).

Travel Award, Maastricht University. August 2017
Awarded €500 to cover travel expenses.

Publications and Conference Proceedings

Working Papers

Bricault, S., Lee, J., Desay, M., Schwalm, M., DeTienne, E., Fagan, E., Li, N., Dawson, M., Chung, K., Muthupalani, S., **Fränken, J.P.**, Pinotsis, D., Jasanoff, A. Peripheral contributions to resting state brain dynamics (*In Review*).

Fränken, J.P., Theodoropoulos, N., Bramley, N. Algorithms of Adaptation in Inductive Inference (*In Review*). [\[preprint\]](#)

Fränken, J.P., Valentin, S., Lucas, C., Bramley, N. Determinants of Individual and Collective Success in Human Social Learning (*Under Submission*).

2021

Fränken, J.P., Pilditch, T. (2021). Cascades across Networks are sufficient for the formation of echo chambers: An agent-based model. *Journal of Artificial Societies and Social Simulation*, 24(3). [\[pdf\]](#) [\[model\]](#) [\[git\]](#)

Fränken, J.P., Valentin, S., Lucas, C., Bramley, N. (2021). Know your network: Sensitivity to structure in social learning. *In Proceedings of the 43rd Annual Meeting of the Cognitive Science Society*. [\[abstract\]](#) [\[poster\]](#) [\[git\]](#)

2020

Fränken, J.P., Theodoropoulos, N., Moore, A., Bramley, N. (2020). Belief revision in a micro social network: Modelling sensitivity to statistical dependencies in social learning. *In Proceedings of the 42nd Annual Meeting of the Cognitive Science Society*. [\[pdf\]](#) [\[git\]](#)

2018

Otgaar, H., Wang, J., **Fränken, J.P.**, Howe, M. (2018). Believing does not equal remembering: The effects of social feedback and objective false evidence on belief in occurrence, belief in accuracy, and recollection. *Acta Psychologica*, 191, 271-280. [\[pdf\]](#)

Invited Talks

FeldmanHall Lab, *Brown University*. February 2022.

KUIS AI, *Koc University*. December 2021.

Social Reading Group, *MPI Tübingen*. October 2021.

Computation and Language Lab, *UC Berkeley*. August 2021.

Lagnado Lab, *UCL*. July 2021.

Gureckis Lab, *NYU*. February 2021.

Pinotsis Lab, *City, University of London*. February 2020.

HCN Seminar Series, *University of Edinburgh*. October 2019.

CoHESys Lab, *University of Oxford*. May 2019.

Professional Service

Ad-hoc Reviewer, CogSci Conference. February 2020-Present

Political Cognition Seminar Series Organiser, University College London. February 2019-August 2019

Academic Representative, University College London. September 2018-August 2019

Skills and Languages

- **Programming languages:** Python, R, C++, NetLogo, MATLAB, JavaScript, HTML, CSS.
- **Machine learning and statistics:** Bayesian models, Monte Carlo methods, causal inference, reinforcement learning, program induction, information theory, regression, clustering, classification, hypothesis testing, model fitting, optimisation.
- **Research skills:** Experimental design, model development, data collection, data analysis, data visualisation, report writing.
- **Languages:** Native/bilingual proficiency: German, English. Beginner: Bahasa Indonesia.