

# Jan-Philipp Fränken

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janphilippfranken.github.io



## Education

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**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

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**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

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**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

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**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

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### 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.**, Valentin, S., Lucas, C., Bramley, N. Determinants of Individual and Collective Success in Human Social Learning (*In Review*).

2022

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

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

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Edinburgh CompCogSci Workshop, *Edinburgh University*. July 2022.

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

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**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

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- **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.