

# Jan-Philipp Fränken

janphilipp.franken@gmail.com

janphilippfranken.github.io



## Education

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**University of Edinburgh, PhD in Psychology.**

*Bramley Computational Cognitive Science Lab*

September 2019-December 2022 (expected)

**University College London, MSc in Cognitive and Decision Sciences.**

GPA: 77.8/100, Distinction, Dean's List

September 2018-August 2019

**Maastricht University, BSc in Psychology.**

GPA: 8.98/10, Distinction, Honours

September 2015-July 2018

**Universitas Surabaya, Exchange.**

GPA: 4.0/4.0

August 2017-January 2018

## Research Experience

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**PhD Researcher, University of Edinburgh.**

Supervisor: *Neil Bramley*

September 2019-Present

**Researcher, City, University of London.**

Supervisor: *Dimitris Pinotsis*

March 2019-December 2020

**MSc Researcher, University College London.**

Supervisor: *David Lagnado*

September 2018-August 2019

**Research Assistant, Maastricht University.**

Supervisor: *Henry Otgaar*

March 2016-June 2018

## Teaching Experience

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**Tutor, University of Edinburgh.**

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)

September 2019-Present

**Tutor, Maastricht University.**

Courses:

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

November 2016-June 2018

## Awards and Scholarships

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**PhD Scholarship, German Academic Scholarship Foundation.**

€68,800

December 2019-Present

**ESRC Studentship, Scottish Graduate School of Social Science.**

£4327

September 2019-December 2019

**Tutor Award, University of Edinburgh.**

£100

March 2021

**Travel Award, Maastricht University.**

€500

August 2017

## Publications and Conference Proceedings

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### Working Papers

**Fränken, J.P.**, Valentin, S., Lucas, C., Bramley, N. Know your network: (In-)Sensitivity to structure in social learning (*in prep*).

**Fränken, J.P.**, Theodoropoulos, N., Bramley, N. Algorithms of adaptation in inductive inference (*under review*).

### 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*. [[pdf](#)] [[model](#)] [[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*. [[pdf](#)]

## Poster Presentations

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### 2022

**Fränken, J.P.**, Valentin, S., Lucas, C., Bramley, N. (2022). Know your network: Sensitivity to structure in social learning. *In Proceedings of the 43rd Annual Meeting of The Cognitive Science Society*. [[abstract](#)] [[poster](#)] [[git](#)]

## Talks

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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.

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

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

## Professional Service

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

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

**Course Representative, University College London.** September 2018-August 2019

## Skills

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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.
- **Languages:** Native/bilingual proficiency: German, English. Beginner: Bahasa Indonesia.