

N.-Han Tran

DOCTORAL RESEARCHER

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Education

Max Planck Institute for Evolutionary Anthropology

Leipzig, Germany

DOCTORAL RESEARCHER IN SOCIAL LEARNING

Sep. 2018 - PRESENT

- Supervised by Bret Beheim, Timothy Waring and Richard McElreath.
- Relational database design and management.
- Developing a Bayesian statistical and mathematical modeling framework for the cultural evolution and transmission of material culture.
- Quantifying differential skill in knowledge-intensive domains.

University of Amsterdam

Amsterdam, Netherlands

MSC (RESEARCH) IN PSYCHOLOGICAL METHODS

Sep. 2016 - July 2018

- Major in Methods and Statistics, specializing in Bayesian statistics.
- Minor in Brain and Cognition, focusing on machine learning algorithms for neuroimaging data.
- Dissertation: Empirical Priors for sequential sampling models.

University of Hamburg

Hamburg, Germany

BSC IN PSYCHOLOGY

Oct. 2013 - July 2016

- Specialization in Clinical Psychology.
- Minor in Methods and Statistics.

Experience

Department of Psychological Methods, University of Amsterdam

Amsterdam, Netherlands

RESEARCH ASSISTANT

Dec. 2017 - Aug. 2018

- Bayesian hierarchical model and parameter recovery studies for cognitive models.
- Investigating the benefits of informed priors in Bayesian parameter estimation and model selection.

START Foundation

Sankt Peter-Ording, Germany

LECTURER

Jul. 2017

- Full-time lecturer for the one-week intensive course "Introduction to Research for Young Scientists".

Department of Social Psychology, University of Amsterdam

Amsterdam, Netherlands

RESEARCH ASSISTANT

Dec. 2016 - Jul. 2017

- Investigating the auditory perception of laughter vocalizations across cultures using signal detection theory.

Department of Aviation and Space Psychology, German Aerospace Center

Hamburg, Germany

RESEARCH ASSISTANT

July. 2015 - Sep. 2015

- Investigating the effects of continuous sleep deprivation on vigilance and performance.

Department of Languages, Literature and Media, University of Hamburg

Hamburg, Germany

TECHNICAL ASSISTANT

Apr. 2015 - Aug. 2016

- Student assistant for technical support and hard- and software maintenance.

Integrated Climate System Analysis and Prediction (CLISAP), University of Hamburg

Hamburg, Germany

RESEARCH ASSISTANT

Apr. 2014 - Aug. 2014

- Literature review and statistical analyses of resource conflicts in border areas in Central Africa.

Skills

Programming R, Stan, Python, LaTeX

Web Markdown, CSS

Data Base Management SQL, JSON, YAML

Honors & Awards

INTERNATIONAL

2018 **Graduate Travel Award**, Psychonomic Society Conference 2018 (1000 \$)

New Orleans, U.S.A

2017 **Graduate Travel Award**, BITSS Research Transparency and Reproducibility Training (1000 £)

London, U.K.

DOMESTIC

2013 - 18 **Scholarship**, Heinrich–Boell Foundation (Heinrich-Böll Stiftung, approx. 60,000 €)

Berlin, Germany

Talks & Presentations

Interacting Minds Centre

Aarhus, Denmark

TALK *October 2020*

- Disentangling Transmission Processes in Material Culture: High-resolution present-day data can inform the study of knowledge transmission in archaeological data

European Association of Archaeologists Annual Meeting 2020

Budapest, Hungary

CONFERENCE TALK

August 2020

- Disentangling Transmission Processes in Material Culture: High-resolution present-day data can inform the study of knowledge transmission in archaeological data

Psychonomic Society Annual Meeting 2018

New Orleans, U.S.A

POSTER PRESENTATION

Nov. 2018

- Empirical Priors for Evidence Accumulation Models.

Publications

Tran, N.-H. and Beheim, B. A. (submitted) Differential skill ontogeny in two knowledge-intensive strategy games.

Kucharský, Š., **Tran, N.-H.**, Veldkamp, K., Raijmakers, M. and Visser, I. (submitted) Hidden Markov Models of Evidence Accumulation in Speeded Decision Tasks.

Tran, N.-H., van Maanen, L., Heathcote, A., Matzke, D. (under review) Systematic Parameter Reviews in Cognitive Modeling: Towards a Robust and Cumulative Characterization of Psychological Processes in the Diffusion Decision Model.

Derks, K., Burger, J., van Doorn, J., Kossakowski, J. J., Matzke, D., ... , **Tran, N.-H.**, ... , Wagenmakers, E.-J. (2018). Network Models to Organize a Dispersed Literature: The Case of Misunderstanding Analysis of Covariance. *Journal of European Psychology Students*, 9(1), 48–57. DOI: <http://doi.org/10.5334/jeps.458>

Software

- 2019 **3rd Annual ESLR Workshop 2019 Website**,
<https://hbec-mpi-eva.github.io/eslr2019/>
<https://github.com/nhtran93/eslr2019> *Website*
- 2018 **kolam**, <https://github.com/nhtran93/kolam> *R package*
- 2018 **Parameter Estimation with Maximum Likelihood**,
https://r.tquant.eu/tquant/GlasgowApps/Group11_Estimation/ *Online Application*

Program Committees

- 2019 **Organizer and Seminar Leader**, Research ethics in evolutionary biological sciences *MPI-EVA, Leipzig*
- 2019 **Organizer**, Early-career Social Learning Researchers Society Workshop *MPI-EVA, Leipzig*