

Hannes Rosenbusch

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"I am a Ph.D. student working on computational methods in psychology and meta-science"

EDUCATION

This section lists my educational activities. The main take-away is that I seek to expose myself to new challenges and environments, and that I consistently aim to perform at a top level.

Tilburg University

Ph.D. in Social Psychology | "Unstructured data and machine learning in psychological research"

Supervisors: Prof. Marcel Zeelenberg & Dr. Anthony Evans
Abstract: The Ph.D. project investigates how data science methods like social media analyses, search algorithms, and machine learning can be integrated into psychological research and meta-research.

University of Groningen

Research Master in Behavioral and Social Sciences | Track: Social and Organizational Psychology

Grade Average: 8.9 (1 – 10)

I further took various extra-curricular courses on data science and machine learning.

University of Queensland

Psychology/Non-award program

Grade Average: 6.75 (1 – 7)

Leuphana University

B.Sc. Business Psychology

Grade Average: 1.6 (6 – 1)

PROFESSIONAL PUBLICATIONS AND CONFERENCE CONTRIBUTIONS

This section describes my scientific work. I just finished the second year of my Ph.D. research and the recurring themes in my work include computational research methods, psychometrics, machine learning, and analyses of unstructured data.

Rosenbusch, H., Evans, A. M., & Zeelenberg, M. (2019). Multilevel emotion transfer on YouTube: Disentangling the effects of emotional contagion and homophily on video audiences. *Social Psychological and Personality Science*, 10(8), 1028-1035.

Rosenbusch, H., Wanders, F., & Pit, I. L. (2020). The Semantic Scale Network: An online tool to detect semantic overlap of psychological scales and prevent scale redundancies. *Psychological Methods*, 25(3), 380–392.

Rosenbusch, H., Evans, A. M., Zeelenberg, M. (2020). StatBreak: Identifying "lucky" data points through genetic algorithms. *Advances in Methods and Practices in Psychological Science*.

Greijdanus, H., de Matos Fernandes, C. A., Turner-Zwinkels, F., Honari, A., Roos, C. A., Rosenbusch, H., & Postmes, T. (2020). The psychology of online activism and social movements: Relations between online and offline collective action. *Current Opinion in Psychology*, 35, 49-54.

CURRICULUM VITAE

- Rosenbusch, H., Röttger, J., & Rosenbusch, D. (2020). Would Chuck Norris certainly win the Hunger Games? Simulating the result reliability of battle royale games through agent-based models. *Simulation & Gaming*, 1046878120914336.
- Rosenbusch, H., Evans, A. M., Zeelenberg, M. (in press). Inter- and intra-regional variability of intergroup bias predicts online hostility. *European Journal of Personality (Special Issue: Behavioral Personality Science in the Age of Big Data)*.
- Rosenbusch, H., Aghaei, M., Evans, A. M., Zeelenberg, M. (in press). Psychological trait inferences from women's clothing: Human and machine prediction. *Journal of Computational Social Science*.
- Evans, A. M., Stovrova, O., Rosenbusch, H. (in press). Expressions of doubt and trust in online user reviews. *Computers in Human Behavior*.
- Rosenbusch, H., Soldner, F., Evans, A. M., Zeelenberg, M. (under review). Supervised machine learning methods in psychology: A practical introduction with annotated R code.
- Rosenbusch, H., Evans, A. M., Zeelenberg, M. (under review). Superficial characteristics of scientists and evaluations of their TED talks: Bayesian reestimation of previous Null effects.
- Rosenbusch, H., Evans, A. M., Zeelenberg, M. (in preparation). Bayesian prior elicitation: An opportunity to conjure up the wisdom of the inner crowd?.
- Rosenbusch, H., Aghaei, M., Evans, A. M., Zeelenberg, M. (2019). Predicting psychological associations to women's clothes: A database and computer vision model. Presented at *Economic and Consumer Psychology Workshop Cologne*.
- Rosenbusch, H., Wanders, F., Pit, I. (2019). The Semantic Scale Network: An online tool to detect semantic overlap of psychological scales and prevent scale redundancies. Presented at *IC2S2*.
- Rosenbusch, H., Evans, A. M., Zeelenberg, M. (2018). Distinguishing trust and gullibility through Twitter language. Presented at *TIBER 2018*.
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TEACHING

This section lists my teaching activities in the last two years. Despite the fact that my work is mainly conducting research, I always enjoy sharing knowledge and skills with others.

I taught in several Bachelor level courses including: Introduction to Psychology, Social Psychology, Consumer Behavior and Big Data, Cultural Psychology, and Attitudes and Advertising. Further, I regularly supervise Bachelor theses. Additionally, I presented at a research colloquium on machine learning for social scientists and gave a workshop on machine learning with Python for economists.

AWARDS AND SCHOLARSHIPS

This section lists funding that I acquired for my studies and research.

Research Talent Grant 2017

This grant was awarded to me by the Nederlandse Organisatie voor Wetenschappelijk Onderzoek (NWO) in order to finance a joint Ph.D. project between the University of Groningen and the University of St Andrews. I decided to not accept the grant and instead start my Ph.D. project at the University of Tilburg, because Tilburg offered me more opportunities to study research methods and statistics.

Excellent Student Grant 2016

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This grant was awarded to me by the Groningen University Fund (GUF) in order to support my research traineeship at the University of St Andrews.

PROMOS Scholarship 2014

This scholarship was awarded to me by the Deutscher Akademischer Austauschdienst (DAAD) in order to finance my studies at the University of Queensland.

RESEARCH AND CONSULTING ASSISTANSHIPS

This section lists voluntary research and consulting activities that I engaged in as a student. During my Bachelor studies these activities involved consulting non-academic institutions, while later activities revolved around experimental design and data analysis.

08/2016 – 10/2016 School of Psychology & Neuroscience, St Andrews University

- Research project on intergroup emotions and radical collective action

09/2015 – 07/2016 Faculty of Behavioural and Social Sciences, University of Groningen

- Research projects on political correctness and intergroup perceptions

10/2014 – 8/2015 Institute of Experimental Industrial Psychology, Leuphana University

- Experimental design (EEG studies) and experiment supervision

09/2014 – 12/2014 Institute of Strategic Human Resource Management, Leuphana University

- Consulting of a large aircraft manufacturer regarding expatriation policies

08/2014 – 09/2014 Research Project 'Silver Worker Index', Leuphana University

- Co-design of an advisory presentation for German politicians
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SKILLS

This section gives a brief introduction to the instruments and skills I use during my everyday work. The underlying trend is that I seek out work involving data and people.

IT instruments:

R, Python, Git, SQL, NetLogo, Qualtrics, Kaggle, Adobe CC, MTurk/Prolific; Basics in: C, HTML, CSS

Memberships/Engagement:

Member of PhD Council for Social and Behavioral Sciences

Co-founder and editor of The Amnesty Post in Groningen (human rights magazine)

Member of Kalliope Groningen Debating Society

Languages:

German (native), English (fluent), French (medium), Dutch, Spanish (basics)

REFEREES

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These referees have stated that they are happy to provide information about my work and skills. I selected them as they supervised me on three different research projects at different institutions.

Prof. Marcel Zeelenberg, University of Tilburg, Email: ____@uvt.nl, Tel: +31 ____

Prof. Russell Spears, University of Groningen, Email: ____@rug.nl, Tel: +31 ____

Prof. Nicole Tausch, University of St Andrews, Email: ____@st-andrews.ac.uk, Tel: +44 ____