

Hannes Rosenbusch

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"I am a Ph.D. candidate working on computational methods in the behavioral sciences"

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 | "Computational methods in the behavioral sciences"

Supervisors: Prof. Marcel Zeelenberg & Dr. Anthony Evans
Abstract: The Ph.D. project investigates how data science methods like social media analyses and machine learning can be integrated into behavioral research. Further, it involves the development of multiple software solutions (code packages and online applications) for meta science.

Summer Institute in Computational Social Science (2018, Helsinki)

Summer School on "Decisions, Laws, and the Big Data Revolution" (2017, Haifa)

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

This section describes my scientific work. I just finished writing my Ph.D. dissertation and the recurring themes in my work include computational research methods, machine learning, software, development, and analyses of unstructured data. I also served as a reviewer for Cyberpsychology and the Journal of Computational Social Science. Next to scientific outlets my work has been featured in popular science media like Science Daily and Psychology Today.

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., Hilbert, L. P., Evans, A. M., & Zeelenberg, M. (2020). StatBreak: Identifying “lucky” data points through genetic algorithms. *Advances in Methods and Practices in Psychological Science*, 3(2), 216-228.

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. (2020). Interregional and intraregional variability of intergroup attitudes predict online hostility. *European Journal of Personality*, 34(5), 859-872.

Rosenbusch, H., Aghaei, M., Evans, A. M., Zeelenberg, M. (2020). Psychological trait inferences from women’s clothing: Human and machine prediction. *Journal of Computational Social Science*, 1-23.

Rosenbusch, H., Soldner, F., Evans, A. M., Zeelenberg, M. (2021). Supervised machine learning methods in psychology: A practical introduction with annotated R code. *Social and Personality Psychology Compass*, e12579.

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.

Evans, A. M., Stavrova, O., & Rosenbusch, H. (2021). Expressions of doubt and trust in online user reviews. *Computers in Human Behavior*, 114, 106556.

UNDER REVIEW

Rosenbusch, H. (under review). Autonomous human error learning: Using reinforcement learning models to identify weak points in human performance.

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.

CONFERENCE CONTRIBUTIONS

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. Poster presented at *IC2S2*.

Rosenbusch, H., Evans, A. M., Zeelenberg, M. (2018). Distinguishing trust and gullibility through Twitter language. Poster presented at *TIBER 2018*.

TEACHING

This section lists my teaching activities. I always enjoy sharing knowledge and skills with others.

I hosted a research colloquium on machine learning for social scientists and gave a workshop on machine learning with Python for economists. Further, I was invited to give guest lectures on machine learning and algorithms at Princeton University and the University of Antwerp.

At the Bachelor level, I taught the following: Introduction to Psychology, Social Psychology, Consumer Behavior and Big Data, Cultural Psychology, and Attitudes and Advertising. Further, I regularly supervise Bachelor theses and Academic Skills group projects.

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

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 WORK

This section lists voluntary research and consulting activities. In addition, I regularly consult non-academic institutions, which are interested in my research.

2020 (cancelled) Data Science for Social Good Fellowship, Carnegie Mellon University

- This fellowship would have consisted of project work for social causes

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

08/2014 – 8/2015 Institute of Strategic Human Resource Management, Leuphana University

- Consulting of a large aircraft manufacturer regarding expatriation policies

- Co-design of an advisory presentation for German politicians on age and work

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, Adobe CC, MTurk/Prolific; Basics in: C, HTML, CSS

Memberships/Engagement:

Member in the Association of Data Scientists (ADaSci)

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 & Dutch (intermediate)
