

**Hannes Rosenbusch**

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**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 &amp; 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.

**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)

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**PROFESSIONAL PUBLICATIONS***This section describes my scientific work. I just finished the third year of my Ph.D. research and the recurring themes in my work include computational research methods, machine learning, software, development, and analyses of unstructured data. Next to these 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*.

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*.

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., Stovrova, O., Rosenbusch, H. (in press). Expressions of doubt and trust in online user reviews. *Computers in Human Behavior*.

#### **UNDER REVIEW**

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. (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*.

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#### **TEACHING**

*This section lists my teaching activities. 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 and Academic Skills group projects.

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Additionally, I presented at a research colloquium on machine learning for social scientists and gave a workshop on machine learning with Python for economists.

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### **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.

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### **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.*

#### **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
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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, 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)

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