

Julian Quandt

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Research interests

Confidence in value-based decisions and evaluations | evaluative changes due to response training and attentional processes | data simulation and power analysis statistics and open research methods

Education

PhD candidate | Behavioural Science Institute, Radboud University (NL) since 2017
Advisors: Prof. Dr. Harm Veling, Prof. Dr. Rob W. Holland, Dr. Bernd Figner
Topic: *Confidence in Value-Based Decisions and Evaluations and its Relation to the Variation in past Value-Relevant Experiences*
to-be-submitted in March, 2023

MSc Research Master Behavioural Science | Radboud University (NL) 2015 – 2017
Advisor: Prof. Dr. Harm Veling
Thesis: *The role of attention in explaining the no-go devaluation effect: Effects on appetitive food items (published)*
Graduated with GPA 8.7 (cum laude)

BSc Psychology | Radboud University (NL) 2011 – 2014
Advisor: Prof. Dr. Johan Karremans
Thesis: *Why Attractive Opposite-Sex People are Rewarding but not Approached: A Dual-Process Approach*
Graduated with GPA 7.9 (bene meritum) in the Honours Program

Teaching and Supervision Experience

Statistics 2 2020
Role: Course Coordination Assistance (350 students): instructing tutors, coordinating exam grading, assisting in programming online exams and automatic grading
Curriculum: 2nd year bachelor program psychology

Minor Research Project 2019
Role: Supervision (2 students)
Curriculum: 6 months research internship in the first year of the Behavioural Science Research Master program

Programming Skills: Python 2018 – 2020
Role: Tutorials and Grading (40-60 students)
Curriculum: Elective Course in the Behavioural Science Research Master program
Content: Introduction to Computer Science, the Python programming language, and the development of Experiments in PsychoPy

Master Thesis Supervision 2018 – 2019
Role: Supervisor (3 students)
Curriculum: graduation thesis in the Master program Behavior Change

Bachelor Thesis Supervision 2017 – 2022
Role: Supervisor (4 – 6 students per year)
Curriculum: graduation thesis in bachelor program Psychology

Psychometrics and Decision Theory 2015
Role: Tutor (groups of 20 – 30 students)
Curriculum: 2nd year bachelor program psychology
Content: Descriptive & normative decision-models / Factor-Analysis / Bayes-Theorem

Statistics 2 2013 – 2016
Role: Tutor (groups of 20 – 30 students)
Curriculum: 2nd year bachelor program psychology
Content: Multivariate Statistics in SPSS

Statistics 1 2012 – 2015
Role: Tutor (groups of 20 – 30 students)
Curriculum: 1st year bachelor program psychology
Content: Classical test theory and univariate statistics

Organizations and Committees

Labgroups

Behavior Regulation and Change lab, Behavioural Science Institute, Radboud University since 2016
Decision making, Development, and Psychopathology lab, Behavioural Science Institute, Radboud University since 2017
Mixed-Effects Modelling Group, Donders Institute for Brain Behaviour and Cognition, Radboud University 2018 – 2021

Committees

Scientific Rigor Committee at the Behavioural Science Institute since 2021
PhD representative in staff meetings of the Behavior Change and Wellbeing group of the Behavioral Science Institute since 2020

Publications

Peer Reviewed Publications

Quandt, J., Holland, R. W., Chen, Z., & Veling, H. (2019). The role of attention in explaining the no-go devaluation effect: Effects on appetitive food items. *Journal of Experimental Psychology: Human Perception and Performance*, 45(8), 1119.

Chen, Z., Holland, R. W., Quandt, J., Dijksterhuis, A., & Veling, H. (2019). When mere action versus inaction leads to robust preference change. *Journal of Personality and Social Psychology*, 117(4), 721.

- Veling, H., Chen, Z., Liu, H., **Quandt, J.**, & Holland, R. W. (2020). Updating the p-curve analysis of Carbine and Larson with results from preregistered experiments. *Health Psychology Review*, 14(2), 215-219.
- Chen, Z., Holland, R. W., **Quandt, J.**, Dijksterhuis, A., & Veling, H. (2021). How preference change induced by mere action versus inaction persists over time. *Judgment and Decision Making*, 16(1), 201-237.
- Quandt, J.**, Figner, B., Holland, R. W., & Veling, H. (2022). Confidence in evaluations and value-based decisions reflects variation in experienced values. *Journal of Experimental Psychology: General*, 151(4), 820.
- Liu, H., Holland, R. W., Blechert, J., **Quandt, J.**, & Veling, H. (2022). Devaluation of NoGo stimuli is both robust and fragile. *Cognition and Emotion*, 1-18.
- Veling, H., Becker, D., Liu, H., **Quandt, J.**, & Holland, R. W. (2022). How go/no-go training changes behavior: A value-based decision-making perspective. *Current Opinion in Behavioral Sciences*, 47, 101206.

Other Publications

- [Standard Operating Procedures for Using Mixed-Effects models](#)
- [Power analysis by data simulation for \(almost\) any design in R](#)

Invited Talks and Workshops

- Power Analysis by Data Simulation in R** April 2022
 Audience: Behavioural Science Institute members (faculty and students)
 Form: 3 hour workshop with introductory talk and tutorials
- The Statistics War: Bayesians vs. Frequentists** April 2021
 Audience: Faculty members of the Social Sciences Faculty of Radboud University
 Form: 60 minutes introductory talk on the debate about Bayesian vs. frequentist hypothesis testing methods
- Extending the Statistical Toolbox** November 2019
 Audience: PhD conference at the Behavioural Science Institute
 Form: 15 minutes introductory talk on developments in statistical methods
- Open Science and Preregistration** October 2019 | 2020 | 2021
 Audience: Starting PhD students at the Behavioral Science Institute
 Form: 10 minute introductory talk for
- Introduction to Bayesian Statistics** April 2018
 Audience: Research Master students
 Form: 90 minutes lecture and 1 hour programming tutorial in R
- The Statistics War: Bayesians vs. Frequentists** March 2018 | May 2018
 Audience: Faculty members of the Social Cognition Group (March) and Communication Science Group (May)
 Form: 40 minutes introductory talk on the debate about Bayesian vs. frequentist hypothesis testing methods

Skills and Interests

Programming Languages and Software

Proficient: R, Python, JavaScript, SPSS
 Competent: html, css, php, Stan, Inquisit

IT and software projects (examples)

Set-up and administration of 2 Ubuntu + RStudio Statistics servers for 2+ years
 Development of a php app to counterbalance conditions in online experiments and to encrypt / decrypt participant identifiers and data
 Development of VBA macros for transferring MS Word comments into Rmarkdown and vice versa

Research Methods

Open Science
 Bayesian Statistics
 Multilevel modelling
 Data simulation and power analysis

References

Prof. Dr. Harm Veling

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Prof. Dr. Rob Holland

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 Behavioural Science Institute, Radboud University
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Dr. Bernd Figner

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