Curriculum Vitae

MSc Roxana Hofmann

Ph.D. candidate at the University of Edinburgh interested in computational behavioural science; personality variability and nuances; gender identities and sexualities

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Education

2022-present	**PhD Psychology**, University of Edinburgh
	Dissertation title: Nuancing gender in psychology
	Supervisors: René Mõttus (University of Edinburgh) and Sandra Matz (Columbia University)
2022	**Summer Institute for Computational Social Science**, École Polytechnique, Paris
	Coursework included Principles of Text and Data Mining in R, Ethics of AI, Advances in Natural Language Processing, Randomized Digital Experiments
2022	**Visiting Scholar**, Columbia University, New York
	Research included analysis of data from global positioning systems (GPS) to explore the relationship between behavioural patterns of mobility and personality characteristics
2020-2021	**MSc Psychological Research**, University of Edinburgh (Grade: With Distinction)
	Dissertation title: A data smoothing approach to improve validity and reliability in personality questionnaire responses (Grade: 78)
	Coursework included Univariate and Multivariate Statistics, Psychological Research Skills, Problem-based Social Psychological Research, Issues and Concepts in Digital Society
2019-2020	**Visiting Student**, University of Edinburgh
	Coursework included Sociology of the Arts, Popular Music, Technology and Society, Criminology, History of Art 2B, Approaches to Visual Culture
2016-2020	**BSc Psychology**, University of Leipzig (Grade: 1.0)
	Dissertation title: A comparison of two approaches for testing the homogeneity of longitudinal covariance structures (Grade: 1.0)
	Coursework included Psychological Methodology and Diagnostics, Personality, Social, Clinical, Work and Organisational Psychology
2016	**Abitur (matriculation exam)**, Albert-Einstein-Gymnasium Magdeburg (Grade: 1.0)

Professional Positions

2022-
present

Teaching Assistant, University of Edinburgh

Supervisors: Dr. Umberto Noe (Department of Psychology)

Tutoring first to third year students weekly in basic as well as advanced concepts of data analysis using R, conducting labs and lab exercises, marking reports and exams

2020

Research Intern, University of Edinburgh

Supervisor: Dr. René Mõttus (Department of Psychology)

Assisted in recruiting participants, statistically analysing personality nuances using network analysis and developing psychological questionnaires for assessing these nuances

2019

Research Assistant, University of Münster

Supervisor: Prof. Dr. Steffen Nestler (Chair of Statistics and Psychological Methodology)

Assisted in developing an R package for estimating longitudinal covariance structures

2018

Research Intern, University of Leipzig

Supervisor: Prof. Dr. Steffen Nestler (Chair of Psychological Methodology)

Assisted in simulating and empirically analysing intensive, longitudinal time series data using multilevel modelling, structural equation modelling, and dynamic factor analysis in R

2017-2018

Research Assistant, University of Leipzig

Supervisor: Prof. Dr. Steffen Nestler (Chair of Psychological Methodology)

Assisted in reviewing literature, recruiting and communicating with participants, implementing and monitoring two large daily diary studies, designing and translating questionnaires, conducting statistical data analysis in R, presenting findings at conferences

2017-2018

Teaching Assistant, University of Leipzig

Supervisors: Dr. Florian Scharf and Dr. Richard Rau (Chair of Psychological Methodology)

Tutored first-year students weekly in univariate and multivariate statistics and programming in R, reviewed statistical concepts taught in lectures, prepared and assessed assignments

Publications

2018

Hofmann, R., Dauter, J., & Nestler, S. (2018). How useful is the Big Five model in describing intraindividual fluctuations in states across time? Presented at the 51st congress of the German Psychology Association in Frankfurt, Germany.

Training

2021	Online Course: Machine Learning in Practice (by DataCamp)
2018	Workshop: Missing Data (by Simon Grund)
	Workshop: Big Data (by Steffen Nestler and Florian Scharf)
	Online Course: Introductions to Python and SQL (by Udacity)
2017	Workshop: Complex Online Surveys Using formr.org (by Ruben Arslan)
	Workshop: Unipark Survey-Software for Advanced (by Mark Haupt)

Teaching

Statistics and Psychological Methodology

Data Analysis in Psychology in R 1

Data Analysis in Psychology in R 3

Languages and Skills

English, German, Bulgarian

R, Python, LaTeX

Awards and Accomplishments

2022	Center for Research in Economics and Statistics (CREST) Funding to attend a two-week summer school at Ecolé Polytechnique, Paris
2020	Graduated Among the Best 5 %, BSc Psychology, University of Leipzig
2019	German Street Dance Champion, United Dance Organisation
	Scottish Street Dance Champion, United Dance Organisation
2018	Bertelsmann Data Science Challenge Scholarship Recipient
2016	Best Mathematics Abitur, German Mathematics Association

Community Involvement

2021-2022	Volunteer Exhibition Assistant at Talbot Rice Gallery
	Volunteer Community Engagement Assistant at Hidden Door Arts
2021	Volunteer Event Assistant at Art27
2017	Volunteer Dance Instructor to raise donations for the Leipzig Refugee Council