

Suhaib Abdurahman

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EDUCATION	PhD Social Psychology (USC) <i>expected 2026</i> Advisor: Morteza Dehghani Focus: Theory-based computational social psychology
	B.S. Psychology (FU Berlin) 2021 Focus: Computational Methods in Social Psychology
	M.S. Energy and Process Engineering (TU Berlin) 2021 Focus: Process Optimisation
	B.S. Energy and Process Engineering (TU Berlin) 2018 Focus: Control Systems
RESEARCH Topics	Morality & Values, Online Behavior, Conflicts & Misinformation, Mental Health & Wellbeing, Computational Social Science, Psychology of AI
RESEARCH Methods	Natural Language Processing, Machine Learning, Agent-based Modelling, Multilevel Modelling, Bayesian Stats, Behavioral Experiments
RESEARCH EXPERIENCE	Graduate Researcher (USC) 2021 - present Dr. Morteza Dehghani (Morality & Language Lab) <ul style="list-style-type: none">• Combined behavioral experiments with advanced computational methods to investigate complex social phenomena• Applied NLP, machine learning, and agent-based modeling to study misinformation and mental health related behavior• Designed and executed multiple complex behavioral studies on topics related to misinformation and intergroup conflicts Undergraduate Research Assistant (FU Berlin) 2018-2021 Dr. Philipp Schäpers & Dr. Helén Lieberman <ul style="list-style-type: none">• Investigated the predictive validity of job-postings for future work experiences using NLP and machine learning• Designed and executed behavioral experiments regarding humor and individual trait preferences in first-contact situations
PUBLICATIONS	Abdurahman, S.* , Vu, H.*, Zou, W., Ungar, L., & Bhatia, S. (in press). A Deep Learning Approach to Personality Assessment: Generalizing Across Items and Expanding the Reach of Survey-Based Research. <i>Journal of Personality and Social Psychology</i> Preston, E. G., Abdurahman, S. , Woodward, D. W., & West, A. E. (2023). Sharing is in fact about caring: Care concerns feature prominently in subreddits devoted to self-injurious thoughts and behaviors. <i>Computers in Human Behavior</i> , 145, 107786.

Vu, H.*, **Abdurahman, S.***, Bhatia, S., & Ungar, L. (2020). Predicting responses to psychological questionnaires from participants' social media posts and question text embeddings. Findings of the Association for Computational Linguistics: EMNLP 2020, 1512–1524.

WORKING PAPERS

Abdurahman, S., Reimer, N.K., Golazizian, P., Baek, E., Shen, Y., Trager, J., Lulla, R., Kaplan, J., Parkinson, C., Dehghani, M. (2023). Moral Alignment Shapes Responses to Shared Content. (Under review, Nature Human Behavior)

Osborne, M., **Abdurahman, S.**, Omrani, A., Trager, J., Dehghani, M. (in preparation). Status-Conferral through norm violations: a large-scale analysis of inter-group conflicts online

CONFERENCES

Abdurahman, S., Preston, E. (2023). Sharing is in Fact about Caring: Care Concerns Feature Prominently on Subreddits Devoted to Self-Injurious Thoughts and Behaviors. SPSP

Abdurahman, S., Osborne, M., Trager, J., Omrani, A., Dehghani, M. (2022). Fighting Fire with Fire: How groups incentivize incivility on social media platforms. Psychology of Technology

Abdurahman, S., Osborne, M., Omrani, A. (2022). Responding to Wrongdoing: Status Conferral in Online Conflicts. Media & Technology Preconference @ SPSP

Projects

Master's Thesis: *Joschka Schulz & Matthias Kraume (TU Berlin)*

An exemplary study on automated categorisation and evaluation of peer-reviewed scientific literature concerning interfacial effects in disperse multi-phase systems

Bachelor's Thesis: *Philipp Schäpers & Stefan Krumm (FU Berlin)*

Predicting Job-Ratings from Job-Postings using Natural Language Processing: A Machine Learning Approach to Understanding Corporate Language

Bachelor's Thesis: *Lia Strenge & Jörg Raisch (TU Berlin)*

Model Identification for Designing a PWM-based Solar Charge Controller

INDUSTRY EXPERIENCE

Management Assistant, MicroEnergy International GmbH 2018 - 2019

- Developed code to automate internal processes, e.g. creating financial reports.
- Analyzed operational procedures and presented findings to senior management.

FELLOWSHIPS AND GRANTS

ERP Fellowship	2022
Ernst-Reuter Fellowship	2019
Avicenna Fellowship	2018
Avicenna Fellowship	2015

RELATED SKILLS

Programming Languages: Python, R, C, JavaScript, MATLAB
Machine Learning and Data Analytics (sklearn, keras, pandas, pytorch, etc.)

LANGUAGES

- English (Fluent)
- German (Fluent)
- Tigrinya (Heritage)