Daniela Gawehns

email: danielagawehns@hotmail.com

website: https://danielagawehns.github.io/

Interdisciplinary researcher building bridges between scientific domains, data traditions and people.



Key Abilities and Knowledge

Open Science and Research Ethics

Co-founder of reprohack.org, a platform to organize reproducibility hackathons. Winner of the Dutch Open Initiatives Trophy 2021 with the ReprohackNL Team. Fellow at the Netherlands e-science center working on definitions of reproducibility in the subdomains of computer science

Interdisciplinary Research

PhD project within the university-wide Data Science Program; Clinical and research Internships in Child and Adult Psychiatry; data collection with social scientists (also qualitative data); teaching assistant for a multidisciplinary course on Complex Networks (Mathematics, Physics and Computer Science)

Community Building, Trainer Certification

Workshops on research reproducibility at Open Science Festival NL, LCRDM meeting and ICT.open; Hackathons at RIVM and during online conferences; collaboration with eScience Center and Leiden University Libraries for workshops, trainings and publications; Certified trainer of VIRT2UE ethics and certified Carpentries Instructor

Project Management

Procurement of sensing hardware, organizing hardware-heavy data collection at a nursing home, selecting team members, organizing stay and board for assistants, logistics of data collection and storage of sensitive data. As a consular officer, responsible for up to 200 000 Euro yearly project budget for cultural events, human rights projects and educational projects

Communication and Event Organisation

Social media for the Reprohack Team (until summer 2022), communications chair for IDA 2020 conference (with an impromptu move to an online conference, included administration of twitter, linkedin, youtube live channel); as a consular officer, responsible for keeping website updated; co-organizer of symposia on Al and Data Science at Leiden University; diplomatic protocol and cultural events in Mumbai and São Paulo

Research Interests

Responsible Research and Innovation: How do we use machine learning and sensing technology responsibly in health care research?

Reproducible Research Results: How do we ensure our results can be reproduced, and our materials reused by others? Can we measure reproducibility?

Employment history

Sept 2018– now PhD Candidate in Computer Science, Leiden UniversityPhD thesis 'Bridging Data Traditions': Multimodal Data Integration for Pattern Mining with an Application in Nursing Science.

Sept 2023– now Coordinator Dutch Reproducibility Network (NLRN)

Internal and external communications of the NLRN, project management, networking activities and daily coordination of the steering group

May 2014 - May 2018 Several Student Assistant Jobs at Leiden University

Student Ambassador for the Bachelor in Psychology (International); Workgroup Teacher for Statistics for Bachelor students in Psychology, Biology, Medical Sciences

2007-2013 Consular Officer

German consulates in Mumbai and São Paulo. Heading local staff team responsible for legal and notary services, project officer for cultural, human rights and protocol affairs.

Education

2015–2018 Master in Psychology (Neuropsychology)

Leiden University, Master Clinical Neuropsychology with electives in diagnostics and treatment for children and adolescents. Internships at Erasmus MC (children psychiatry, 6 months) and Vogtareuth (children's rehabilitation clinic and day clinic, 3 months)

2015–2018 Master in Statistical Sciences

Leiden University, Master Mathematics (Statistical Sciences for the Life and Behavioral Sciences). Internship at Fraunhofer Institute, St. Augustin (Germany)

2013–2015 Bachelor in Psychology

Leiden University, International Bachelor of Psychology, Student at Leiden Honors College; Internship in adult Neuropsychology at Charité Berlin

2004-2007 Verwaltungswirt (FH) - Bachelor in Public Administration

Fachhochschule des Bundes, Bachelor degree as part of the training as an officer in the German foreign service. Studies of public and private law, internships in Berlin and New York, language training.

Selected Publications

- 1. Hettne et. al, ReprohackNL 2019: how libraries can promote research reproducibility through community engagement, lAssist Quarterly 2020
- 2. van Dijk, R., Gawehns, D., van Leeuwen, M. "WEARDA recording wearable sensor data for human activity monitoring", submitted to JORS
- 3. Gawehns, D, van Leeuwen, M, Portegijs, S & van Beek, S, Integrating Qualitative and Quantitative Data: Mixed Methods revisited from a Pattern Mining Perspective, SAA 2021. (Presentation)
- 4. Gawehns, D & van Leeuwen, M Multiple Views on daily life activities in a Nursing Home, Al4Functioning Workshop, IJCAI 2021. (Presentation)
- 5. Ottenhoff et. al, Examination of the genetic factors underlying the cognitive variability associated with neurofibromatosis type 1, Genetics in Medicine, 2020

Languages

German: Native **Dutch:** Fluent

English: Fluent Spanish/French/Portuguese: Intermediate

Interests

Gardening, tinkering with plant dyes and fabrics