

Daniela Gawehns

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OSF: osf.io/4yzfd (for current projects)

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Current Position

PhD Student at the Computer Science Institute
Leiden University, Leiden, The Netherlands

- Developing methods for exploratory pattern mining in multimodal data
- PhD Project in cooperation with the National Institute for Health Services Research (NIVEL)
- Member of the Netherlands Research School for Information and Knowledge Systems (SIKS) and the Inter-faculty Data Science Research Program

Education

February 2016 - October 2018 Master of Science, Statistical Science for Life and Behavioral Sciences
Leiden University, Leiden, The Netherlands

February 2016 - November 2017 Master of Science, Clinical Neuropsychology
Leiden University, Leiden, The Netherlands

September 2013 – February 2016 Bachelor of Science, Psychology
Leiden University, Leiden, The Netherlands

July 2004 - July 2007 Bachelor of Public Administration
Academy of the Foreign Service, Bonn and Berlin, Germany

Research Training

July 2018 - August 2018 Research Internship at Fraunhofer Institute for Algorithms and Scientific Programming (SCAI)
Sankt Augustin, Germany

- Comparing two methods for dimension reduction in time series data (a variational autoencoder and a kernel method with diffusion maps)

February 2016 - May 2017 Research Internship at ENCORE, Erasmus MC
Rotterdam, The Netherlands

- Data collection and writing of a thesis on cognitive phenotypes of children with NF 1

Teaching Experience

January 2019 - ongoing Teaching Assistant at the Computer Science
Institute
Leiden University, Leiden, The Netherlands

- Master Course Urban Computing; assisting with assignment design and grading
- Master Course Complex Networks; assisting with assignments, tutorials

October 2018 - ongoing Mentoring Interns and Thesis Students at LIACS
Leiden University, Leiden, The Netherlands

- Master students from Clinical Neuropsychology (Research Interns and Thesis student)
- Master student Education - Physics (Research Intern)
- Master and Bachelor students Computer Science (Research Intern and Thesis students)

September 2016 – July 2018 Student Teaching Assistant at the Institute of
Psychology and at the Leiden University Medical
Center
Leiden University, Leiden, The Netherlands

- Teaching Assistant for several Statistics Practicals for Bachelor and Master students in Psychology, Biomedical Science, Medicine and Medical Technology

Publications First/ Last Author:

D. Gawehns, G. Veiga and M. van Leeuwen
Focus on dynamics: a proof of principle in
exploratory data mining of face-to-face interactions,
IC2S2 2019, Poster Presentation, peer-reviewed,
non-archival

ReprohackNL 2019: How libraries can promote research
reproducibility through community engagement
K Hettne, R Proppert, L Nab, LPR Saunero, D Gawehns
- IASSIST Quarterly 2020

Co-Authored:

Examination of the genetic factors underlying the
cognitive variability associated with neurofibromatosis
type 1
MJ Ottenhoff, AB Rietman, SE Mous, E Plasschaert et
al. - Genetics in Medicine, 2020

Dynamic macro scale traffic flow optimisation using
crowd-sourced urban movement data
L Arp, D van Vreumingen, D Gawehns, M Baratchi -
2020 21st IEEE International Conference on Mobile

An Intelligent Tree Planning Approach Using Location-
based Social Networks Data ; J.H. van Staalduinen, Jaco
Tetteroo, Daniela Gawehns and M. Baratchi; BNAIC/
BENELEARN 2020

Three oral presentations at NetMob 2019 (peer-
reviewed, non-archival, submitted to data
challenge):

An Intelligent Tree Planning Approach Using
Location-based Social Networks Data
J. van Staalduinen, J. Tetteroo, D. Gawehns and M.
Baratchi

Metaheuristic macro scale traffic flow optimisation
from urban movement data
L. Arp, D. van Vreumingen, D. Gawehns and M.
Baratchi

A Multi-Objective Approach for Optimal Store
Placement
J. Rook, B. Verpaalen, D. Gawehns and M. Baratchi

Presentations Gawehns, D & van Leeuwen, M Patient Heterogeneity and Data Quality in Dementia Care Research, Mini-Symposium “Analyzing biological and medical time series”, SIAM General Assembly, 2021. (Presentation)

Gawehns, D & van Leeuwen, M Multiple Views on daily life activities in a Nursing Home, AI4Functioning Workshop, IJCAI 2021. (Presentation)

D. Gawehns, M. van Leeuwen, S. Portegijs, S. van Beek Integrating Qualitative and Quantitative Data : Mixed Methods revisited from a Pattern Mining Perspective, SAA 2021. (Presentation)

Symposium Wearables in Practice, remote, 2021, spotlight presentation

D. Gawehns, Thüringer FDM-Tage, “Transparent Workflows with R - From Raw Data to Results!”, 2021, online presentation

D. Gawehns and K. Hettne, “How-to-Reprohack”, Open Science Festival NL, 2021, pre-conference workshop

D. Gawehns and M. van Leeuwen; Social Fluidity in Children's Face-to-Face Interaction Networks, ECML PKDD 2020, online, workshop presentation, non-archival

D.Gawehns; Open Trackers for Open Science, Froscon 2020, online, presentation

Community Engagement Open Science Community Leiden: Technology-Chair for “Repro-Hack” in November 2019
Open Application to become a Open Science
Contact Person within the Faculty of Science

Core-Team Member of Reprohack; a series of events to connect junior researchers and work on making research results more computationally reproducible

Symposium Intelligent Data Analysis 2020:
Publicity Co-Chair

Initiator Symposium Women in Machine Learning and Data Science in Leiden, 2020

Member of Society of Young Network Scientists

Grants Travelgrant: Fit for RII train the trainer course in Göttingen
Workshop: Women in CSS - Workshop in Lausanne (did not take place due to Covid-19 restrictions)
Grant to run ReproHack in Leiden from Leiden Young Academy (co-applicant)
Grant to organize a Wearables in Practice meeting in Leiden (co-applicant) from Leiden Young Academy

Research Integrity Training Fit for RII course - Train the Trainer in Göttingen, 2019 (incl Travelgrant)

Research Workshops and Schools Summerschool Neuro-engineering and Ethics, Tübingen 2017
Workshop Women in Computational Social Sciences, cancelled due to Corona Pandemic, 2020
CNWW (Complex Networks Winter Workshop), 2021

Clinical Experience Internship Clinical Neuropsychology at Charité Berlin
Internship Neuropediatrics at Schön Klinik Vogtareuth

Other work experience

- February 2015 – June 2016 Student Ambassador for the Study Programme
“International Bachelor in Psychology”
Leiden University, Leiden, The Netherlands
- July 2007 - July 2013 Consular Office in the German Foreign Service with
tours in India and Brazil