ADINA S. WAGNER

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EDUCATION

10/2016-02/2019   Otto-von-Guericke University Magdeburg

M.Sc.,
Clinical
Neuroscience

Grade: 1.1 · *with honors*
Thesis: *Catching the eye - Investigating the functional neuroanatomy of visuospatial attention with fMRI and eyegaze recordings during natural stimulation"*. Grade: 1.0
Advisors: Prof. Michael Hanke & Prof. Claudia Preuschhof
Minor: Macroeconomics

10/2012-09/2016   Technical University Braunschweig

B.Sc.,
Psychology

Grade: 1.2 · *ECTS A - Among 10% best*
Thesis: *Disentangling Loneliness: A Prospective Study on Differential Effects of Loneliness Measures on Health in Adults in their Second Half of Life*. Grade: 1.0
Minor: Neurobiology
Elective: Neuropsychology, Forensic Psychology, Counseling Psychology, Rehabilitation Psychology

2004-2012   Phoenix Gymnasium Wolfsburg

Abitur

Grade: 1.1
Special subjects: Maths, English, German

WORK EXPERIENCE

04/2019–current   Research Associate, Research Center Juelich

Institute of
Neuroscience and
Medicine, INM-7

5-year full-time position as a research associate/Doctoral Researcher in Prof. Michael Hanke's Psychoinformatics group, with a focus on research and occasional thesis supervision in BSc and MSc students. Simultaneous work towards a Dr. rer. nat.
Reference: Prof. Michael Hanke · michael.hanke@gmail.com

10/2017–07/2018   Statistics Tutor, OvGU Magdeburg

Psychoinformatics
Lab

Tutor for statistics for first-year Bachelor Psychology students.
Self-responsible conception and implementation of 3 hours of weekly statistics tutoring, tailored to the lecture. Initiated, planned and conducted evaluation of own teaching concept with results showing statistically significant, mostly gender-independent improvements in statistics related attitudes and expectations among students.
Reference: Prof. Michael Hanke · michael.hanke@gmail.com

10/2016–10/2018   Research Associate, Clinic for Neurology

Staedtisches
Klinikum
Braunschweig

Development and implementation of a patient study to evaluate validity of the IQCODE as a measure for early detection of Alzheimers Disease.
Reference: Julia Guenther · j.guenther@klinikum-braunschweig.de

06/2015–08/2017   Research Assistant, TU Braunschweig

Department for
Developmental,
Forensic and
Personality
Psychology

Research-oriented tasks, predominantly statistical evaluation of a forensic rehabilitation program for criminals (R&R; Reasoning & Rehabilitation)
Reference: Prof. Daniela Hosser · daniela.hosser@tu-bs.de

	05/2013–08/2014 Research Assistant, TU Braunschweig
Department for Developmental, Forensic and Personality Psychology	Tasks in research and teaching, among others conception of childrens' Uni ("Warum kann das Gewissen beissen") of the TU Braunschweig, validation and re-conception of the German version of the depression-anxiety-stress scale (DASS), and tasks in the field of lie detection and emotion recognition. Reference: Prof. Daniela Hosser · daniela.hosser@tu-bs.de

INTERNSHIPS AND RESEARCH STAYS

	10/2018–02/2018 Visiting Student, Dartmouth College
Department for Psychological and Brain Sciences	Four-month voluntary research-stay under supervision of Prof. Yaroslav Halchenko in Prof. Jim Haxbys Lab at Dartmouth College, New Hampshire, USA. Work in the area of brain imaging, machine learning, open science/open software and software development, predominantly in a project deriving models of the neural basis of eyemovement control with searchlight-hyperalignment and Gaussian naive Bayes classification. Reference: Prof. Yaroslav Halchenko · Yaroslav.O.Halchenko@dartmouth.edu
	02/2017–03/2018 Internship student, OvGU Magdeburg
Department of Neuropsychology	Four-week voluntary internship under supervision of MSc Christian Kaiser in the area of neuropsychological research on the habenula via behavioral computer-based experiments and structural MRI. Reference: MSc Christian Kaiser · christian.kaiser@ovgu.de
	04/2016–07/2016 Internship Student, Klinikum Braunschweig
Clinic for Neurology	Thirteen-week voluntary internship under supervision of MSc Julia Guenther in the area of neuropsychlogical testing and diagnostics. This internship led to a two year contract as a research associate. Reference: Julia Guenther · j.guenther@klinikum-braunschweig.de
	09/2014–04/2015 Visiting Student, Cambridge University
Institute of Psychology, Subdepartment of Animal Behavior	Six-month voluntary research stay under supervision of Dr. Ljerka Ostojic in Prof. Nicky Clayton's Labs at the University of Cambridge, Institute of Psychology. Research assistance in the area of comparative psychology, especially pseudo-episodic memory and social cognition of Garrulus glandarius (Eurasian Jay) and other corvids. Reference: Dr. Ljerka Ostojic · lo245@cam.ac.uk
	05/2013-08/2014 Internship Student, TU Braunschweig
Department for Developmental, Forensic and Personality Psychology	Internship under supervision of Prof. Daniela Hosser in the area of forensic-psychological assessment of victims of sexual assault. Reference: Prof. Daniela Hosser · daniela.hosser@tu-bs.de
	02/2013-03/2014 Internship Student, TU Braunschweig
Department for Methods and Biopsychology	Research-oriented internship under supervision of BSc Florian Lange in the area of experimental psychology, with a focus on the replication of ego-depletion effects and inference. Reference: Dr. Florian Lange · florian.lange@kuleuven.be

JOURNAL ARTICLES

2020   Dar, A. H.*, Wagner, A. S.* & Hanke, M. (2020). REMoDNaV: Robust Eye Movement Detection for Natural Viewing. Behavior Research Methods, doi.org/10.3758/s13428-020-01428-x

Beller, J.* & Wagner, A.S.* (2020). Cross-cultural Effects of Loneliness: Individualism/Collectivism Moderates the Effect of Loneliness on Health. Journal of Aging and Health. DOI: 10.1177/0898264320943336

2019   Yarkoni, T. et al. (2019), PyBIDS: Python tools for BIDS datasets. Journal of Open Source Software. DOI: 10.21105/joss.01294

Wagner, A. S., Hanke, M. & Halchenko, Y. O (2019). multimatch_gaze: The MultiMatch algorithm for gaze path comparison in Python. Journal of Open Source Software. DOI: 10.21105/joss.01525

Mathot, S., Wagner, A. S. & Hanke, M. (2019). Pupil size, locus coeruleus, emotional intensity, and eye movements during unconstrained movie viewing. Journal of Vision. DOI: 10.1167/19.10.252c

2018   Beller, J & Wagner, A. (2018). Loneliness, Social Isolation, their Synergistic Interaction and Mortality. Health Psychology. DOI: 10.1037/hea0000605

Wagner, A, Klag, J., Toennies, E., Sennock, S., Leikeim, L. & Dodel, R. (2018). Neue Kriterien fuer die Diagnose der Demenz mit Lewy-Koerpern. InFo Neurologie & Psychiatrie. DOI: 10.1007/s15005-017-2088-2

2017   Lange, F., Wagner, A., Mueller, A. & Eggert, F.(2017). Subscales of the Barratt Impulsiveness Scale differentially relate to the Big Five Factors of Personality. Scandinavian Journal of Psychology. DOI: 10.1111/sjop.12359

Beller, J. & Wagner, A. (2017). Disentangling Loneliness: A Prospective Study on Differential Effects of Loneliness Measures on Health in Adults in their Second Half of Life. Journal of Aging and Health. DOI: 10.1177/0898264316685843

BOOKS AND BOOK CHAPTERS

2020

Wagner, A. S., ... & Hanke, M. (2020). The DataLad Handbook, Release 0.12 DOI: 10.5281/zenodo.3608612

2019

Hanke M., Mathôt S., Ort E., Peitek N., Stadler J. & Wagner, A. S. (2019). A Practical Guide to Functional Magnetic Resonance Imaging with Simultaneous Eye Tracking for Cognitive Neuroimaging Research. In: Pollmann S. (eds) Spatial Learning and Attention Guidance. Neuromethods, vol 151. Humana, New York, NY. DOI: 10.1007/7657_2019_31

POSTER

2020   WAGNER, A. S., ...& Hanke, M. The DataLad Handbook: A user-focused and workflow-based addition to standard software documentation. Virtual OHBM meeting 2020

Poldrack, B., WAGNER, A. S., ...& Hanke, M. A model implementation of a scalable data storage for scientific computing with DataLad. Virtual OHBM meeting 2020

Poldrack, B., Meyer, K., ...& Hanke, M. DataLad: Management and transport logistic for scientific (meta)data. 7th HPB Summit, Athens

2019   WAGNER, A. S., Dar, A.H. & Hanke, M. (2019) A Python-based Algorithm for Robust Event Detection for Eye Movements During Natural Viewing. 3rd HBP Supercomputing Workshop, Juelich, Germany, 2019

WAGNER, A. S., Nastase, S. A., Hanke, M. & Halchenko, Y. O. (2019). Turn it sideways: A novel approach for determining the specificity of functional ROIs. OHBM 2019, Rome.

2017   WAGNER, A. & Beller, J. (2016) Disentangling Loneliness: A Prospective Study on Differential Effects of Loneliness Measures on Health in Adults in their Second Half of Life. Congress of the German Association for Psychology (DGPs), Leipzig, Germany

2015   WAGNER, A. & Legg, E. (2015). Seeing it their Way: Implicit Mentalizing or Attention Shifting? Neuro-wissen-schaffen, Hamburg, Germany

TALKS & TEACHING

Workshops

Data management Basics with DataLad. Virtual workshop for the Max Planck Institute Leipzig (MPI CBS). September 2020

Introduction to DataLad. Traintrack session at the virtual OHBM 2020 BrainHack. June 17th 2020

DataLad for collaborative and reproducible science. 2-day workshop at the Scuola alti studi Lucca, Italy. March 23-24, 2020 - CANCELLED DUE TO COVID-19

Data management with DataLad. Workshop for the Institute for Neuroscience and Medicine, Structural and Functional Brain Organization (INM-1). Jan. 21st 2020 (recording available on Youtube)

Data management and the BIDS data standard. Workshop for the IRTG graduate program of RWTH Aachen, Nov. 26th 2019

Introduction to version control with Git. Jülich Research Centre, Jul. 4th 2019

Lectures

Scalable data management. 4-month lecture series for INM-7, Juelich Research Centre, Autumn 2019

Inferential Statistics. One semester tutorial series for 1st year undergraduate Psychology students, Otto-von-Guericke Universität Magdeburg, Summer 2018

Descriptive Statistics. One semester tutorial series for 1st year undergraduate Psychology students, Otto-von-Guericke Universität Magdeburg, Winter/Spring 2017/2018

Talks

"DataLad - Decentralized Management of Digital Objects for Open Science", Virtual DebConf20. August 25th, 2020

"Reproducible Research Objects with DataLad", OHBM Open Science Room 2020, Open Workflows theme. June 24th, 2020

"A reproducible paper", INM-7 seminar meeting, Juelich research centre

SOFTWARE, AND SOFTWARE I HAVE CONTRIBUTED TO

Own open software projects

WAGNER, A. & Hanke, M. adswa/multimatch_gaze: multimatch-gaze-v0.1 (Version v0.1). Zenodo. doi.org/10.5281/zenodo.2658123

WAGNER, A., ... & Hanke, M. The DataLad Handbook

Hanke, M., Dar, A. H. & WAGNER, A (2019). psychoinformatics-de/remodnav: Submission time (Version 1.0). doi.org/10.5281/zenodo.2651042

Software contributions

Hanke, M., Halchenko, Y. O., Poldrack, B., Meyer, K., Solanky, D.S., Alteva, G., ... WAGNER, A.S. (2020, May 22). DataLad (Version 0.13.orc2). doi.org/10.5281/zenodo.3840589

The Turing Way Community, Arnold, B., Bowler, L., Gibson, S., Herterich, P., Higman, R. ... Whitaker, K.. (2019, March 25). The Turing Way: A Handbook for Reproducible Data Science (Version v0.0.4). Zenodo. doi.org/10.5281/zenodo.3233986.

Markiewicz, C. J., De La Vega, A., WAGNER, A., Halchenko, Y. O., Poldrack, R. A., & Gorgolewski, K. J. (2019, February 1). poldracklab/fitlins: 0.2.0 (Version 0.2.0). doi.org/10.5281/zenodo.2555453

Yarkoni, T., Markiewicz, C.J., de la Vega, A., Gorgolewski, K.J., Salo, T., Halchenko, Y.O., et al. (2019, February 1). bids-standard/pybids: 0.7.1 (Version 0.7.1). doi.org/10.5281/zenodo.2555449

For all of my contributions to open source software, please visit my Github account (www.github.com/adswa).

AWARDS AND GRANTS

06/2020-06/2021	REPRONIM/INCF TRAINING FELLOWSHIP: Received one of five full year Train-the-Trainer fellowships
07/2019	HUMAN BRAIN PROJECT EDUCATION PROGRAM, Fee waiver based on abstract-based application for the 3rd HBP curriculum workshop series
03/2013-02/2019	GERMAN ACADEMIC FOUNDATION, Scholarship
09/2014-04/2015	ERASMUS PLACEMENT, Funding for research internship abroad
09/2014-04/2015	GERMAN ACADEMIC FOUNDATION, Research-Scholarship (4 months at Dartmouth College, NH, US)
10/2018-01/2019	GERMAN ACADEMIC FOUNDATION, Research-Scholarship (6 months at Cambridge University, UK)
10/2016-10/2018	FORSCHUNGSGEMEINSCHAFT FUER KOGNITIVE NEUROLOGIE E.V., Research Grant

I developed a broad collection of software and technical skills in the wake of my association with the Psychoinformatics Lab since late 2017 through extensive use on up to a daily basis and thanks to learning one-on-one from experienced systems administrators, software developers, and data scientists. I extended these skills with on-site and web-based software development, data analysis, and programming courses.

Programming	Experience in Python (2 and 3), bash, LaTeX, R, HTML
Open Source/ Software	Version control with Git (+ teaching), data management with DataLad, collaborative software projects on Github, contributions to large software projects (PyMVPA, fitlins, PyBIDS, DataLad, ...), own Github based software and data-analysis projects.
Data Science	Experience in generic scripting with Python (NumPy, pandas, sklearn, matplotlib, pyplot, seaborn, ...), R (lmer, brms, ez, ..., + teaching experience), SPSS, STATA (econometric modeling)
Neuroscience	Experience in scripting for neuroimaging in Python (pymvpa, sklearn, nibabel, nipype, fmriprep, fitlins, pybids, FSL), basic experience with modeling and simulation with NEST and Arbor
Miscellaneous	Experience in usage of Datalad, Datalad-containers, Docker, Singularity, Singularity-Hub, Unix, Debian, zshell, vim, pycharm, reveal.js
Generic Office Skills	MS-Office, LibreOffice, Microsoft Windows, Adobe Photoshop Elements, Gimp, Inkscape

OTHER INFORMATION

Hackathon	2020 · Turing Way book dash Attendance of the TuringWay book dash in London, UK, 20.-21.02.2020
Academic Advancement	2019 · Neurohackademy Attendance of the 14 day Neurohackademy 2019 in Seattle, WA, USA, 29.07.-09.08.2019
Academic Advancement	2019 · High-performance computing for neuroscience: hands-on introduction to supercomputing, tools, and applications Attendance of 3 day workshop on supercomputing usage, organized by the Human Brain Project Education Programme, 09.07.-11.07.2019
Hackathon	2019 · OHBM 2019 Hackathon Rome Attendance of the Hackathon of the OHBM in Rome, Italy, 06.-08.06.2019
Academic Advancement	2018 · 2nd Bayes Symposium Attendance of 4 day workshop on Bayesian Multilevel Modeling with Paul Buerkner, 30.07.-03.08.2018
Organizing committee	2018 · Brainhack Magdeburg 2018 Co-Organizer of the Brainhack Magdeburg, May 3rd-5th, part of the Brainhack Global 2018
Academic Advancement	2016-2018 · Lebenswissenschaftliches Kolleg Participation in two-year life science college of the german academic foundation in the group "Psycho- und Neurowissenschaften"
Voluntary Teaching in Talent Program	2017 · Jugendbildung in Gesellschaft und Wissenschaft e.V. Preperation and conduction of the course "Wenn die grauen Zellen schlapp machen - Neuropsychologie der Hirnerkrankungen und Hirnschaedigungen" of the JGW-Schueler Akademie Papenburg, 23. July 2017 - 03. August 2017
Expert Activities	2017 · Reviewer for the German Academic Foundation e.V

Academic Advancement	2016 · "Kolloquium Neurologische Forschung" Attendance of the 3 day colloquium from 30.09.-02.10. in the Cologne, group 'neurodegenerative diseases' under supervision of Prof. Frank Jessen
Expert Activities, Charity Committee	2015-2016 · Reviewer and committee member for the national charity project "Helfenden helfen. Fluechtlingen helfen."
Academic Advancement	2015 · Neuro-Wissen schaffen Attendence of the 3 day seminar "Neuro-Wissen schaffen", from 10.-12.06.2015 in Hamburg
Academic Advancement, Teaching	2015 · CHOICE One year training to become a certified group coach for vocational orientations for highschool students
Academic Advancement	Since 2014 · online courses on coursera.org and edx.org: · Eindhoven University of Technology: Improving your Statistical Inferences; · Microsoft: Introduction to R programming; · University of Texas: Foundations of Data Analysis Part I; · University of Texas: Foundations of Data Analysis Part II, · Harvard University: Data Analysis for Life Sciences: Statistics and R
Voluntary Work	since 2009 · Lutheranian Church Braunschweig Preperation and supervision of the three-week confirmation travel KFS of the Lutheranian Church in 2009, 2010, 2011, 2015 and since 2016 management of social media webpages
Languages	GERMAN · Mothertongue
	ENGLISH · Advanced (business fluent)
	LATIN · Latin Proficiency Certificate
	ITALIAN · Basic (Level A1.2)

August 26, 2020