

DR. MICHAEL LOHAUS

PERSONAL INFORMATION

E-Mail	mlohaus@yahoo.com
Website	mlohaus.github.io
Age	31

EDUCATION AND EXPERIENCE

30th May 2022	PhD Defense, 1st Reviewer: Prof. Dr. Ulrike von Luxburg 2nd Reviewer: Prof. Dr. Gjergji Kasneci
May–October 2021	Research Internship in the AWS Lablet, Amazon Development Center, Tübingen
2017 – present	International Max Planck Research School for Intelligent Systems, University of Tübingen, Max Planck Institute Ph.D. position in Theory of Machine Learning Supervisor: Prof. Dr. Ulrike von Luxburg
2017	University of Cologne Master Thesis: <i>A Primal-Dual Algorithm for Semidefinite Programs – Analysis and Application</i> (Grade: 1.3) Supervisor: Prof. Dr. Frank Vallentin
2014 – 2017	University of Cologne Master of Science in Mathematics and Economics (Grade: 1.6)
2016	Erasmus in Budapest at the Eötvös Loránd University
2011 – 2014	University of Cologne Bachelor of Science in Mathematics and Economics (Grade: 1.5)
2013	Erasmus in Lund at the Lunds Universitet

PUBLICATIONS

Are Two Heads the Same as One? Identifying Disparate Treatment in Neural Networks.

M. Lohaus, M. Kleindessner, K. Kenthapadi, F. Locatello, C. Russell, In NeurIPS, 2022.

Leveling Down in Computer Vision: Pareto Inefficiencies in Fair Deep Classifiers.

D. Zietlow, M. Lohaus, G. Balakrishnan, M. Kleindessner, F. Locatello, B. Schölkopf, C. Russell, In CVPR, 2022.

Insights into Ordinal Embedding Algorithms: A Systematic Evaluation.

L. C. Vankadara*, M. Lohaus*, S. Haghir, F. Ul Wahab, U. von Luxburg, Under Review, 2021.

Too Relaxed to Be Fair.

M. Lohaus, M. Perrot, U. von Luxburg, In ICML, 2020.

Uncertainty Estimates for Ordinal Embeddings.

M. Lohaus, P. Hennig, U. von Luxburg, ArXiv preprint, 2019.

TEACHING EXPERIENCE

2017 – 2021

University of Tübingen

Teaching Assistant for Algorithms: Involved creating weekly exercises, and organising the tutorial sessions for all students.

Tutor for Mathematics I, and Algorithms: Conducting tutorial sessions and grading exercises.

2013 – 2017

University of Cologne

Tutor for Analysis I, Ordinary Differential Equations, Numerics I

SCHOLARSHIPS

2012 – 2017

Fellow of the 'Studienstiftung des deutschen Volkes' - German National Academic Foundation

2008 – 2009

Academic year in Maryland, USA, with the Congress-Bundestag-Youth Exchange

VOLUNTARY ACTIVITIES

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| Since 2016 | Deutsche Schülerakademie: German Summeracademy for talented High School students <ul style="list-style-type: none">• Teacher of the course <i>Machine Learning – For the Common Good?</i>• Teacher of the course <i>100 % Renewables? – The German Power Grid.</i>• Administrator and Organizer of one German Summeracademy |
| 2014 – 2017 | Student Association of Mathematics |
| Since 2009 | Partnership International e. V.
Active Member for the support of exchange students, conduct of seminars, and public relations activities |

FURTHER INTERESTS AND ABILITIES

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| Languages | German (native), English (fluent), Latin (Latinum), French (A2) |
| Programming | Python, Matlab, some Java and C++ |

Tübingen, November 10, 2022
