Mona Schirmer

PhD Candidate in Machine Learning

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monasch.github.io monaschir monasch

EDUCATION

PhD Candidate in Machine Learning 2022 - present
AMLab, University of Amsterdam Amsterdam
Supervisor: Eric Nalisnick
Thesis topic: Uncertainty Quantification

M.Sc. Statistics 2019-2021
Technical & Humboldt University Berlin Berlin
Final grade: 1.2 (GPA: 3.9/4)
Thesis: Continuous-Discrete Recurrent Kalman Networks (Grade: 1.0)

Diplôme d'Ingénieur Statisticien Économiste (M.Sc.+B.Sc.) 2017-2019
ENSAE Paris Paris
Final GPA: 3.6/4
Core subjects: Applied Mathematics, Statistics, Econometrics, Machine Learning

B.Sc. Economics 2015-2019
Humboldt University of Berlin Berlin
Final grade: 1.5 (GPA: 3.6/4)
Thesis: Representation Learning for Analysing the Evolution of Economic Literature (Grade: 1.0)

B.A. Political Science 2011-2015
University of Munich Munich
Final grade: 1.5 (GPA: 3.6/4)
Thesis: Asian Drivers in Africa: Economic Engagement of India and China (Grade: 1.3)

RESEARCH EXPERIENCE

Research Assistant 2022 - present
The World Bank remote
Supervisor: Sam Fraiberger
Project: Causal Knowledge Extraction from Scientific Text

Research Intern Apr - Sep 2021
Bosch Center for AI remote
Supervisor: Maja Rudolph
Project: Continuous-time Modelling

Research Intern Jul - Aug 2018
Information Systems Chair, Humboldt University of Berlin Berlin
Supervisor: Stefan Lessmann, Alona Zharova
Project: Probabilistic Text Mining for Topic Extraction from Scientific Text

PUBLICATIONS

NeurIPS DistShift

Schirmer, M., Zhang, D., Nalisnick, E. (2023) Beyond Top-1 Agreement: Using Divergences to Forecast Performance under Distribution Shift. *NeurIPS 2023 Workshop on Distribution Shifts.*

EMNLP Findings

Lasri, K., Quinta de Castro, P., **Schirmer, M.**, San Martin, L., Wang, L., Dulka, T., Naushan, H., Pougué-Biyong, J., Legovini, A., Fraiberger, S. (2023) EconBERTa: Towards Robust Extraction of Named Entities in Economics. *EMNLP Findings.*

ICML

Schirmer, M., Eltayeb, M., Lessmann, S., Rudolph, M. (2022) Modeling Irregular Time Series with Continuous Recurrent Units. *International Conference of Machine Learning.*

ECML ML4ITS

Schirmer, M., Eltayeb, M., Rudolph, M. (2021) Continuous-Discrete Recurrent Kalman Networks for Irregular Time Series. *ECML PKDD Workshop on Machine Learning for Irregular Time Series.*

MISCELLANEOUS

Grants & Awards	Travel grant, DAAD (2019) Winner, Paris Peace Forum Hackathon (2018) Travel grant, DAAD (2017) Travel grant, DFJW (2017) Travel grant, Economic Society of Humboldt University (2017) Travel grant, University of Munich (2013) Merit Scholarship, Roland Berger Foundation (2009-2011)
Reviewing	ICML 2023 NeurIPS 2023
Invited Talks	ELLIS Alicante Unit (2022) EDA Group, CISPA Helmholtz Center for Information Security (2022) DAI-Labor, Technical University of Berlin (2022)
Teaching	Teaching Assistant for Machine Learning 1 (2023) Teaching Assistant for Introduction to Machine Learning (2022)
Professional Experience	Student Assistant Data Science @ Idalab, Berlin (2020-2021) Intern NLP @ OECD, Paris (2019) Project Student Machine Learning @ Deloitte, Paris (2019) Project Student Machine Learnn @ Canal+, Paris (2018-2019) Student Assistant @ Chair of Statistics Humboldt University, Berlin (2016-2017) Student Assistant @ German Public Broadcaster ARD, Munich (2012-2015)