CURRICULUM VITAE	Marcel H. Schubert / 01.08.1992	https://github.com/mhschubert/Portfolio
SUMMARY	Data Scientist trained in Economics and Computer Science with 4-year experience in applying machine learning to questions in social and economic sciences. Proficient in implementing end-to-end project pipelines and working with a wide range of data types in different projects, such as NLP classifiers for political ideology predictions on court decisions or defining a behavior type space using unsupervised learning on time-series data. Seeking to leverage my skills in statistical analysis and machine learning to deliver action-oriented solutions to complex business problems.	
EDUCATION 09/2017 – 11/2021	Ph.D. Economics <i>University of Cologne</i> Thesis: Behavioral Economics & Machine Learning	
10/2017 – 11/2019	M.Sc. Cyber Security University of Lancaster	
10/2015 – 09/2017	M.Sc. in Economics University of Bonn	B.Sc. in Computer Science University of Bonn
10/2012 – 02/2015	B.Sc. in Economics Ludwig-Maximilians University (LMU Munich)	
PRACTICAL EXPERIENCE		
10/2017 – today	 Research Fellow Max Planck Institute for Research on Collective Goods Researching the application of machine learning models for behavioral economics Working on end-to-end project pipeline, from scraping to prediction Designing, programming, and statistical analysis of experiments and behavioral studies Visualizing data insights and storytelling for scientific publication Analyzing data and hypotheses using statistics 	
09/2017 – 11/2021	 Ph.D. Projects Defining behavioral arch-types in group interactions using unsupervised learning on time-series data Black-box bias analysis on the impact of machine learning model design for the COMPAS algorithm (predictions for bailing and jailing decisions) Stability and relevance analysis on feature weight matrix of classifiers in NLP authorship analysis tasks using a large-scale experiment Classifier for the political ideology of US court opinions/texts and extension of labeled texts database from 20,000 to 1 mil 	
03/2019 – 05/2019	Guest Researcher GESS ETH Zurich Working Group for Law, Economics & Data Science - Classifier System for Legal Texts (>1000 characters)	
05/2015 – 07/2015	Internship Consultancy Helbling Business Advisors Stuttgart	

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QUALIFICATIONS

VOLUNTARY WORK Ph.D. Representative Max Planck Institute for Research on Collective Goods Financial Officer of University Group **RCDS Bonn** Member of the Public Relations Committee of the Student Representation AStA University of Bonn LANGUAGES German - Native **English - Fluent** Spanish - Basic Swahili - Basic EXPERTISE Statistical Analysis & Econometrics (Proficient) Machine Learning [classical & recent models] (Proficient) Natural Language Processing [NLP] (Proficient) Data Cleaning & Pre-Processing (Proficient) Experimental Design & Causal Inference (Competent) Predictive Analysis (Competent) **Biologically Inspired Computing (Competent)** PROGRAMMING Python (Proficient) R (Proficient) JavaScript (Competent) C (Basic) Java (Basic) DATA SCIENCE & ML Data Science Toolkits [e.g., Pandas, SciPy, NumPy] (Proficient) Scikit-learn (Proficient) Spacy (Proficient) PyTorch (Competent) TensorFlow / Keras (Basic) DATABASE **TECHNOLOGIES** SQL (Competent) MongoDB (Basic) OTHER LaTeX (Proficient) Linux – Shell/Bash (Proficient) Version Control / Git (Proficient) Slurm & HPC Computing (Proficient) HTML/CSS (Competent) oTree (Competent)

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