

Machine Learning from scratch



11th Joint RS-APS and HGS-HIRe Lecture Week



HELMHOLTZ AI Artificial Intelligence
Cooperation Unit



25th–28th November 2024



Friedrich-Schiller-Universität Jena



Helmholtz AI Consultant Team



- ▶ Introduction to predictive modeling with scikit-learn
- ▶ Step-by-step didactic lessons introduce fundamental methodological and software tools of machine learning
- ▶ Predictive modeling pipeline: choices in data preprocessing, choosing models, failure modes and predictions



- ▶ for machine learning beginners
- ▶ Python programming skills



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HI JENA

Research School
of Advanced Photon Science

HGS-HIRe for FAIR

Helmholtz Graduate School for Hadron and Ion Research