

March 27-31: Advanced machine learning and data analysis for the physical sciences

Morten Hjorth-Jensen^{1,2}

¹Department of Physics and Center for Computing in Science Education, University of Oslo, Norway

²Department of Physics and Astronomy and Facility for Rare Isotope Beams, Michigan State University, East Lansing, Michigan, USA

March 27-31, 2023

Plans for the week March 27-31

Deep generative models.

1. Monte Carlo methods and structured probabilistic models for deep learning
2. Partition function and Boltzmann machines
3. Reading recommendation: Goodfellow et al chapters 16-18
4. [Video of lecture](#)
5. [Whiteboard notes](#)