

# Advanced machine learning and data analysis for the physical sciences

**Morten Hjorth-Jensen<sup>1,2</sup>**

<sup>1</sup>Department of Physics and Center for Computing in Science Education, University of Oslo, Norway

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

May 7, 2024

## **Plans for the week of May 6-10, 2024**

### **Generative models.**

1. Finalizing discussion of Generative Adversarial Networks
2. Mathematics of diffusion models
3. Summary of course and plans for the lab sessions

### **Diffusion models**

Text to come here.

### **Summary of course and topics covered**