MINOR IN MACHINE LEARNING

Machine learning (ML) is the science of creating algorithms that learn from data. ML systems are everywhere, from cars and smartphones to various home devices. Businesses of all sizes are investing in ML technology. ML is also ubiquitous across the sciences: Many areas of science generate large amounts of data and rely on ML to assist in making new discoveries in fields ranging from particle physics to medicine.

The ML minor provides students a path that includes introductory and advanced machine learning courses along with the necessary foundational coursework and skills in computing, math, and statistics.

Computer Science has competitive entrance requirements. Please contact a department advisor for more information.

Learning Objectives

Upon successful completion of this program, students will be able to:

1. Develop ML approaches for complex real-world problems.
2. Use a broad range of ML tools, techniques, and algorithms.
3. Apply ML tools in an ethical and socially responsible manner, with an awareness of biases that can result from their indiscriminate use.
4. Communicate results of complex analyses using appropriate visualization techniques.