

DATA 322: Machine Learning for Data Science

Spring 2026

Welcome to **DATA 322: Machine Learning for Data Science!**

This site contains all course materials, including the syllabus, schedule, lectures, assessments, and resources.

Quick Start

- **Course Schedule** - Weekly schedule and course materials
- **Course Syllabus** - Detailed course information and policies
- **Lectures** - All course lectures organized by week
- **Assessments** - Quizzes, exams, and projects
- **Resources** - Textbook, Python downloads, and reference materials

Course Overview

DATA 322: Machine Learning for Data Science (4 units) provides a broad introduction to machine learning, data mining, and statistical pattern recognition. Topics include supervised learning, unsupervised learning, and best practices in machine learning, with a practical emphasis on real-world applications.

Lecture: Monday, Wednesday, Friday, 1:00–1:50 PM, BSS 408

Lab: Tuesday, 1:00–2:50 PM, BSS 313

Program Requirement: Required for the Data Science major

Course Structure

Includes daily warm-up problems during lecture, weekly programming labs, weekly quizzes during lab sessions, two major projects (Unsupervised Learning and Supervised Learning), one midterm exam, and a comprehensive final exam. Projects allow students to apply machine learning techniques to real data problems and may be used as part of a professional portfolio.

Instructor Information

Instructor: Dr. Rosanna Overholser

Office: BSS 334

Email: rho3@humboldt.edu

Office Hours: Mondays 2:00–3:00 PM, Wednesdays 12:00–12:50 PM, Fridays 10:00–10:50 AM, or by appointment