

# **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