

COSC 410LA S25 Lab 2: Classification and Evaluation metrics

This Lab is due **Friday, Feb 7, 2025 at 11:59PM**.

Introduction

The purpose of this lab is to strengthen your understanding of evaluation metrics more broadly the standard Machine Learning pipeline. By completing the lab, you will demonstrate that you understand:

- how to compute precision, recall and accuracy
- how to fit a logistic regression classifier using sklearn
- when to use train, validation and test splits
- how to generate hypotheses about feature relevance and interpret model failure

Provided Files

- Lab2.ipynb
- dat.csv

Work through Lab2.ipynb with your partner(s). Then submit Lab2.ipynb with the cell outputs saved to Gradescope.