# COSC 410LA S25 Lab 3: Classification Competition

This Lab is due **Friday, Feb 14, 2025 at 11:59PM**.

## Introduction

The goal of this lab to expand on your familarity with a standard machine learning pipeline. You'll explore a weather prediction data set. Then, you'll implement a function for fitting a classification model of your choosing on this dataset. By completing the lab, you will demonstrate that you understand

- how to preprocess data in a standard ML pipeline
- how to select a good model for your task
- the ability to hyperparameter tune
- how to work with leaderboards

## Provided Files

- `Lab3.pdf`: This file
- `Lab3.ipynb`: Code scaffold for the lab
- `Leaderboard.py`: Code scaffold that you will need for the leaderboard
- `Lab3_train.csv`: Training examples with labels
- `Lab3_valid.csv`: Validation examples with labels

Good luck :)