

# Lab 9 (*due: Apr 11*)

## MACHINE LEARNING - COSC 4360

Department of Computer Science and Electrical Engineering

Spring 2025

### Exercises

Create a **New Project** for every exercise. Take a screenshot of the source code along with its output and place the **source code** and the **screenshot** in a **zipped folder** named **LastNameFirstName\_Lab9**

#### Exercise 1

Given the following dataset: *balloons\_2features.csv*, create a **Decision Tree Classifier** from scratch. Given the following data point: *[Stretch, Adult]*, **predict** whether the balloon is inflated or not.

**Note:** Submit through **Canvas**