Tuesday Jan 28, 2025

In-class Warm Up

COSC 410A Applied Machine Learning

Prof. Forrest Davis

Name:

Discuss and complete the following questions with the person nearest you. You **may** be asked to share your thoughts with the class.

- 1. What is the best restaurant in town?
- 2. Say you want to model daily ridership in the New York City subway system. You have two features that you aim to use to model the ridership: day type (where 1 means weekend and 0 means weekday) and population. Namely, you want to fit the following model (note this is for illustrative purposes):

daily ridership = $w_1 x_{day type} + w_2 x_{population} + b$

Describe what you expect for the parameters for this model. For w_1 and w_2 , what sign (positive, negative) do you anticipate them having? What does *b* encode?