

CS 440 / ECE 448: Homework 7

Intro to Artificial Intelligence – Spring 2016

Due on: May 2nd 11:59PM via [Compass](#)

Name: UPDATE TO YOUR NAME

Problem 1

Specify the values of w_1 , w_2 , w_3 , and b .

- a) Answer to problem 1.a
- b) Answer to problem 1.b
- c) Answer to problem 1.c
- d) Answer to problem 1.d

Problem 2

Give and explain how you found the VC dimension.

- a) Answer to problem 2.a
- b) Answer to problem 2.b

Problem 3

Provide the written report for training a neural network with backpropagation.

- a) Answer to problem 3.a
- b) Answer to problem 3.b
- c) Answer to problem 3.c
- d) Answer to problem 3.d
- e) Answer to problem 3.e
- f) Answer to problem 3.f
- g) Answer to problem 3.g
- h) Answer to problem 3.h
- i) Answer to problem 3.i
- j) (code should be uploaded separately)