

# Assignment 1 - Training

In this assignment you will work through problems from [Javier Duarte's course page](#).

If the homework refers to a notebook or python file that is not explicitly linked, it will be in Duarte's [GitHub repo](#). Although Duarte indicates point scores, we will grade your overall submission as Mastered/Resubmit like any other assignment.

If you encounter an unknown concept or function in the assignment -- look it up! For example, we might not cover k-fold cross-validation in class.

1. Choose either:

- **A.** Work through hands-on 1a & 1b, and add the completed notebooks to your submission. (Read through the notebooks to make sure you understand the concepts, then do the little exercises at the end. There is one that requires a classmate; if there is none nearby you could use a large language model or skip the exercise.)
- **B.** Link (or add to your submission) a python data science project that you completed earlier.

2. Homework 1, problem 4 (Tensorflow playground). Write down your answers and include screenshots when necessary.

3. Homework 1, problem 2C-H. (Training curves for polynomial regression)

4. Homework 2, problem 1. (SGD for linear regression)