Machine Learning Lab: Instructions

When you're ready to submit your solution, go to the assignments list.

In this assignment, you will be using an approach to optimization called *gradient descent* to implement a rudimentary machine-learning algorithm Wow, these machine-learning jokes write themselves. Eventually.

You can do this lab before watching this week's lectures. The lab is based on material from *The Inner Product*, and serves in part as motivation for this week's lectures.

To complete this assignment, please carefully follow these instructions:

- Download this ZIP file
- 2. Unzip the ZIP file, and copy all its files into your matrix directory.
- 3. Verify that all the files from the ZIP file (including machine_learning.py and machine_learning.pdf and submit_machine_learning.py and cancer_data.py and train.data and validate.data) are now directly in the matrix directory.
- 4. Detailed instructions are in the file machine_learning.pdf .
- 5. Some of the problems/tasks are ungraded. You don't submit solutions to these.
- 6. For each graded problem/task,
 - o test out your solution in the Python REPL;
 - copy your solution into the stencil file | machine_learning.py ;
 - submit your solution by running (from a console, not from the Python REPL) the command
 python3 submit_machine_learning.py to submit. You will need a one-time password to submit this assignment. It's located on this page.

You can use the submit command to submit as many problems as you like at one time.

Have fun!

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https://class.coursera.org/matrix-001/assignment/view?assignm...

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