

Milestone 1

due at midnight on Sun Feb 5 (125 points)

For this milestone, take my [perceptron implementation](#) in Python and:

1. Complete the `learn` method of the `Perceptron` class, implementing the perceptron learning rule. It is supposed to test the perceptron one *one* example, and then adjust the weights according to the error and the learning rate. (You can make the learning rate, `alpha`, an instance variable by setting it in the constructor (`__init__`)).
2. In the `__main__` section of the file, write Python code to train the perceptron to act as either an AND gate or an OR gate by repeatedly (using a loop) presenting it with labeled examples.

After a sufficient number of iterations, print out the weights and the results on all four examples.

To submit, make sure you have completed the [Git setup instructions](#), then save the Python file to your repository folder, commit and push.