

Assignment 1 Report

The program checks the part number and the step number with `sys.argv[]` and the path of the code can determine in this situation.

In line with the information that is given in description, I set up the algorithm of equation and with iteration and by using some libraries like numpy, matplotlib.

In part 1, by using perceptron algorithm, the code finds weight vector and by using it, the code draws the graphic by show generated points and lines.

In part 2, by using closed form solution in multiple linear regression algorithm, the code calculates weight vector and the run time. Also, the run time is printed the console.

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