

Dear Xiran,

Here are some grading criteria for your consideration. The assignment is worth 10 points. A student's script need not be perfect with respect to the following to get a high score (say 9.5 out of 10). You can decide on the points associated with the following categories.

[-2] Please identify 2 or 3 best submissions, rename their script to include their names (HW-1-student_name.py) , and place them in this directory.

[-1] Please record grades on Canvas.
Thank you very much!

[0] Take points off if packages beyond base-python are used
You can run their scripts in a base_py environment to save some time if you'd like.

[1 - part 1] x is assumed to be non-random but sampled from its domain.
No distribution of ϵ is specified. However, the mean and var of ϵ need to be theoretically consistent with the distribution used.

[2 - parts 2 & 3] Students can and should check that their code calculations are correct in Excel (for now).

Either print out x and y and manually copy them into Excel, or save x and y into csv file(s) and import them in Excel.
They can use `csv.writer()` - see Lib-standard.html and python docs.

In Excel, they can use `intercept()`, `slope()`, `rsq()`.

[3 - part 4] Check that the code produces a graph, visually check the the graph looks right.

Extra credit if x is sorted first before plotting the fitted line so that the turtle travels in one direction only and no extraneous connection lines (not necessary in this case but necessary to produce a single fitted curve if it were not a straight line).

Extra credit if one prints the superscripts and subscripts correctly in the annotation.