Directed Project 2

Download the data file `expdata.h5`

Load the data X and Y from the data file `expdata.h5` (see the figure below).

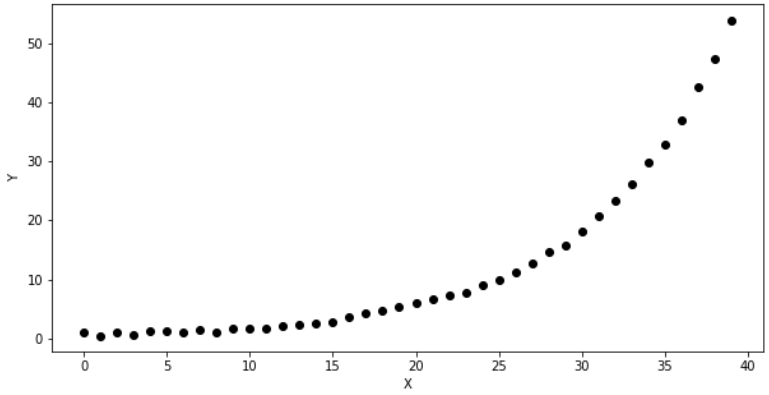

Figure 1: Data

Fit the data from `expdata.h5` to an exponential function $f(x) = a\exp(bx)$ such that function $f(x)$ is close to Y at all X points.

Upload the following items to the class web site:

1. Your code. (If you use Jupyter notebook/lab, export your Python code to a file so that I can test/run it directly in a terminal.)
2. The plot containing the function $f(x)$ and Y data points. (They should be close to each other.)
3. What are the values a and b in your curve fit?