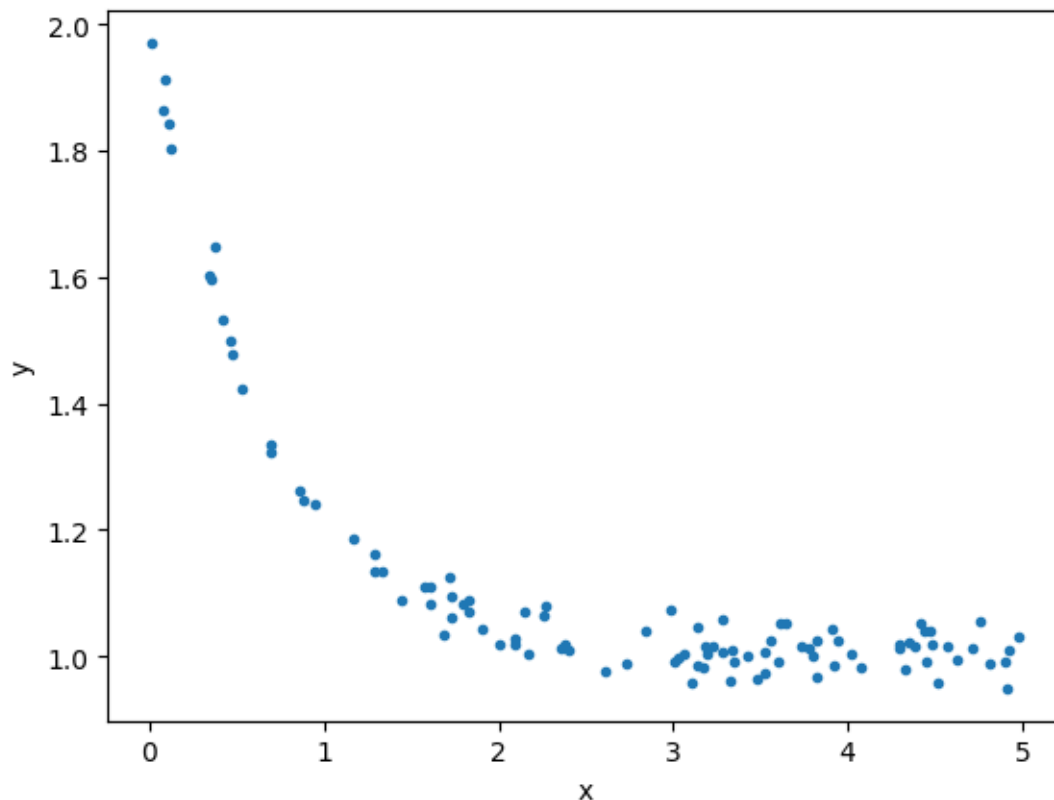


**Assignment 2:** Training models via iterative approach (10 points)

**Due:** 4 Sep 2024. Please submit your report in PDF to LEB2

**Gradient Descent**

The data below can be downloaded from [this link](#).



Fit the data to the following model,

$$\hat{y} = c_0 + c_1 e^{c_2 x}$$

Perform the following tasks.

**Tasks:**

1. Write the error/loss function. (1 points)
2. Write the gradient of each coefficients. (3 points)
3. Write the update rules. (1 points)
4. Implement the gradient descent using the given data. (4 points)
5. Show the loss value over iterations and the resulting coefficients. (1 points)