Read the data into your program from the csv file fitting_N20.csv and create a plot similar to Figure 1.

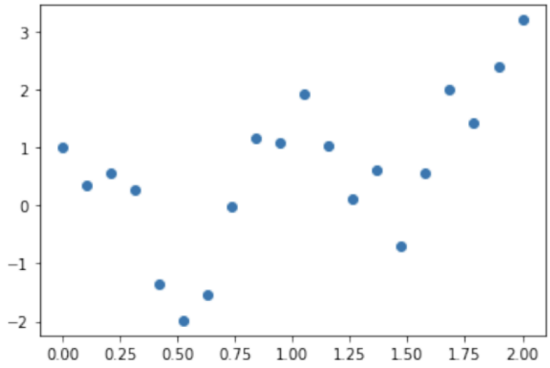

Figure 1: Scatter plot of `fitting_N20.csv`.

data set to approximate f using a function of the form

$$y(x, \boldsymbol{w}) = w_0 + w_1 x + w_2 x^2 + \cdots + w_M x^M = \sum_{j=0}^{M} w_j x^j,$$

After plotting the data, solve this problem numerically by computing the **w** vector. After this, create and plot y(x, **w)** over the data.