You are required to perform a linear regression on a data set. Your dataset is dierent from everyone else, and as such your results will be dierent from everyone else. You will submit and demonstrate and explain your Jupyter Notebook calculations. All the code for the regression analysis except the graphics must be done from scratch. You can download the data set based on your assigned data id number at the following website.

Data Location: http://comine.com/data/ae02

Point your web browser to the URL of the web site to make sure that you are typing in the correct correct. We discussed in class how to download the data le onto your machine, and load it into a numpy array.

1. Your output should be a scatter plot of your data including the regression line. Print out the numerical slope and y-intercept of your regression line.
2. Using your statistical linear regression model, what is the y value for the average of your x data?
3. Find the Person Correlation(r) value for your data.