

Homework - III

- Write a short Python script that reads the file “data_HW1.txt”. The file has 8 columns. Calculate the average of the numbers in each column in a for loop and use `numpy.std()` to calculate the standard deviation of each column (we’ll discuss later how that is defined).
- Send your working Python code to TA
- You can collaborate, but every student needs to write and submit their own code!

x	y	x	y	x	y	x	y
10.0	8.04	10.0	9.14	10.0	7.46	8.0	6.58
8.0	6.95	8.0	8.14	8.0	6.77	8.0	5.76
13.0	7.53	13.0	8.74	13.0	12.74	8.0	7.71
9.0	8.81	9.0	8.77	9.0	7.11	8.0	8.84
11.0	8.33	11.0	9.26	11.0	7.81	8.0	8.47
14.0	9.95	14.0	8.10	14.0	8.84	8.0	7.04
6.0	7.24	6.0	5.13	6.0	6.08	8.0	5.25
4.0	4.25	4.0	3.10	4.0	5.39	19.0	12.50
12.0	10.34	12.0	9.13	12.0	8.15	8.0	5.56
7.0	4.82	7.0	7.26	7.0	6.42	8.0	7.91
5.0	5.63	5.0	4.74	5.0	5.73	8.0	6.89

data_HW1.txt (END)

```
In [16]: x = [1,2,3,4,5,6,7,8,9]
In [17]: np.std(x)
Out[17]: 2.581988897471611
```