

Homework 2: Output from the Terminal

```
%runfile
```

```
C:/Users/dylan/OneDrive/Documents/Grad_School/DAAN_682/HOMEWORK_2/Homework_2.p  
y -wdir
```

Problem: 1.1

```
[[ -0.70353601  1.14563913 -0.40814354 -0.39121003 -2.69072939]  
 [ -1.13034242 -1.320289  -0.95096585 -1.10603101  0.37887155]  
 [  0.51138742 -0.14697105 -0.91577143 -0.80520269  0.07778751]  
 [  1.98235054 -0.65608505  0.57513011 -0.32152875 -0.66084645]  
 [  1.11618599 -0.53062458 -0.6392081  -0.56814115 -0.71030842]]
```

The sum of the diagonals of the array is: -3.971433611812822

Problem: 1.2

The sum of the elements in the .randn matrix is: -8.868582653008108 but their mean is: -0.35474330612032434

The standard deviations of each column of the .randn matrix are: [1.14707204 0.81660889 0.55763258 0.28738423 1.07063958]

The location of the min number in the flattened .randn matrix is: 4 and the location of the max number in the flattened .randn matrix is: 15

Problem: 2.1

```
[[568 146 485 154]  
 [462 381  68 286]  
 [113 946 798 531]  
 [936 474 798 395]]
```

There are 11 even numbers in this array

Problem: 2.2

The sum of the values at the indexes whose sum is divisible by 5 is: 1.8915743685436792