[**Randomization (Due Nov 20)**](https://bblearn.uidaho.edu/webapps/assignment/uploadAssignment?content_id=_2402565_1&course_id=_114890_1&group_id=&mode=view)

Look at the example program and lecture on randomness. You can use the attached code as a starter.

Create a program that generates a dataset of 1000 random values for each of the following types of distributions:

uniform (from 0 to 100), normal (mean 50, standard deviation 10),  expovariate  (lambda parameter 1/50) and betavariate (parameters: alpha = 0.5,  beta = 0.5)

For each variation:

1. Save the plot to a file  (example: plt**.**savefig('plot1.png') instead of plt.show())

File names will be random.png, normal.png, expo.png and beta.png

The plot title should be corrected. In the example it says "Random Numbers' for each chart, but now that should be corrected to be one of Random, Uniform, Exponential or Beta   followed by the word Distribution instead of Numbers.

2. Save the data to a separate file   (one value per line. Write the value out using 6.2 floating point format    print('{:6.2f}'.format(value)).   File names will be random.csv, normal.csv, expo.csv and beta.csv

3. Make sure that you seed the variant with the following seeds:

* Normal:  12345
* Uniform: 34567
* Expo:  98765
* Beta: 65432