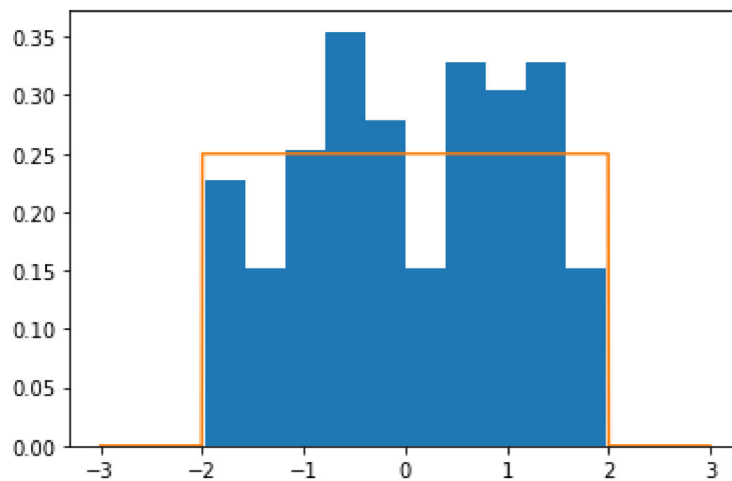


In [1]: *#generating continuous random variable and comparing with pdf in histogram.*

```
from numpy.random import uniform
uniform(low=-2,high=2,size=10)
import matplotlib.pyplot as plt
%matplotlib inline
```

```
In [5]: sample=uniform(low=-2,high=2,size=100)
plt.hist(sample,density=True)
import scipy.stats
X=scipy.stats.uniform(-2,4)
X.pdf(1.5)
import numpy as np
x=np.linspace(-3,3,1000)
plt.plot(x,X.pdf(x))
```

Out[5]: [



In []: