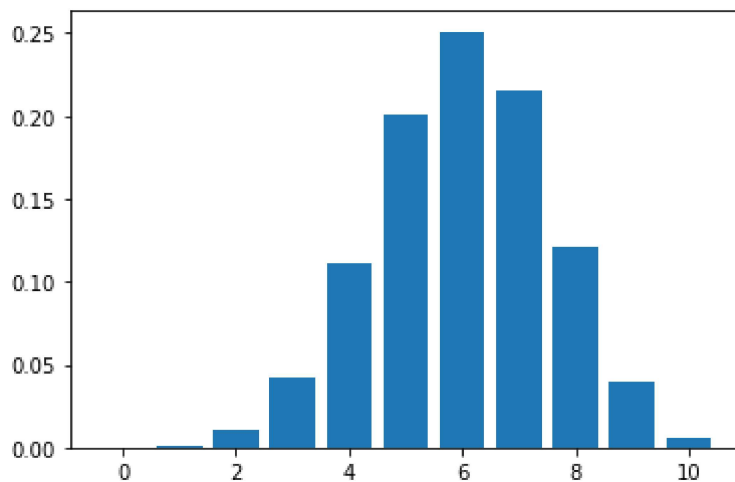
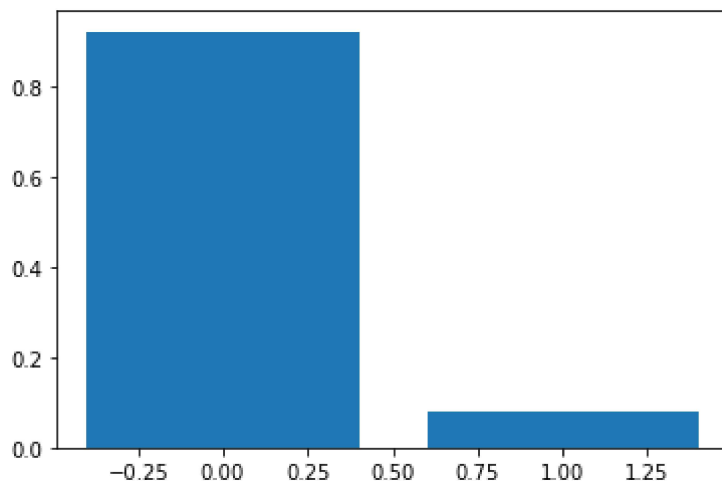


```
In [3]: from scipy.stats import binom
import matplotlib.pyplot as plt
```

```
In [4]: n=10
p=0.6
r_values=list(range(n+1))
dist=[binom.pmf(r,n,p) for r in r_values]
plt.bar(r_values,dist)
plt.show()
```

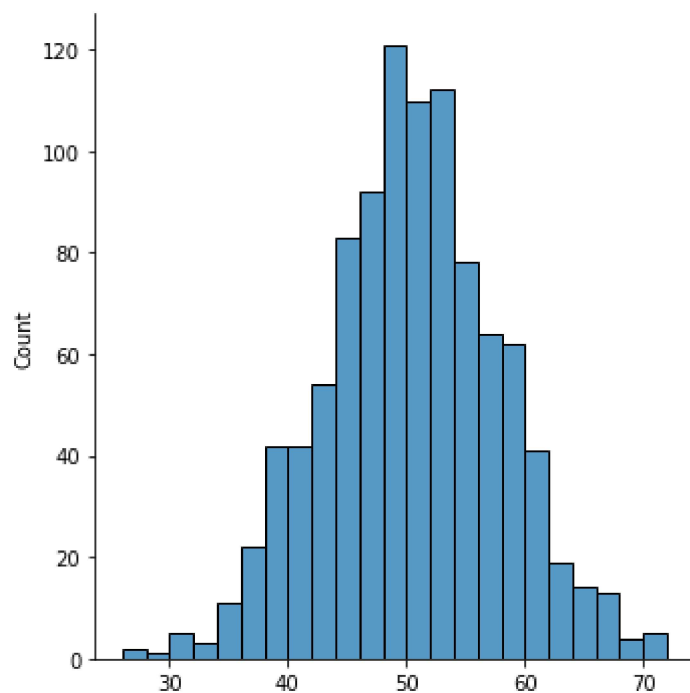


```
In [5]: from scipy.stats import bernoulli
bd=bernoulli(0.08)
x=[0,1]
plt.bar(x,bd.pmf(x))
plt.show()
```



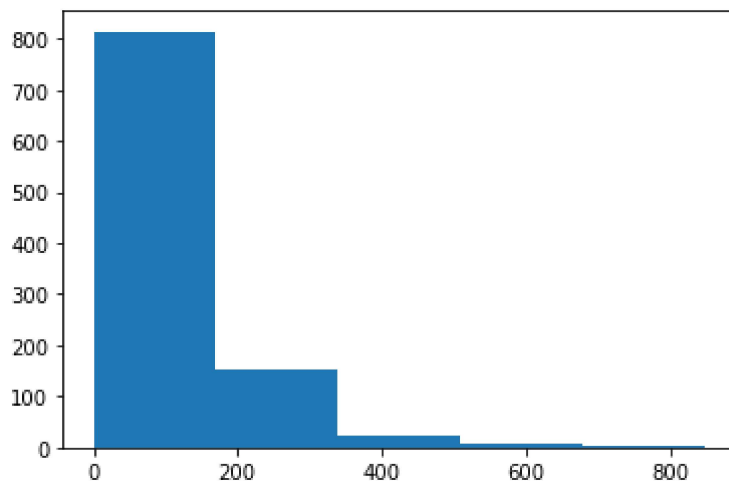
```
In [6]: from numpy import random
import matplotlib.pyplot as plt
import seaborn as sns
```

```
In [7]: sns.displot(random.poisson(lam=50,size=1000))
plt.show()
```



```
In [8]: import numpy as np
import matplotlib.pyplot as plt
```

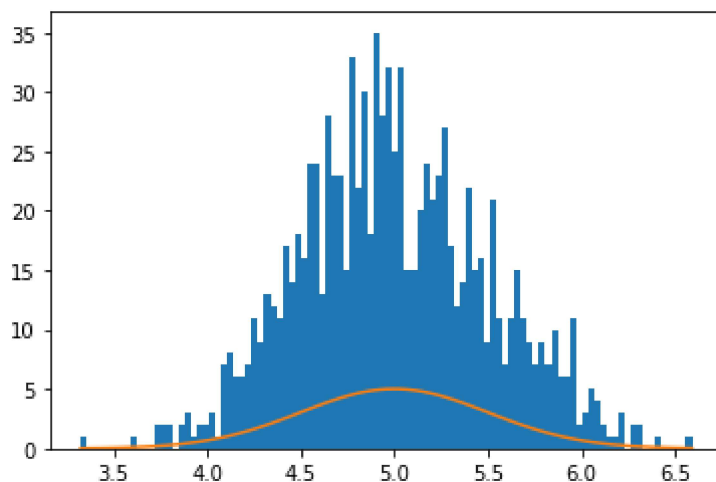
```
In [9]: exp=np.random.exponential(100,1000)
count,bins,ignored=plt.hist(exp,5)
plt.show()
```



```
In [10]: import matplotlib.pyplot as plt
import numpy as np
```

```
In [11]: mu,sigma=5,0.5
s=np.random.normal(mu,sigma,1000)
count,bins,ignored=plt.hist(s,100)

plt.plot(bins,1/sigma*np.sqrt(2*np.pi)*np.exp(-(bins-mu)**2/(2*sigma**2)))
plt.show()
```



```
In [ ]:
```

```
In [ ]:
```

