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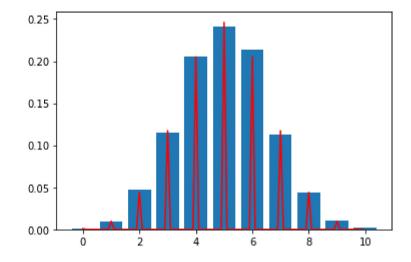
```
In [5]: from numpy.random import binomial
binomial(10,0.3)
```

Out[5]: 5

In [7]: from scipy.stats import binom

```
In [10]: sample=binomial(10,0.3,size=1000)
    X=binom(100,0.3)
    import matplotlib.pyplot as plt
    %matplotlib inline
    import numpy as np
    x=np.arange(0,10,0.1)
    n=10
    p=0.5
    sample=binomial(n,p,size=10000)
    X=binom(n,p)
    freqs=count_frequencies(sample,relative=True)
    plt.plot(x,X.pmf(x),color='red')
    plt.bar(list(freqs.keys()),list(freqs.values()))
```

Out[10]: <BarContainer object of 11 artists>



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In []: