In [2]:
```
from scipy.stats import binom
binom.pmf(k=10,n=15,p=0.65)
```

Out[2]:
```
0.2123386834880357
```

In [3]:
```
binom.cdf(k=3,n=6,p=0.5)-binom.cdf(k=0,n=6,p=0.5)
```

Out[3]:
```
0.640625
```

In [4]:
```
binom.cdf(k=6,n=10,p=0.65)-binom.cdf(k=3,n=10,p=0.65)
```

Out[4]:
```
0.4601487031476562
```

In [5]:
```
from scipy.stats import poisson
poisson.pmf(6,4)
```

Out[5]:
```
0.10419563456702102
```

In [6]:
```
poisson.cdf(4,7)-poisson.cdf(0,7)
```

Out[6]:
```
0.17207972591651693
```

In [7]:
```
1-poisson.cdf(20,15)
```

Out[7]:
```
0.08297091003146029
```

In [8]:
```
from scipy.stats import uniform
uniform.cdf(x=8,loc=0,scale=20)-uniform.cdf(x=0,loc=0,scale=20)
```

Out[8]:
```
0.4
```

In [9]:
```
uniform.cdf(x=19,loc=15,scale=10)-uniform.cdf(x=17,loc=15,scale=10)
```

Out[9]:
```
0.2
```

In [10]:
```
1-uniform.cdf(x=150,loc=120,scale=50)
```

Out[10]:
```
0.4
```

normal distubtion

In [11]:
```
from scipy.stats import norm
1-norm.cdf(100,90,10)
```

Out[11]:
```
0.15865525393145707
```

In [12]:
```
norm.cdf(70,50,15)-norm.cdf(50,50,15)
```

Out[12]:
```
0.4087887802741321
```

In [13]:
```
if 1-norm.cdf(585,500,100)<1*0.3:
    print("He will admitted to this university")
```

```
He will admitted to this university
```

In [ ]:
```

```