



In[8]:= **PDF[BinomialDistribution[6, .11], 0]**

Out[8]= 0.496981

In[9]:= **PDF[BinomialDistribution[n, p], q]**

Out[9]=
$$\begin{cases} (1-p)^{n-q} p^q \text{Binomial}[n, q] & 0 \leq q \leq n \\ 0 & \text{True} \end{cases}$$

In[10]:= **PDF[PoissonDistribution[m], k]**

Out[10]=
$$\begin{cases} \frac{e^{-m} m^k}{k!} & k \geq 0 \\ 0 & \text{True} \end{cases}$$

In[11]:= **PDF[PoissonDistribution[5], 2]**

Out[11]=
$$\frac{25}{2 e^5}$$

In[12]:= **N[%]**

Out[12]= 0.0842243

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digits

more...

