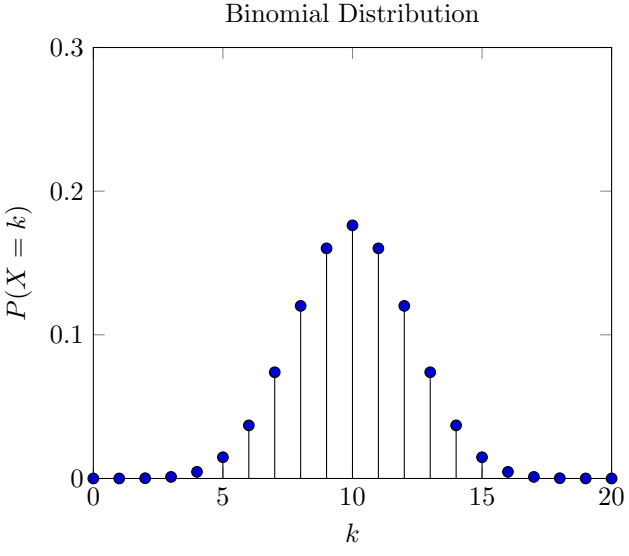

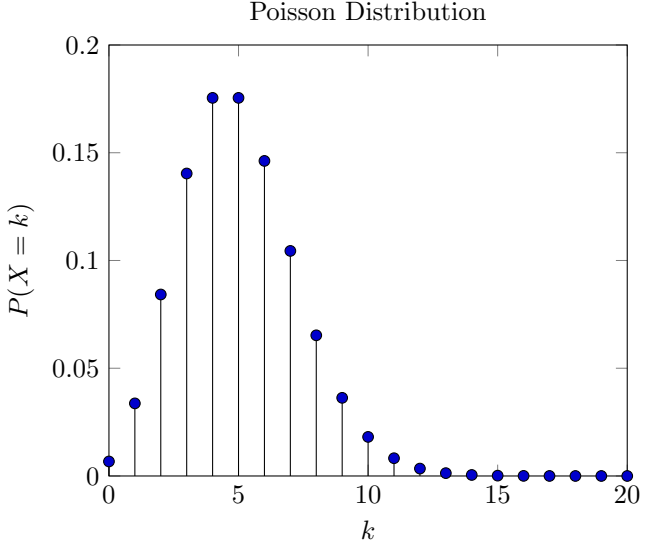

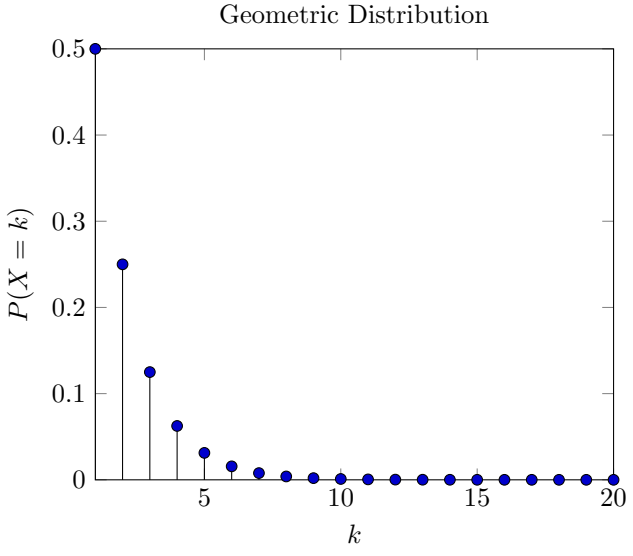

$$P(X = k) = \binom{n}{k} p^k (1-p)^{n-k}$$

$$P(X = k) = \frac{e^{-\lambda} \lambda^k}{k!}$$

$$P(X = k) = p(1-p)^{k-1}$$