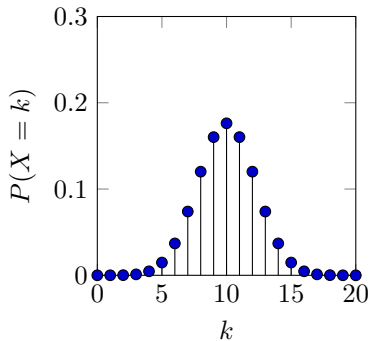
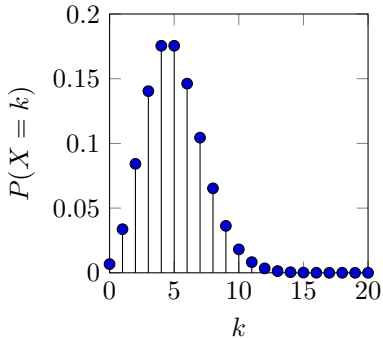


Binomial Distribution



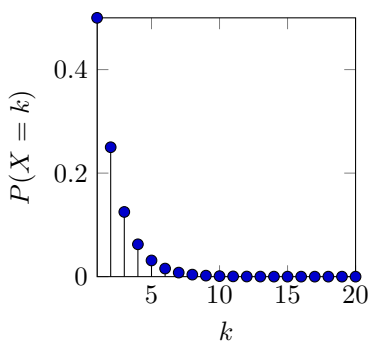
$$P(X = k) = \binom{n}{k} p^k (1 - p)^{n-k}$$

Poisson Distribution



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

Geometric Distribution



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