Distribution	**Notation**	**Mean** $E(X)$	**Variance** $V(X)$
Discrete Uniform	$U(m)$	$\frac{m+1}{2}$	$\frac{m^2-1}{12}$
Binomial	$B(n,p)$	np	$np(1-p)$
Hypergeometric	$H(N,n_1,n)$	$n\frac{n_1}{N}$	$n\frac{n_1}{N}(1-\frac{n_1}{N})\frac{N-n}{N-1}$
Poisson	$P(\lambda)$	λ	λ
Pascal (Neg. Bin.)	$NB(n,p)$	$\frac{n}{p}$	$\frac{n(1-p)}{p^2}$
Geometric	$G(p)$	$\frac{1}{p}$	$\frac{1-p}{p^2}$
Uniform	$U(a,b)$	$\frac{a+b}{2}$	$\frac{(b-a)^2}{12}$
Normal	$N(\mu,\sigma)$	μ	σ^2
Gamma	$Ga(a,b)$	$\frac{a}{b}$	$\frac{a}{b^2}$
Exponential	$Exp(\lambda)$	$\frac{1}{\lambda}$	$\frac{1}{\lambda^2}$
Beta	$\beta(a,b)$	$\frac{a}{a+b}$	$\frac{ab}{(a+b)^2(a+b+1)}$
Student	$T(n)$	0 for $n>1$ undefined otherwise	$\frac{n}{n-2}$ for $n>2$ undefined otherwise
Chi squared	$\chi^2(n)$	n	$2n$
Fisher	$F(m,n)$	$\frac{n}{n-2}$ for $n>2$ undefined otherwise	$\frac{2n^2(m+n-2)}{m(n-2)^2(n-4)}$ for $n>4$ undefined otherwise