Distribution	Notation	Mean E(X)	Variance V(X)
discrete uniform	U(m)	$\dfrac{m+1}{2}$	$\dfrac{m^2-1}{2}$
binomial	B(n,p)	$n \times p$	$n \times p \times q$
hypergeometric	H(N, n_1 ,n)	$\dfrac{n \times n_1}{N}$	$\dfrac{n \times n_1 (N-n_1)(N-n)}{N^2(N-1)}$
Poisson	P(λ)	λ	λ
Pascal	NB(n,p)	$\dfrac{n \times q}{p}$	$\dfrac{n \times q}{p^2}$
geometric	G(p)	$\dfrac{2}{p}$	$\dfrac{q}{p^2}$
uniform	U(a, b)	$\dfrac{a \times b}{2}$	$\dfrac{(b-a)^2}{12}$
normal	N(μ, σ)	μ	σ^2
gamma	Ga(a,b)	$a \times b$	$a \times b^2$
exponential	Exp(λ)		
beta	β(a,b)	$\dfrac{a}{a+b}$	$\dfrac{a \times b}{(a+b+1)(a+b)^2}$
Student	T(n)	V(X) > 0, 0	$\dfrac{n}{n-2}$
chi squared	χ 2 (n)	n	$2* n$
Fisher	F(m,n)		