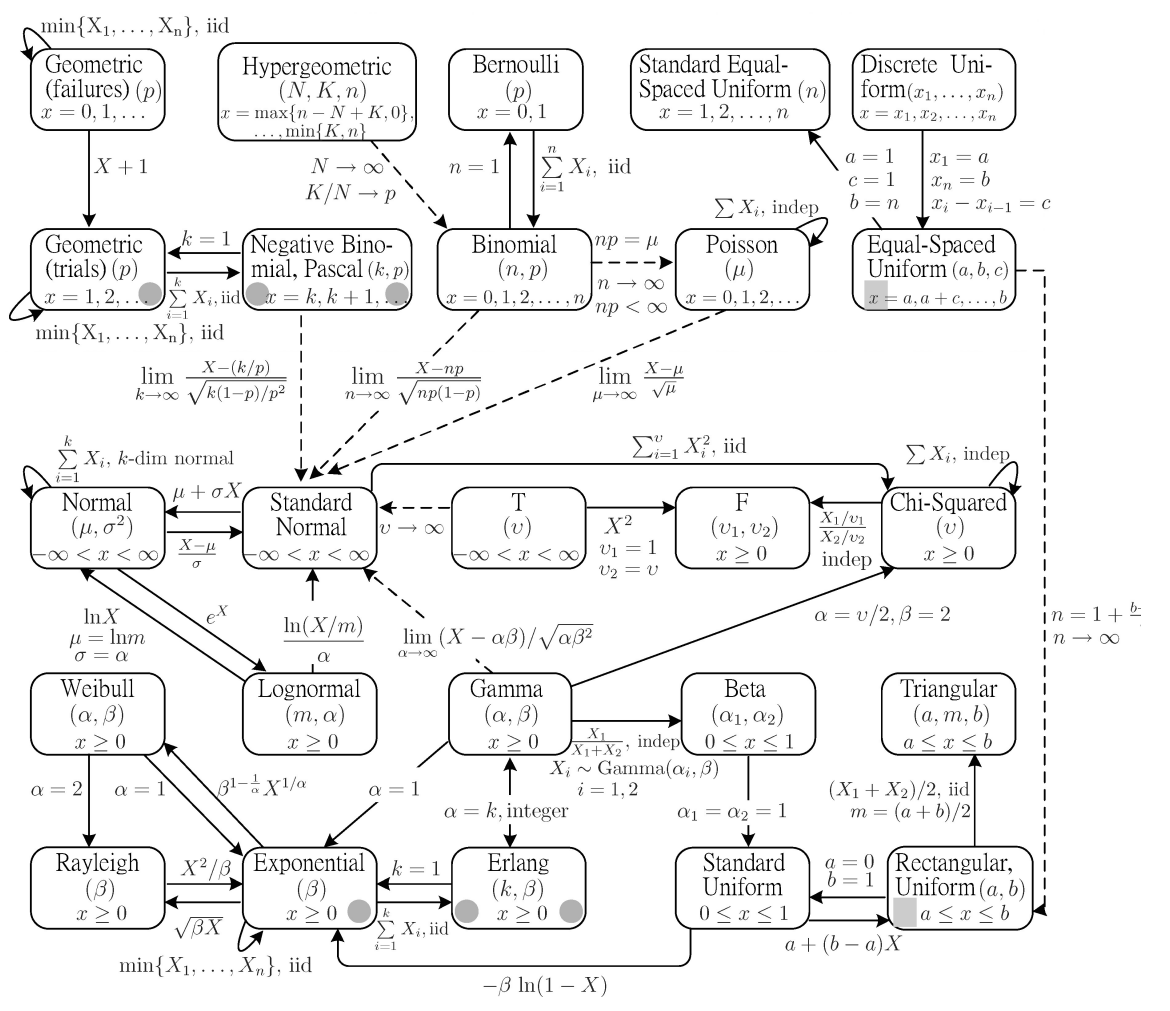

$\min\{X_1,\ldots,X_n\}$, iid
Geometric (failures) (p)
$x = 0, 1, \ldots$
Hypergeometric (N, K, n)
$x = \max\{n-N+K, 0\}, \ldots, \min\{K, n\}$
Bernoulli (p)
$x = 0, 1$
Standard Equal-Spaced Uniform (n)
$x = 1, 2, \ldots, n$
Discrete Uniform $(x_1, \ldots, x_n)$
$x = x_1, x_2, \ldots, x_n$
$X + 1$
$N \to \infty$
$K/N \to p$
$n = 1$
$\sum_{i=1}^{n} X_i$, iid
$a = 1$
$c = 1$
$b = n$
$x_1 = a$
$x_n = b$
$x_i - x_{i-1} = c$
$\sum X_i$, indep
Geometric (trials) (p)
$x = 1, 2, \ldots$
$k = 1$
$\sum_{i=1}^{k} X_i$, iid
Negative Binomial, Pascal (k, p)
$x = k, k+1, \ldots$
Binomial (n, p)
$x = 0, 1, 2, \ldots, n$
$np = \mu$
$n \to \infty$
$np < \infty$
Poisson (μ)
$x = 0, 1, 2, \ldots$
Equal-Spaced Uniform (a, b, c)
$x = a, a+c, \ldots, b$
$\min\{X_1,\ldots,X_n\}$, iid
$\lim_{k\to\infty} \frac{X-(k/p)}{\sqrt{k(1-p)/p^2}}$
$\lim_{n\to\infty} \frac{X-np}{\sqrt{np(1-p)}}$
$\lim_{\mu\to\infty} \frac{X-\mu}{\sqrt{\mu}}$
$\sum_{i=1}^{k} X_i$, k-dim normal
$\sum_{i=1}^{v} X_i^2$, iid
$\sum X_i$, indep
Normal (μ, σ^2)
$-\infty < x < \infty$
$\mu + \sigma X$
$\frac{X-\mu}{\sigma}$
Standard Normal
$-\infty < x < \infty$
$\upsilon \to \infty$
T (υ)
$-\infty < x < \infty$
X^2
$\upsilon_1 = 1$
$\upsilon_2 = \upsilon$
F (υ_1, υ_2)
$x \geq 0$
$\frac{X_1/\upsilon_1}{X_2/\upsilon_2}$
indep
Chi-Squared (υ)
$x \geq 0$
$\ln X$
$\mu = \ln m$
$\sigma = \alpha$
e^X
$\frac{\ln(X/m)}{\alpha}$
$\lim_{\alpha\to\infty} (X - \alpha\beta)/\sqrt{\alpha\beta^2}$
$\alpha = \upsilon/2, \beta = 2$
$n = 1 + \frac{b-}{}$
$n \to \infty$
Weibull (α, β)
$x \geq 0$
Lognormal (m, α)
$x \geq 0$
Gamma (α, β)
$x \geq 0$
$\frac{X_1}{X_1+X_2}$, indep
$X_i \sim \text{Gamma}(\alpha_i, \beta)$
$i = 1, 2$
Beta (α_1, α_2)
$0 \leq x \leq 1$
Triangular (a, m, b)
$a \leq x \leq b$
$\alpha = 2$
$\alpha = 1$
$\beta^{1-\frac{1}{\alpha}} X^{1/\alpha}$
$\alpha = 1$
$\alpha = k$, integer
$\alpha_1 = \alpha_2 = 1$
$(X_1 + X_2)/2$, iid
$m = (a+b)/2$
Rayleigh (β)
$x \geq 0$
X^2/β
$\sqrt{\beta X}$
Exponential (β)
$x \geq 0$
$k = 1$
Erlang (k, β)
$x \geq 0$
$\sum_{i=1}^{k} X_i$, iid
Standard Uniform
$0 \leq x \leq 1$
$a = 0$
$b = 1$
Rectangular, Uniform (a, b)
$a \leq x \leq b$
$\min\{X_1,\ldots,X_n\}$, iid
$a + (b-a)X$
$-\beta \ln(1-X)$