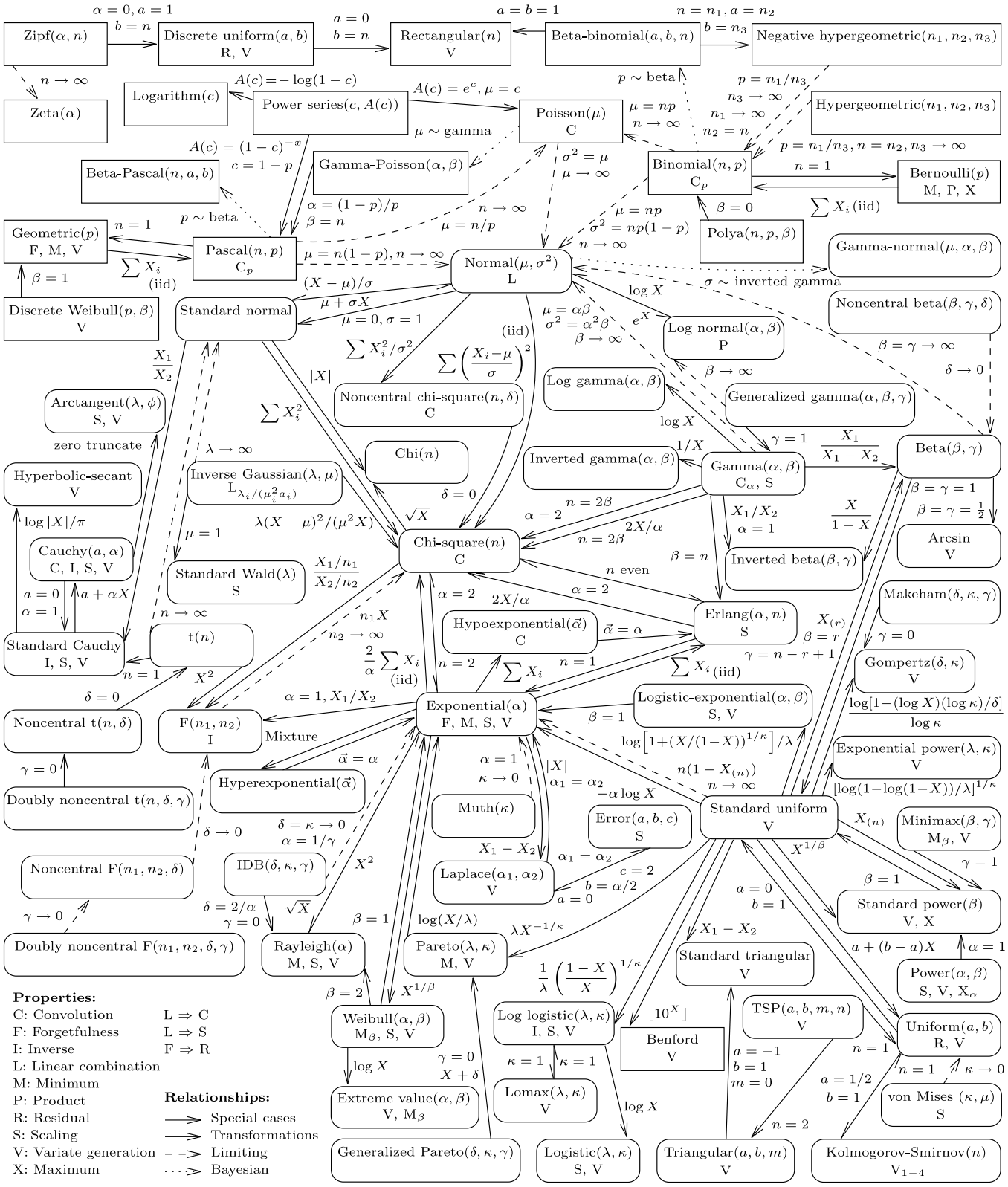
Zipf(α, n)
Discrete uniform(a, b)
R, V
Rectangular(n)
V
Beta-binomial(a, b, n)
Negative hypergeometric(n1, n2, n3)
Zeta(α)
Logarithm(c)
Power series(c, A(c))
Poisson(μ)
C
Hypergeometric(n1, n2, n3)
Beta-Pascal(n, a, b)
Gamma-Poisson(α, β)
Binomial(n, p)
Cp
Bernoulli(p)
M, P, X
Geometric(p)
F, M, V
Pascal(n, p)
Cp
Polya(n, p, β)
Gamma-normal(μ, α, β)
Normal(μ, σ²)
L
Discrete Weibull(p, β)
V
Standard normal
Noncentral beta(β, γ, δ)
Log normal(α, β)
P
Arctangent(λ, φ)
S, V
Noncentral chi-square(n, δ)
C
Log gamma(α, β)
Generalized gamma(α, β, γ)
Chi(n)
Inverted gamma(α, β)
Gamma(α, β)
Cα, S
Beta(β, γ)
Hyperbolic-secant
V
Inverse Gaussian(λ, μ)
Lλi/(μi²ai)
Chi-square(n)
C
Inverted beta(β, γ)
Arcsin
V
Cauchy(a, α)
C, I, S, V
Standard Wald(λ)
S
Makeham(δ, κ, γ)
Erlang(α, n)
S
Hypoexponential(α⃗)
C
Gompertz(δ, κ)
V
Standard Cauchy
I, S, V
t(n)
Exponential(α)
F, M, S, V
Logistic-exponential(α, β)
S, V
Noncentral t(n, δ)
F(n1, n2)
I
Mixture
Exponential power(λ, κ)
V
Hyperexponential(α⃗)
Muth(κ)
Error(a, b, c)
S
Standard uniform
V
Minimax(β, γ)
Mβ, V
Doubly noncentral t(n, δ, γ)
Noncentral F(n1, n2, δ)
IDB(δ, κ, γ)
Laplace(α1, α2)
V
Standard power(β)
V, X
Doubly noncentral F(n1, n2, δ, γ)
Rayleigh(α)
M, S, V
Pareto(λ, κ)
M, V
Standard triangular
V
Power(α, β)
S, V, Xα
Weibull(α, β)
Mβ, S, V
Log logistic(λ, κ)
I, S, V
Benford
V
TSP(a, b, m, n)
V
Uniform(a, b)
R, V
Extreme value(α, β)
V, Mβ
Lomax(λ, κ)
V
von Mises (κ, μ)
S
Generalized Pareto(δ, κ, γ)
Logistic(λ, κ)
S, V
Triangular(a, b, m)
V
Kolmogorov-Smirnov(n)
V1−4
Properties:
C: Convolution
F: Forgetfulness
I: Inverse
L: Linear combination
M: Minimum
P: Product
R: Residual
S: Scaling
V: Variate generation
X: Maximum
L ⇒ C
L ⇒ S
F ⇒ R
Relationships:
Special cases
Transformations
Limiting
Bayesian