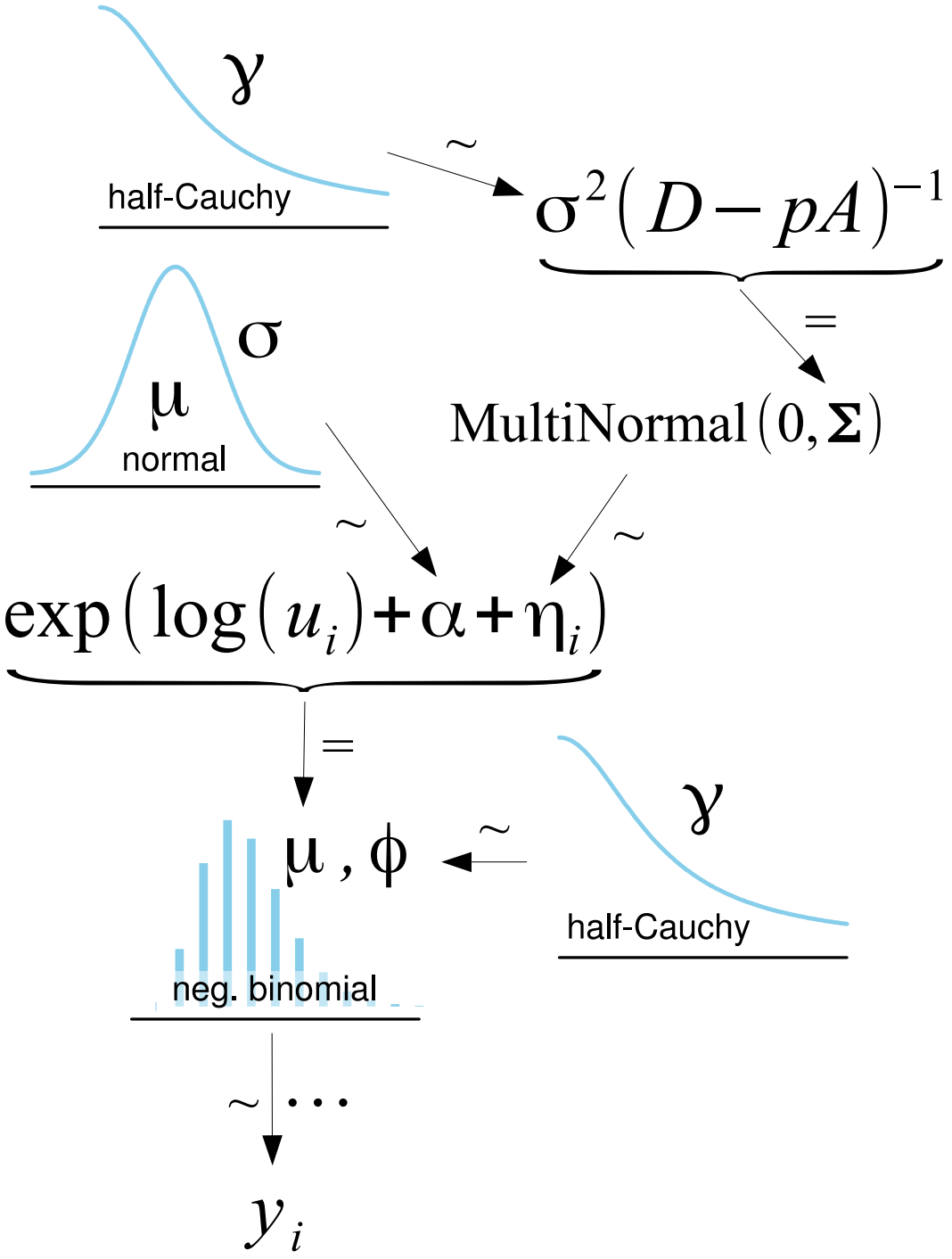

$$y_i \sim \text{NegBinom}(\mu, \phi)$$
$$\phi \sim \text{half-Cauchy}(2.5)$$
$$\alpha \sim \text{Normal}(0, 10)$$
$$\eta_i \quad \text{MultiNormal}(\vec{0}, \mathbf{\Sigma})$$
$$\mathbf{\Sigma} = \sigma^2 (D - pA)^{-1}$$
$$\sigma \sim \text{half-Cauchy}(2.5)$$