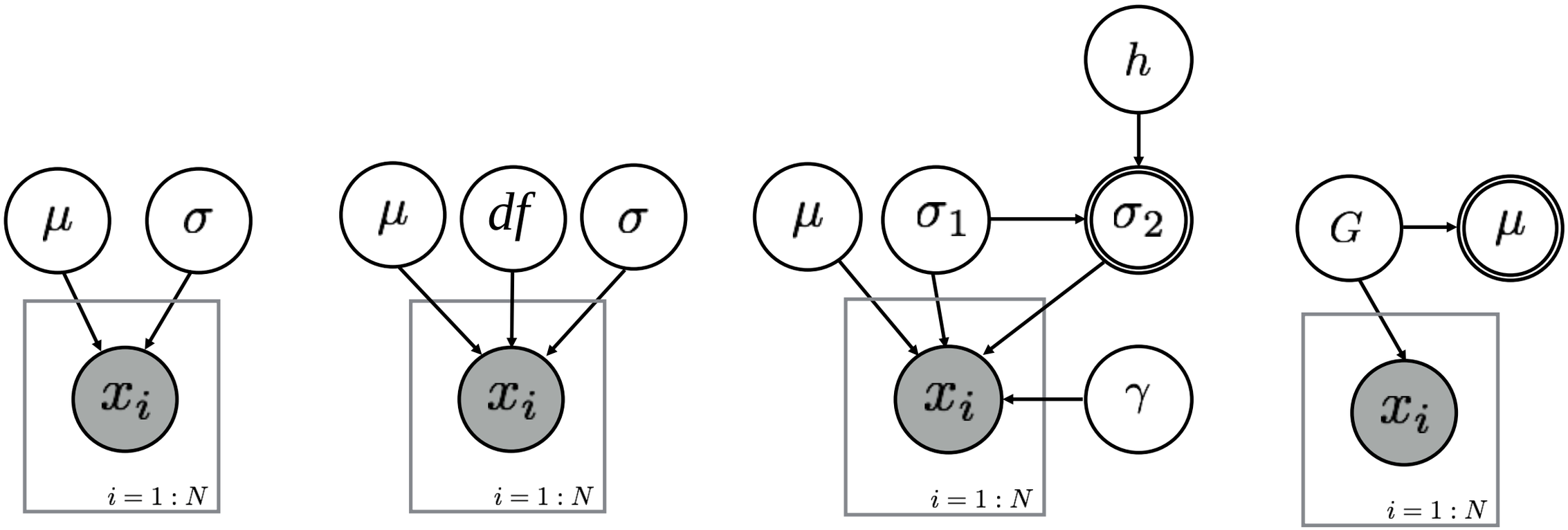

(a) Normal

$\mu \sim N\,(0,100)$

$1/\sigma^2 \sim$ *Gamma* (.0001, .0001)

$x_i \sim N\,(\mu, \sigma)$

(b) t-distribution

$\mu \sim N\,(0,100)$

$1/\sigma^2 \sim$ *Gamma* (.0001, .0001)

$df \sim exp(1) + .001$

$x_i \sim t\,(\mu, \sigma, df)$

(c) Contaminated normal

$\mu \sim N\,(0,100)$

$1/\sigma_1^2 \sim$ *Gamma* (.0001, .0001)

$h \sim exp(.1) + .01$

$\gamma \sim dbeta(1,9)$

$z_i \sim bernoulli(\gamma)$

$1/\sigma_2^2 \sim z_i * h * 1/\sigma_1^2$

$x \sim t\,(\mu, \sigma, df)$

(d) Bayesian bootstrap

$\pi \sim Dirichlet(0_1,\ldots,0_k)$

$k_i \sim Categorical(\pi)$

$x_i = d_{ki}$

$\mu \sim mean(x)$