

$$y_c \sim \mathcal{N}((a_c + u)v, \sigma^2)$$
 (1)

$$c \sim \mathcal{N}(uv, \sigma^2)$$
 (2)

$$y_c \sim \mathcal{N}((a_c + u)v, \sigma^2)$$

$$x \sim \mathcal{N}(uv, \sigma^2)$$

$$p(r_c = 1) = \frac{1}{1 + \exp|x_c - y|}$$
(1)
(2)