

OUR MODEL FOR THE HEIGHT DATA

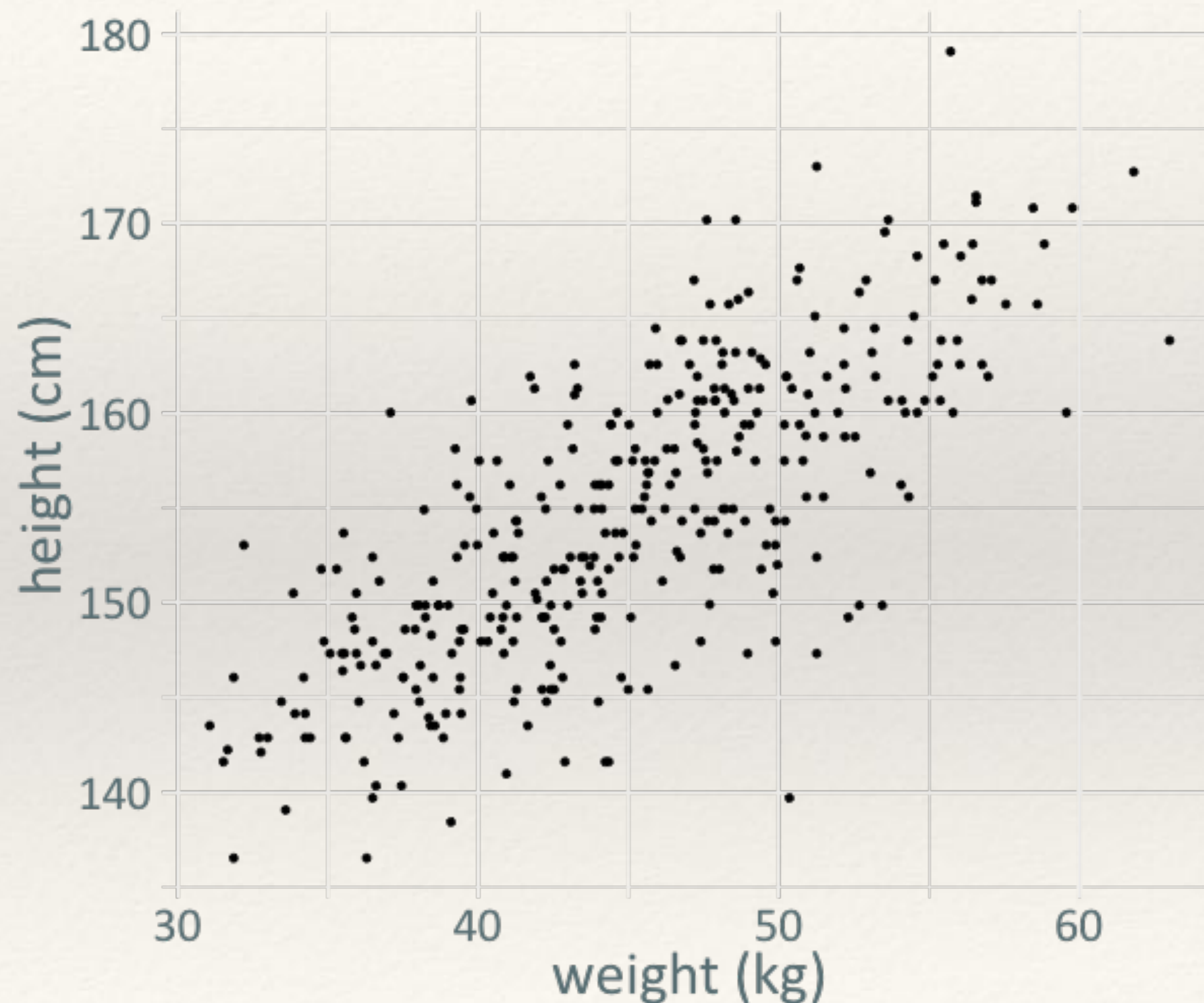
$$y_i \sim \text{Normal}(\mu_i, \sigma)$$

$$\mu_i = \alpha + \beta x_i$$

$$\alpha \sim \text{Normal}(0, 20)$$

$$\beta \sim \text{lognormal}(0, 1)$$

$$\sigma \sim \text{Exponential}(1)$$



POSTERIOR SAMPLES

$$y_i \sim \text{Normal}(\mu_i, \sigma)$$

$$\mu_i = \alpha + \beta x_i$$

$$\alpha \sim \text{Normal}(0, 20)$$

$$\beta \sim \text{lognormal}(0, 1)$$

$$\sigma \sim \text{Exponential}(1)$$