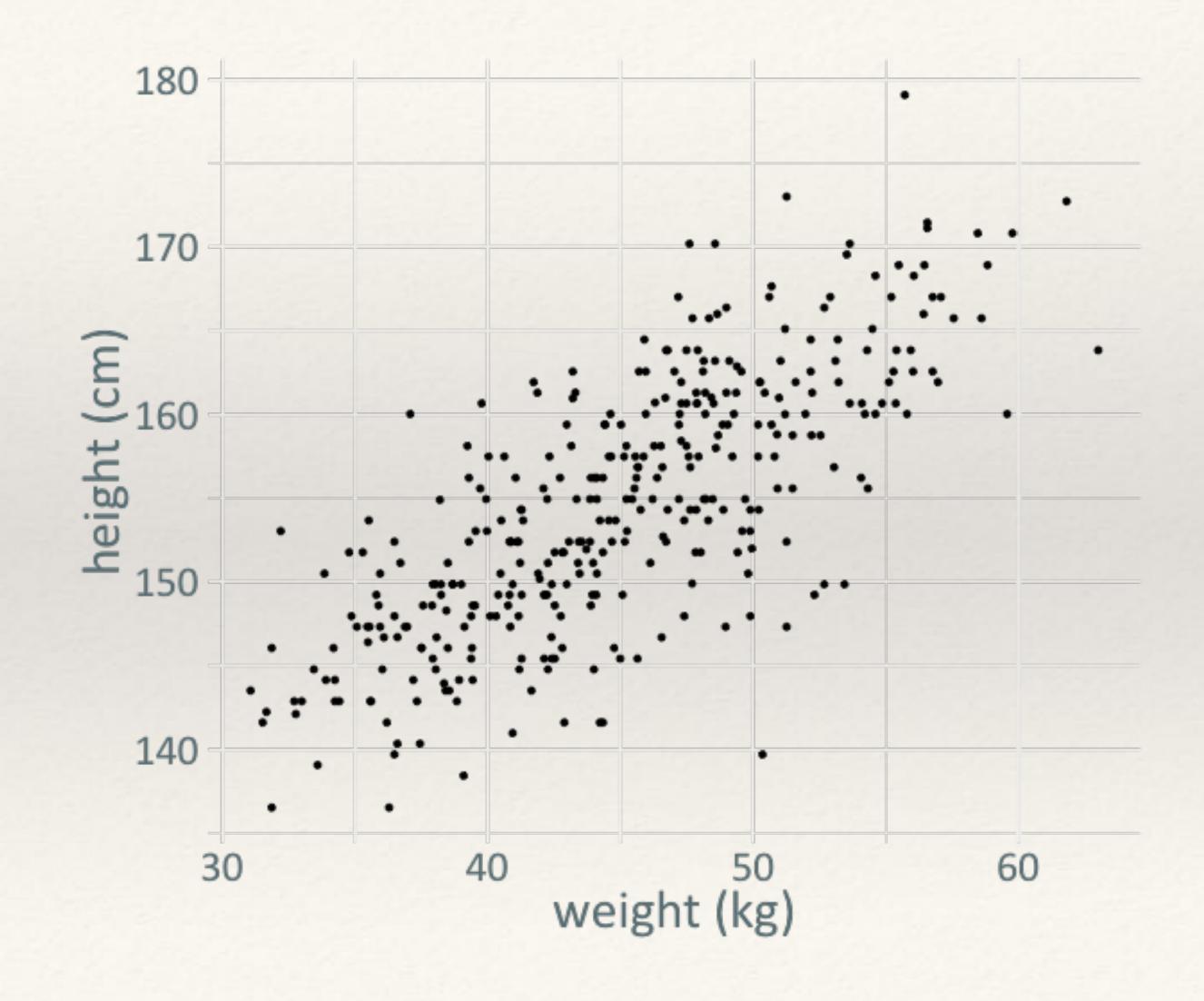
OUR MODEL FOR THE HEIGHT DATA

 $y_i \sim Normal(\mu_i, \sigma)$ $\mu_i = \alpha + \beta x_i$ $\alpha \sim Normal(0, 20)$

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

 $\beta \sim lognormal(0, 1)$

 $\sigma \sim Exponential(1)$



POSTERIOR SAMPLES

 $y_i \sim Normal(\mu_i, \sigma)$ $\mu_i = \alpha + \beta x_i$ $\alpha \sim Normal(0, 20)$

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

 $\beta \sim lognormal(0, 1)$

 $\sigma \sim Exponential(1)$