

Statistical Rethinking Week 2 Notes

Kanishka Misra

5/7/2019

Linear Model

$$y_i \sim \text{Normal}(\mu, \sigma) \tag{1}$$

$$\mu = \beta x_i \tag{2}$$

$$\beta \sim \text{Normal}(0, 10) \tag{3}$$

$$\sigma \sim \text{Exponential}(1) \tag{4}$$