

$$\beta_1 \sim \text{unif}(0, 1.5); \beta_2 \sim \text{unif}(0, 1.5)$$
$$X_1 \sim B(1, .5); X_2 \sim B(1, .5)$$
$$p(y = 1) = e^{\beta_1 X_1 + \beta_2 X_2} / (1 + e^{\beta_1 X_1 + \beta_2 X_2})$$

