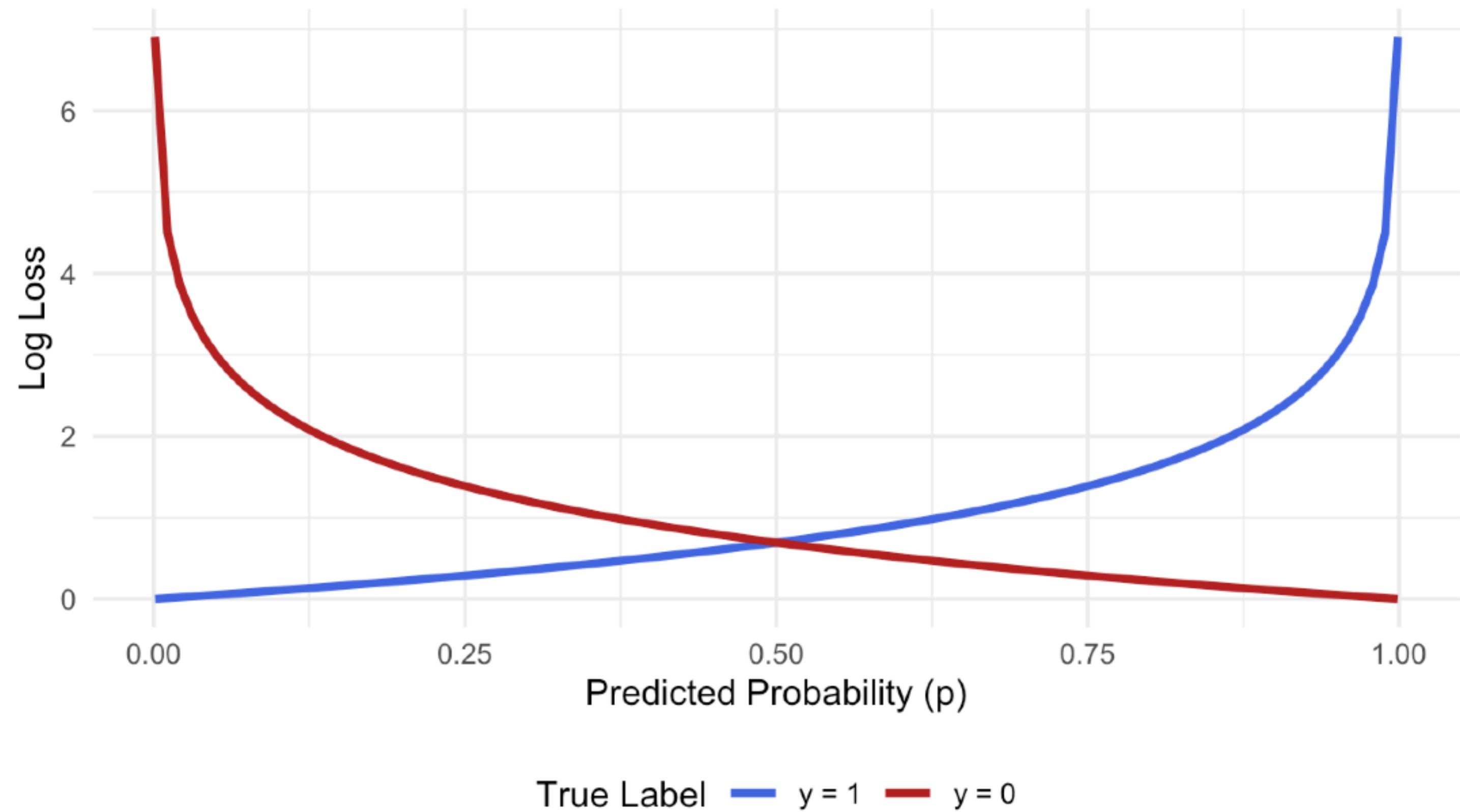


Estimating Coefficients: MLE

$$l(\beta_0, \beta_1) = -\frac{1}{n} \sum_{i=1}^n y_i \log(p(x_i)) + (1 - y_i) \log(1 - p(x_i))$$

Binary Cross-Entropy (Log Loss)

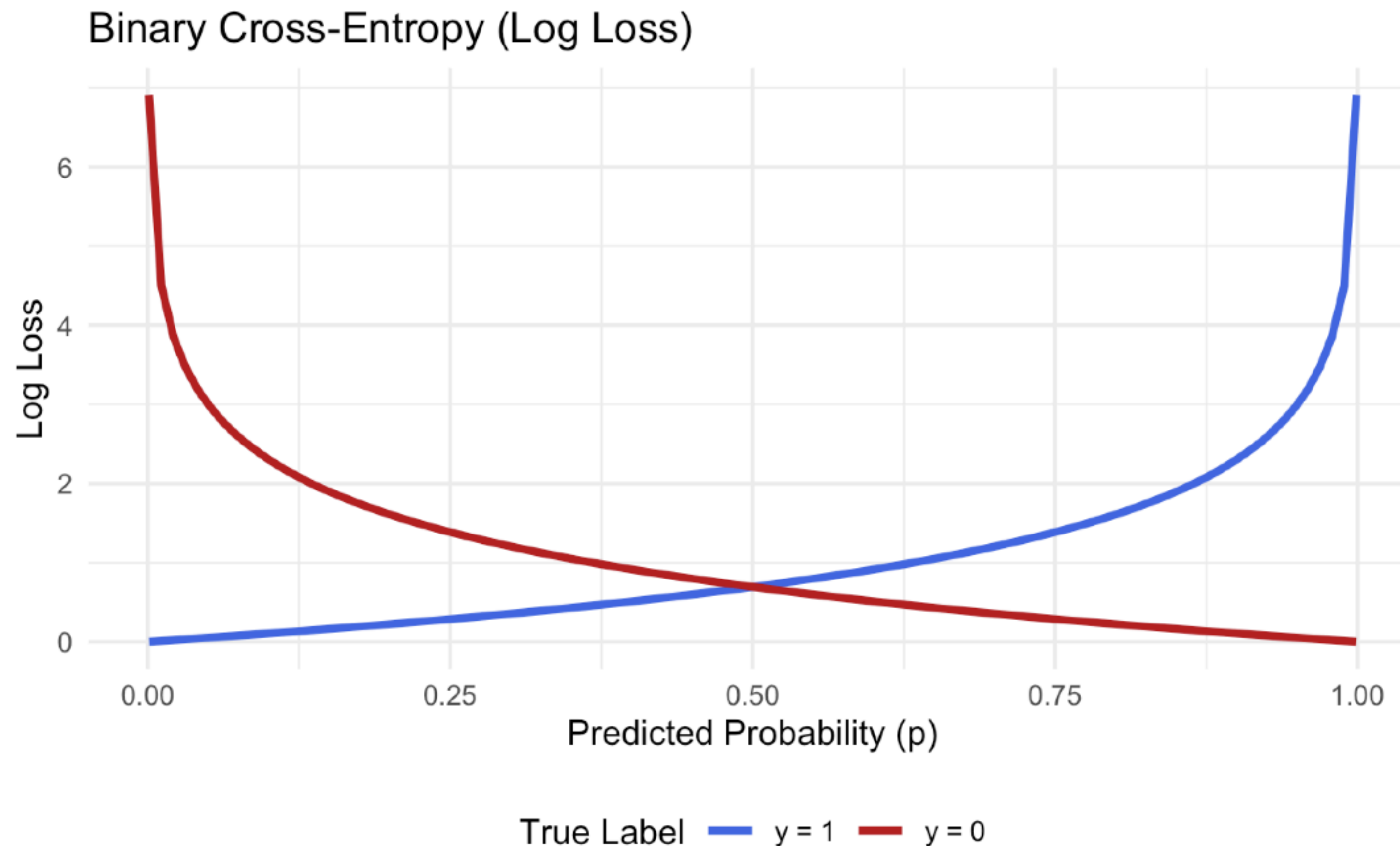


Loss function

Estimating Coefficients: MLE

$$l(\beta_0, \beta_1) = -\frac{1}{n} \sum_{i=1}^n y_i \log(p(x_i)) + (1 - y_i) \log(1 - p(x_i))$$

Loss function



Assessing Model Performance