

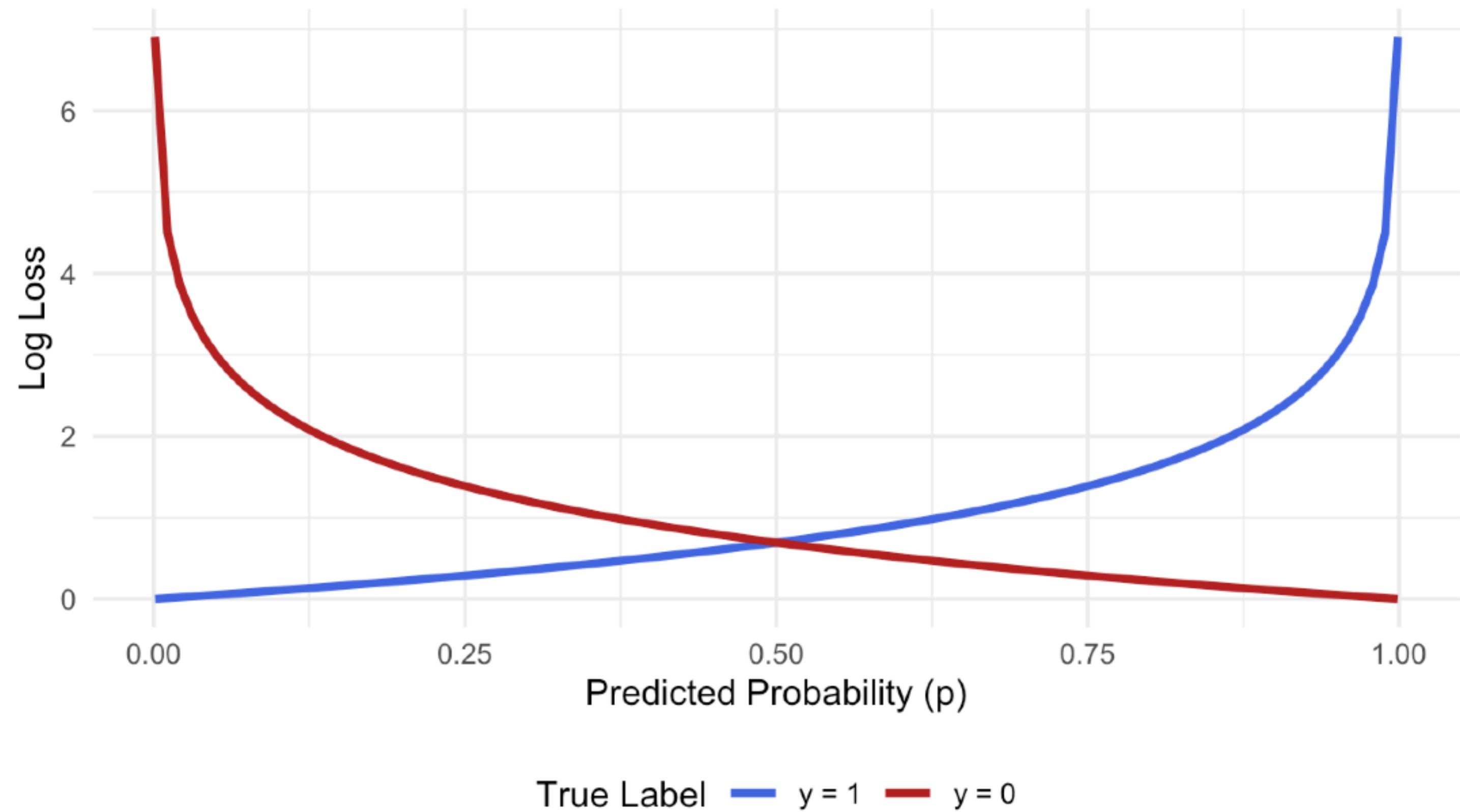


**Estimating Coefficients: MLE**

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



# Binary Cross-Entropy (Log Loss)

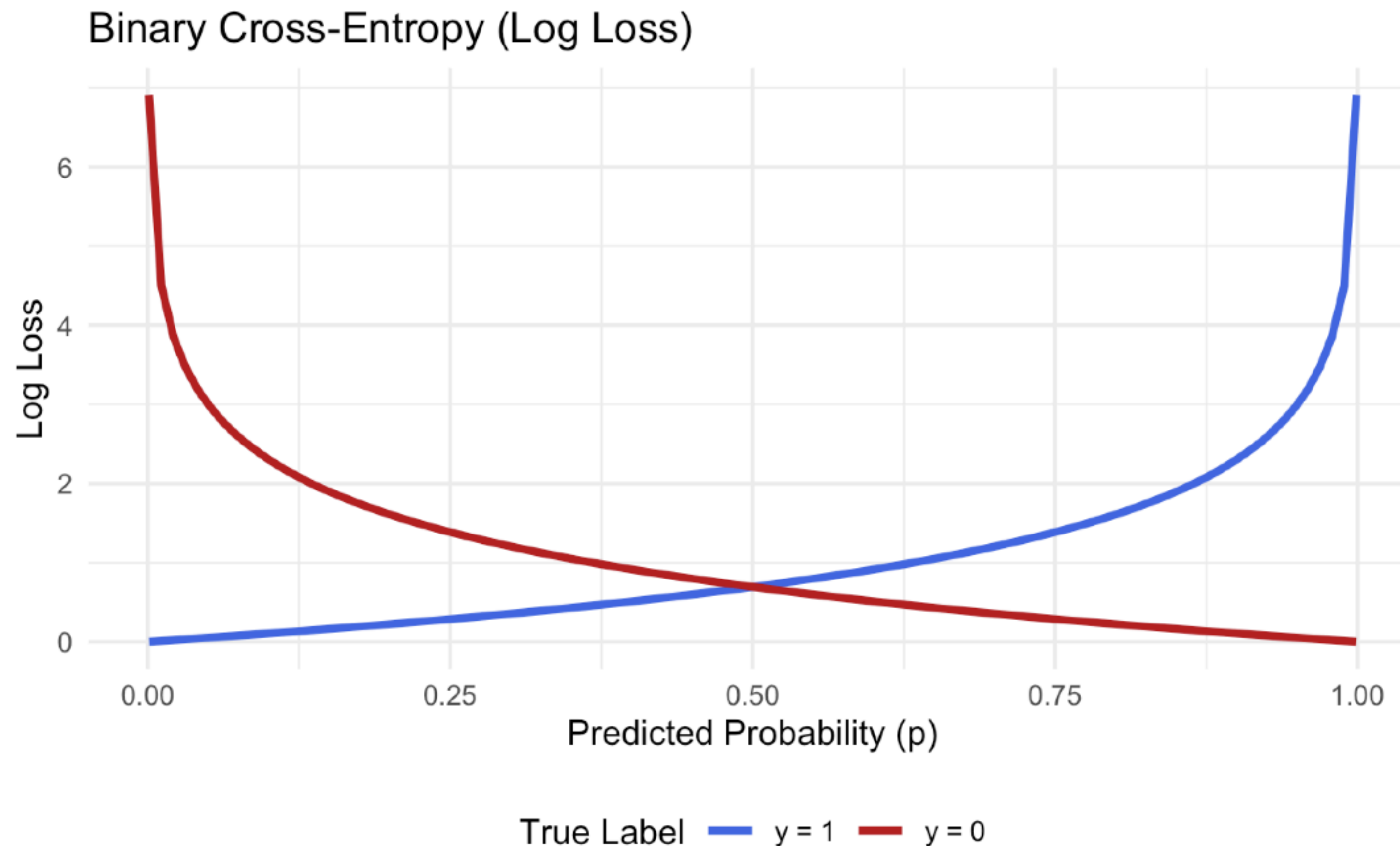


Loss function

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Loss function



# Assessing Model Performance