Binary Cross-Entropy Loss

- y=1: -log(p)
- y=0: -log(1-p)

$$\mathcal{L} = -[y\log(p) + (1-y)\log(1-p)]$$

High loss when p close to 0

High loss when p close to 1

Low loss when p close to 0

Low loss when p close to 1

Loss

Predicted Probability (p)