

Regularizing your neural network

Regularization

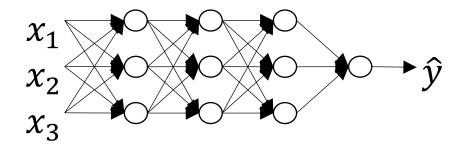
Logistic regression

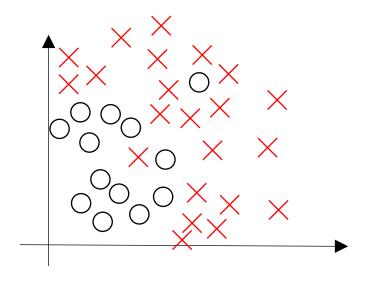
$$\min_{w,b} J(w,b)$$

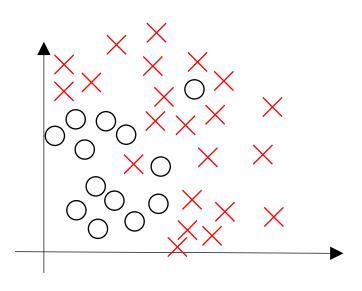
$$\lim_{w,b} J(w,b) = \lim_{n \to \infty} \int_{\mathbb{R}^n} \left(\frac{\Lambda(u)}{y}, \frac{u}{y} \right) + \frac{1}{2m} \frac{1}{m} \frac{1}{m}$$

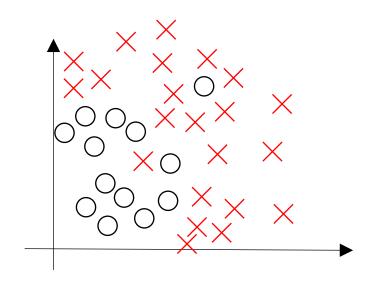
Neural network

How does regularization prevent overfitting?









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