

# Regularizing your neural network

## Regularization

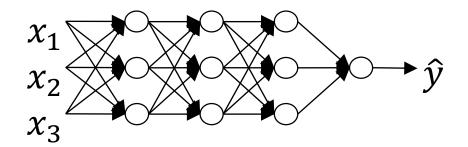
#### Logistic regression

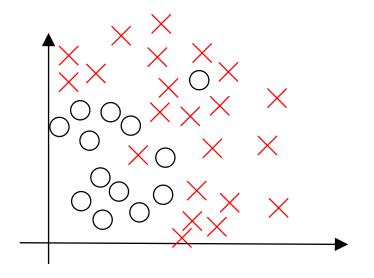
$$\min_{w,b} J(w,b)$$

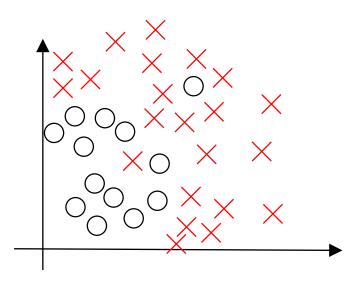
$$\lim_{w,b} J(w,b) = \lim_{n \to \infty} \int_{\mathbb{R}^n} \int_{\mathbb{R}^n} \left( \int_{\mathbb{R}^n} \int_{$$

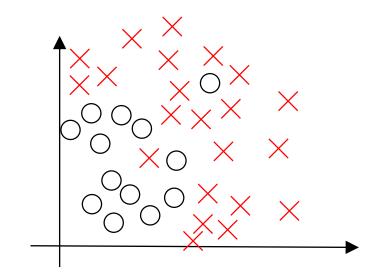
#### Neural network

### How does regularization prevent overfitting?









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