

Regularizing your neural network

Regularization

Logistic regression

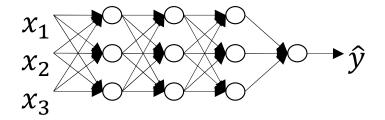
Neural network

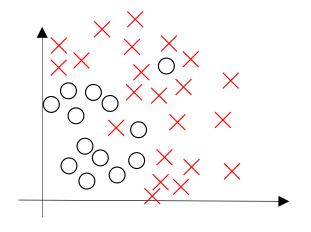
Andrew Ng

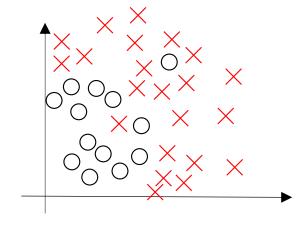
Neural network

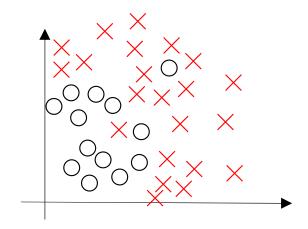
$$J(\omega^{r0}, b^{r0}, ..., \omega^{r0}, b^{r0}) = \frac{1}{m} \sum_{i=1}^{m} d(y^{i}, y^{i}) + \frac{1}{2m} \sum_{k=1}^{m} ||\omega^{r0}||^{2}$$

How does regularization prevent overfitting?









How does regularization prevent overfitting?