

# Convolutional Neural Networks

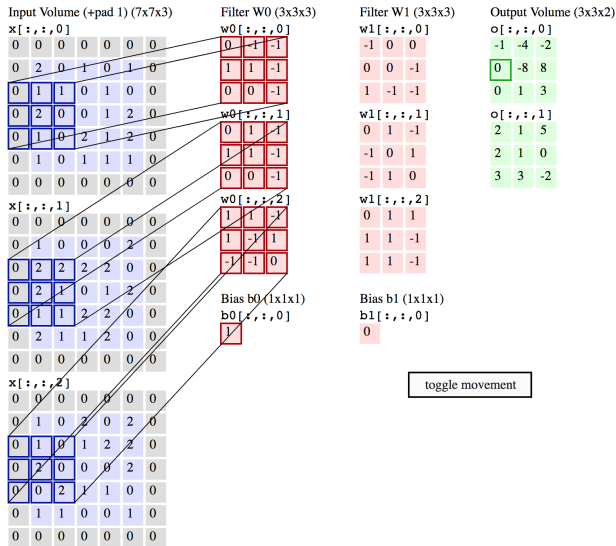
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# CNN: Overview

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- See <http://cs231n.github.io/convolutional-networks/>

# Convolution and Pooling

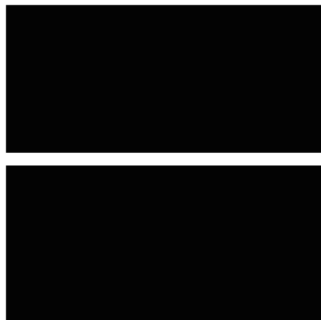


# Filters

Vertical Filter



Horizontal Filter



# Filters: Example

Actual Image



Vertical Filter



Horizontal Filter



# Pooling

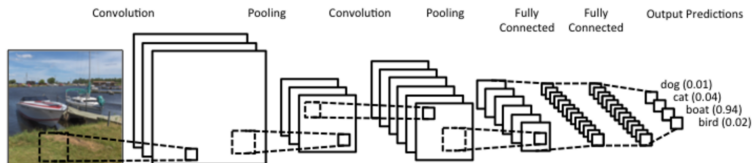
Actual Image



Max Pooling



# Convolutional Neural Network



# Convolutional Neural Network: Example





# Famous CNNs

- AlexNet
- Inception
- GoogLeNet
- ResNet

# Inception

