

Convolutional Neural Networks (CNNs) -handles image data well 4 image classification CIFAR-10 40 bject detection 4 neural style transfer - pass filters over pixels - CNNs work well when structure exists in our data La spatial, temporal, semantic

W, Wz Wz CNNs Structure 1W4 W5 W6 1) Convolutional Wy W8 W9 6# of filters # of Paray 4 Size of filters | tevel of detail 1 Sharing" needed to Las size of filters increases, # of params 1,
La padding / Stride

Pooling learn in FC 2) Pooling layers. Flatten(3) Fully / Densely Connected

convolution / filter of length

le have a Commander in Cheese mean, 1D Convolution w/filter of size 2.

