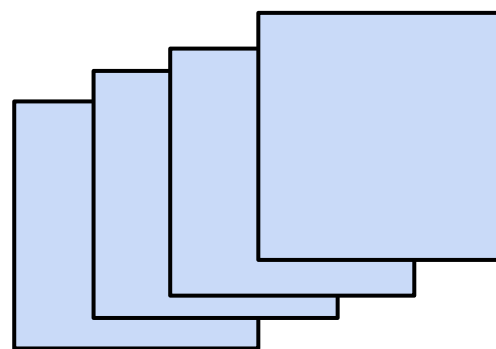




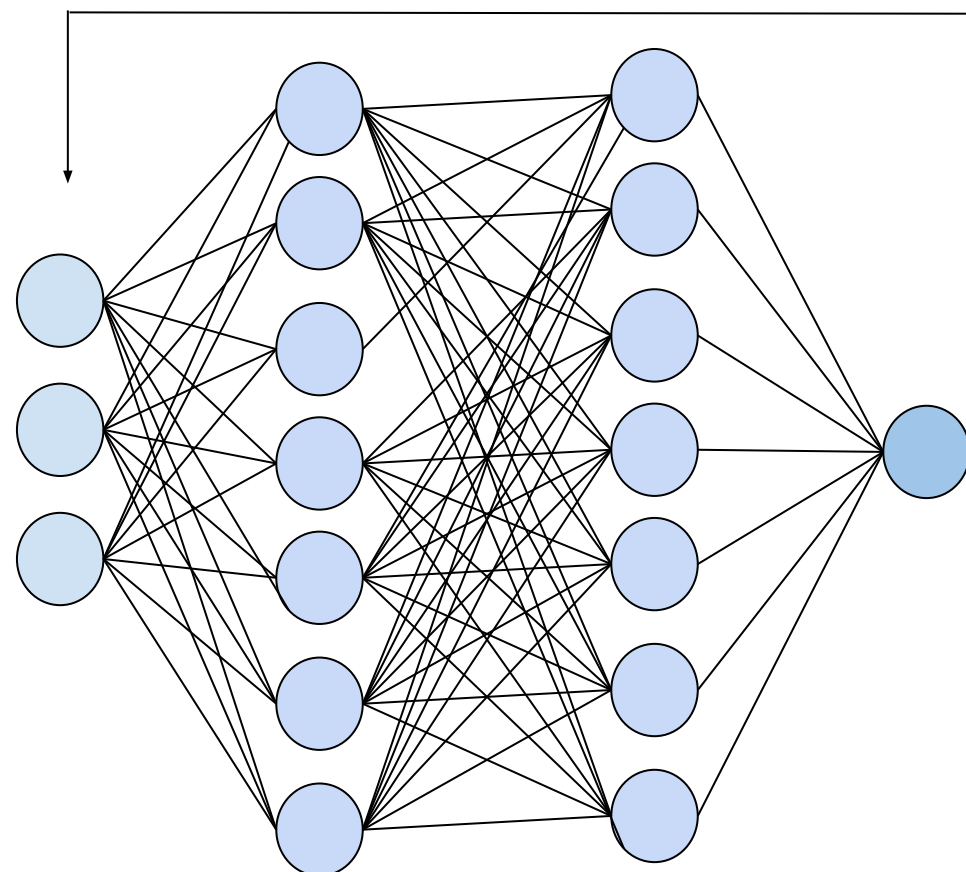
Image segmentation and filtration



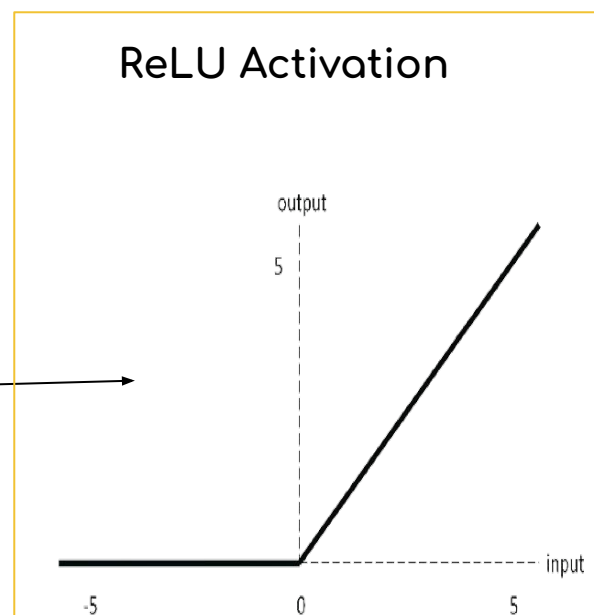
Data Augmentation and  
Tensor Transformation

[3, 500, 500, 32]

[Batch Size, Height, Width, Depth]

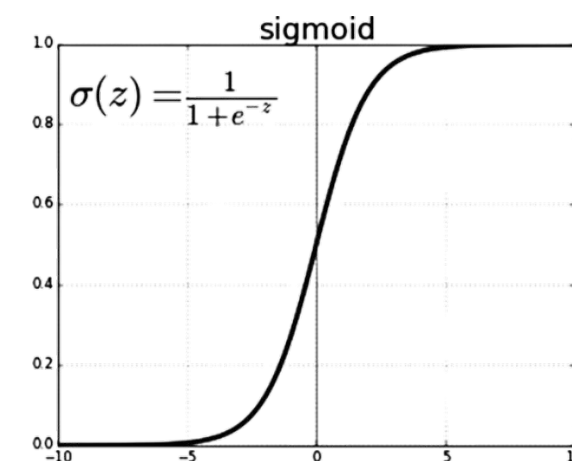


ReLU Activation



or

Sigmoid Activation

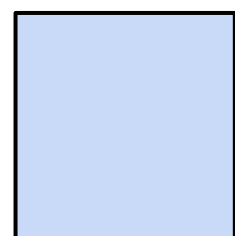


Input Layer

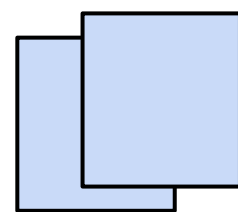
Hidden Layers

Output Layer

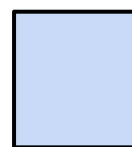
Flatten to vector & Linearize



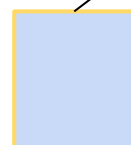
Input



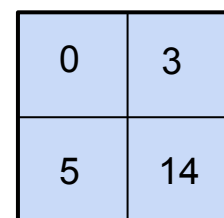
Conv 1



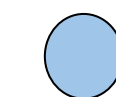
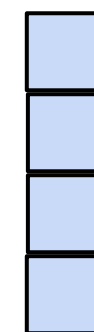
Max Pool



Conv 2



Max Pool



Output

Weights for output  
classification function

$$s(x_i) = \frac{e^{x_i}}{\sum_{j=1}^n e^{x_j}}$$

softmax