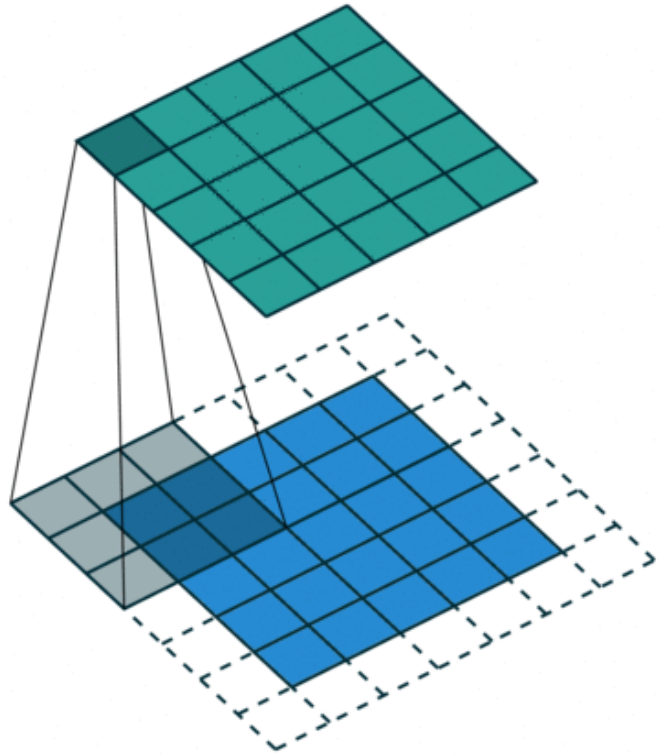
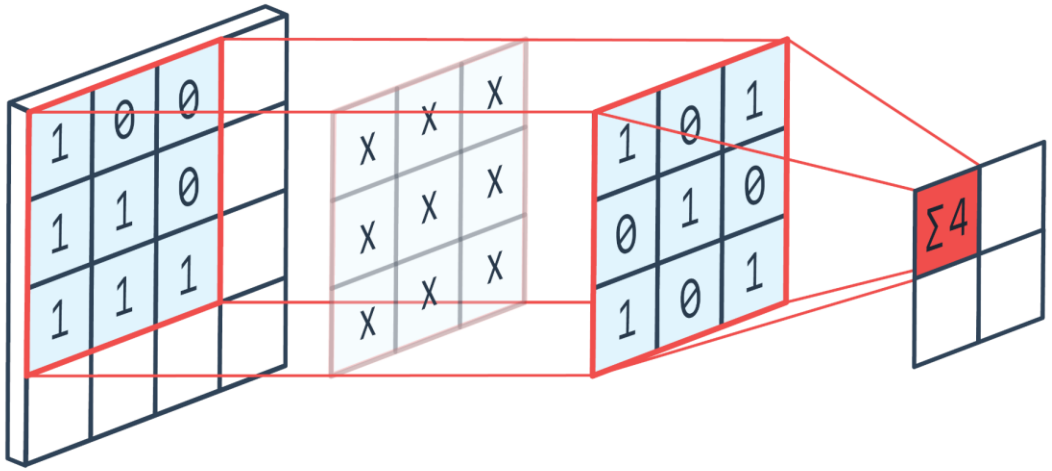
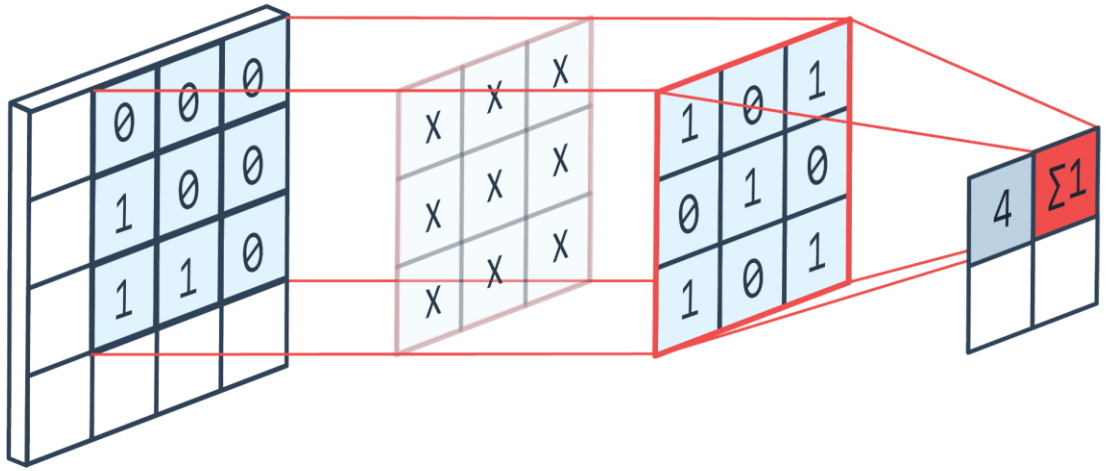
CNN

Convolutional layer – grayscale images



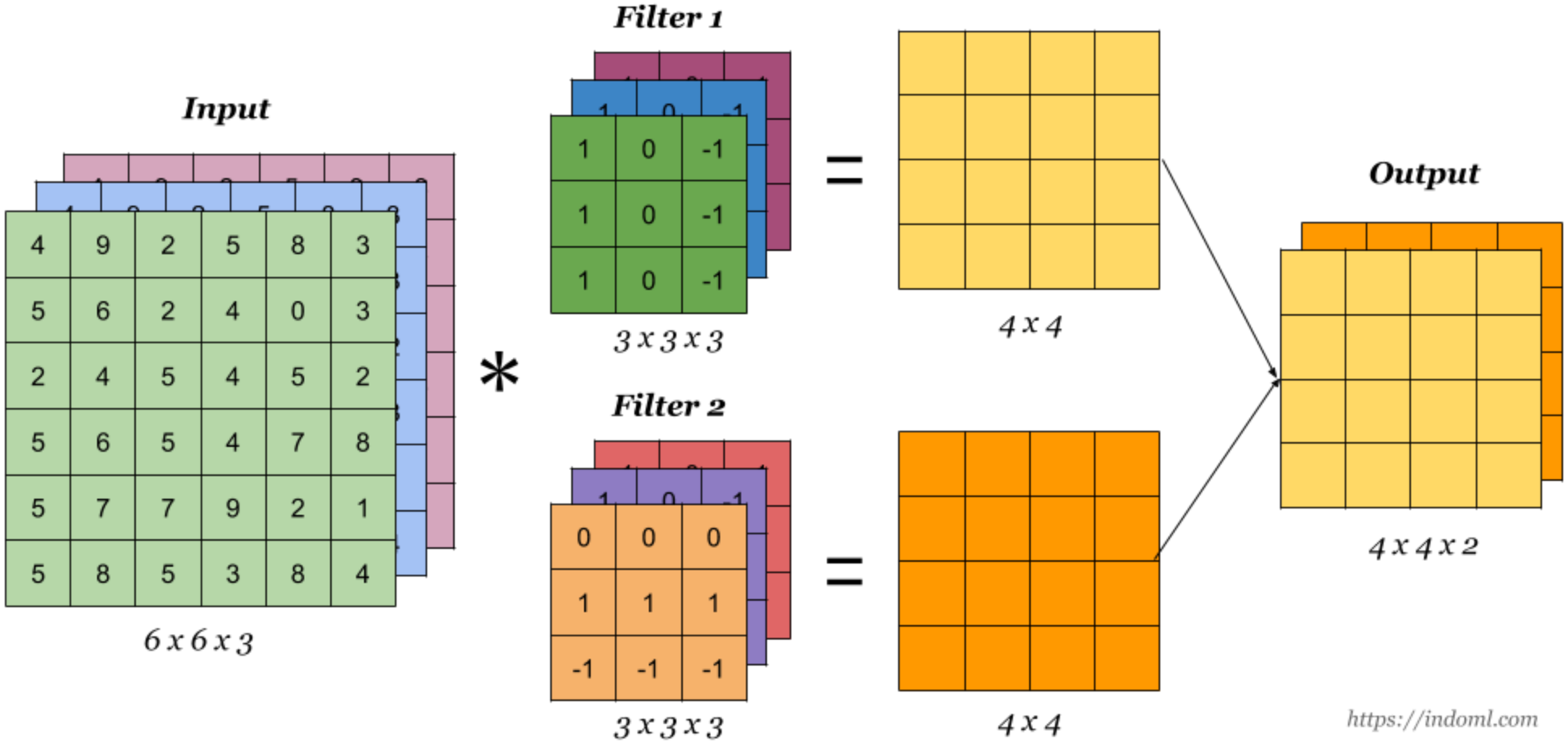
https://towardsdatascience.com/intuitively-understanding-convolutions-for-deep-learning-1f6f42faee1





https://peltarion.com/knowledge-center/documentation/modeling-view/build-an-ai-model/blocks/2d-convolution-block

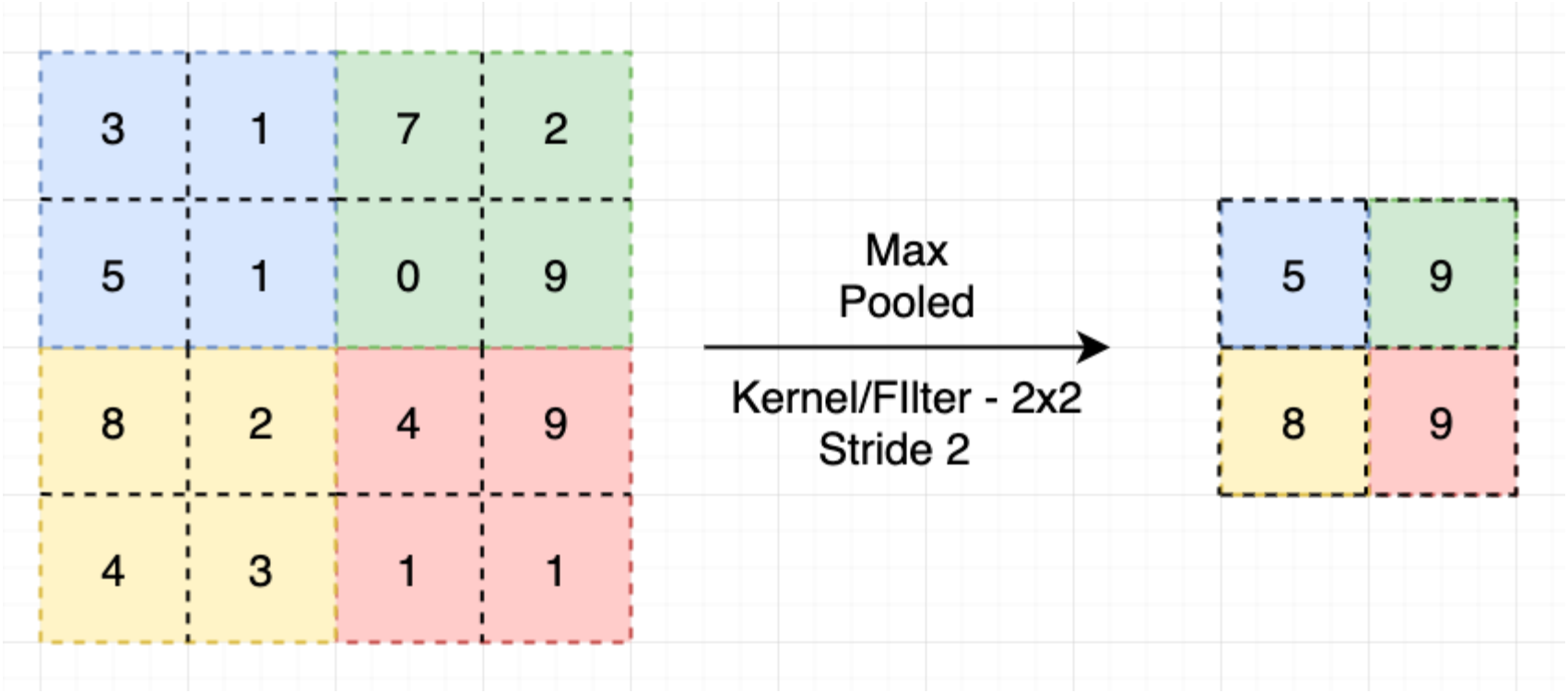
CNN for RGB



https://towardsdatascience.com/beginners-guide-to-understanding-convolutional-neural-networks-ae9ed58bb17d

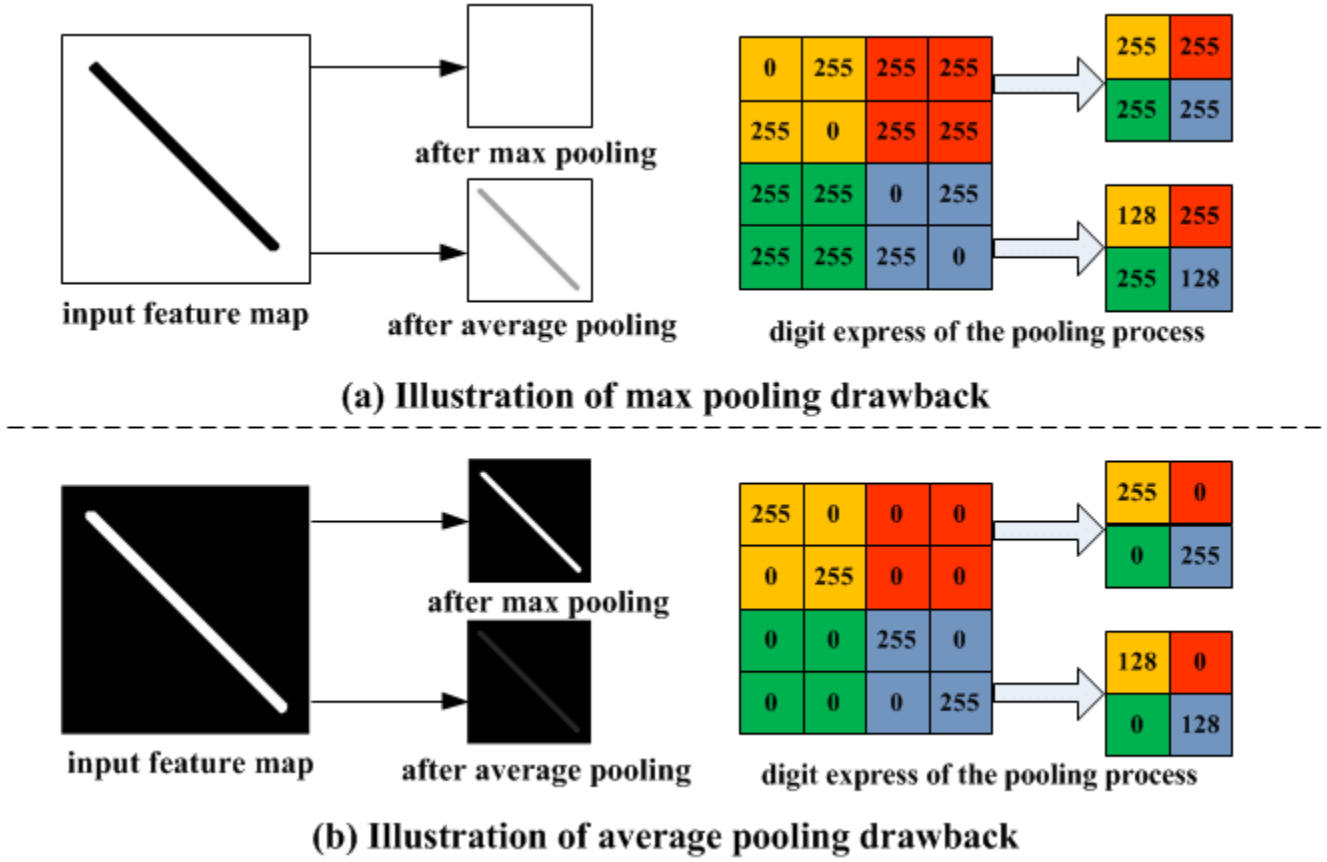
Pooling

- Max/average



https://ai.plainenglish.io/pooling-layer-beginner-to-intermediate-fa0dbdce80eb

Pooling drawback

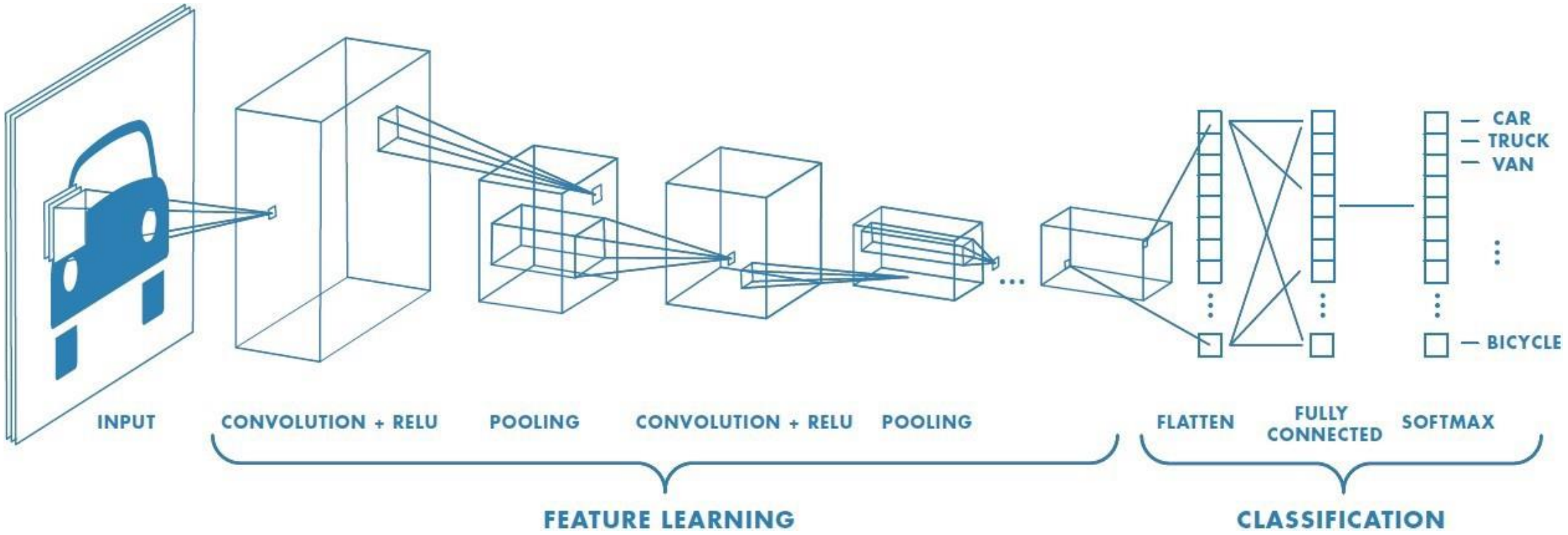


https://www.researchgate.net/figure/Toy-example-illustrating-the-drawbacks-of-max-pooling-and-average-pooling_fig2_300020038

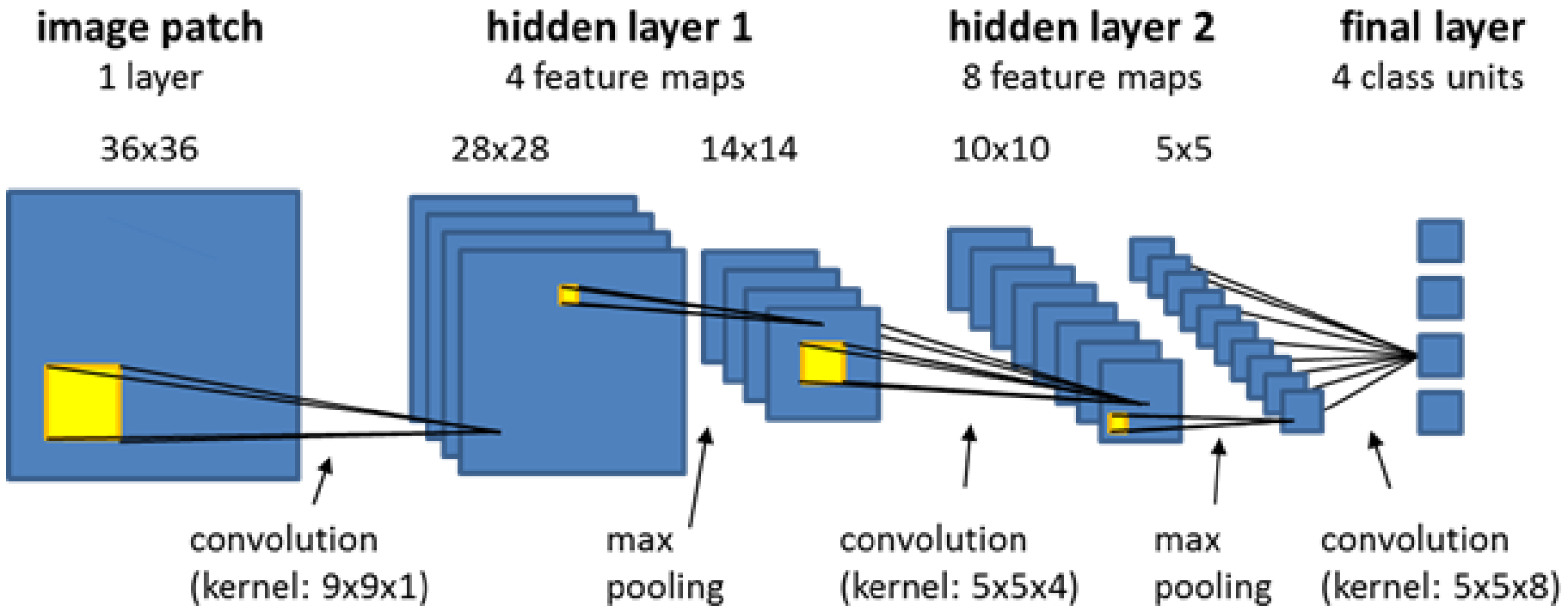
Batch normalization

- https://learnopencv.com/batch-normalization-in-deep-networks/

Convolutional neural network

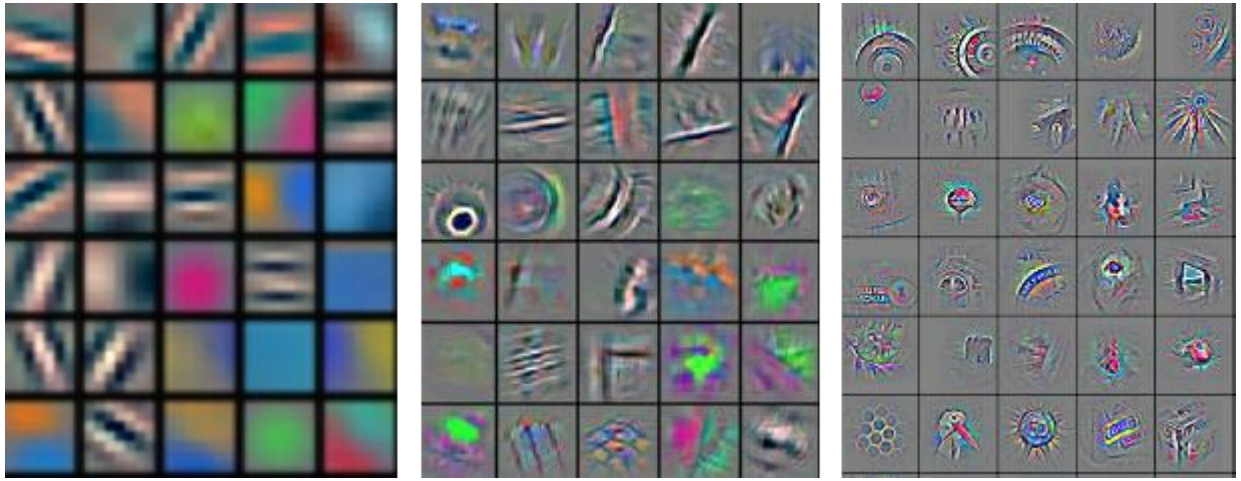


https://miro.medium.com/max/2510/1*vkQ0hXDaQv57sALXAJquxA.jpeg



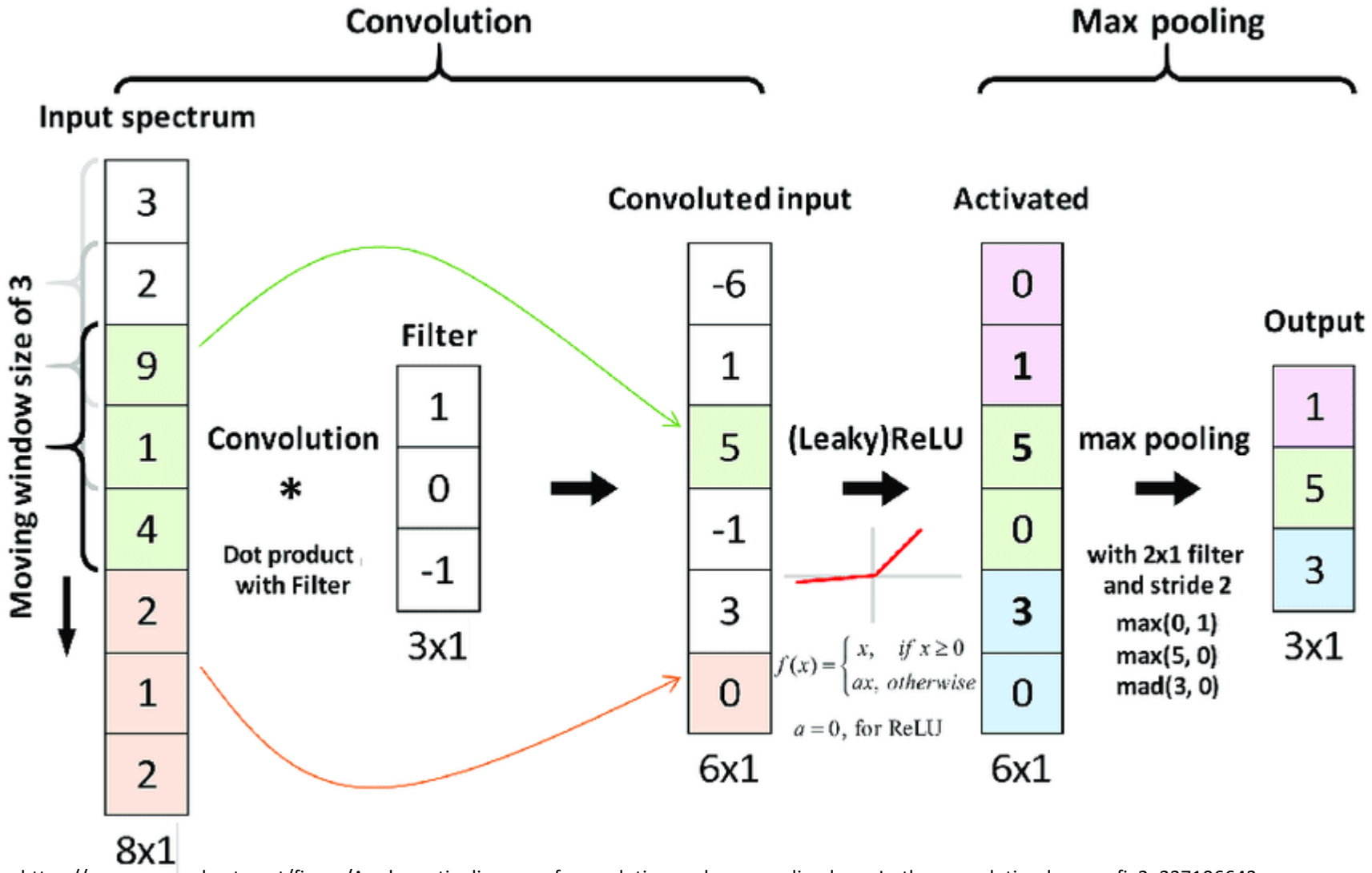
https://docs.ecognition.com/v9.5.0/eCognition_documentation/Reference%20Book/23%20Convolutional%20Neural%20Network%20Algorithms/Convolutional%20Neural%20Network%20Algorithms.htm

Gabor filters



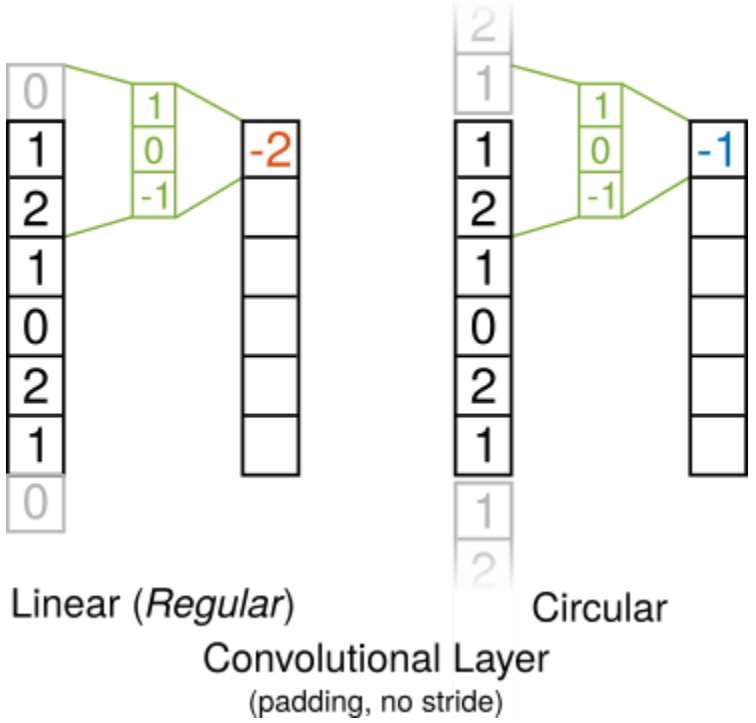
https://stackoverflow.com/questions/41598858/how-can-filters-later-in-a-cnn-recognize-color

Convolution 1D



https://www.researchgate.net/figure/A-schematic-diagram-of-convolution-and-max-pooling-layer-In-the-convolution-layer-a_fig2_337106643

Padding



https://www.tu-chemnitz.de/etit/proaut/en/research/ccnn.html

CNN in keras

- https://github.com/fchollet/deep-learning-with-python-notebooks/blob/master/5.1-introduction-to-convnets.ipynb