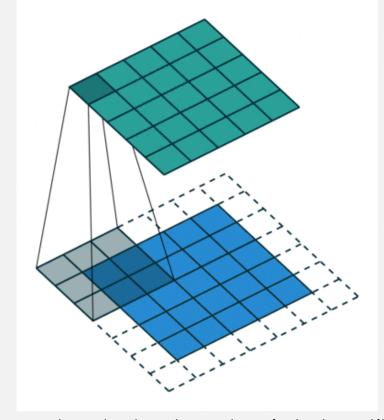
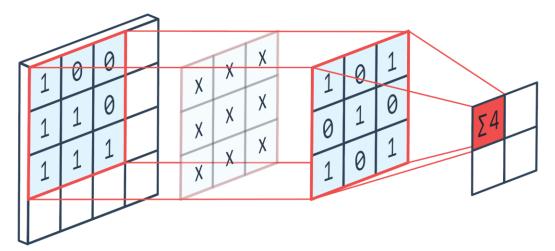
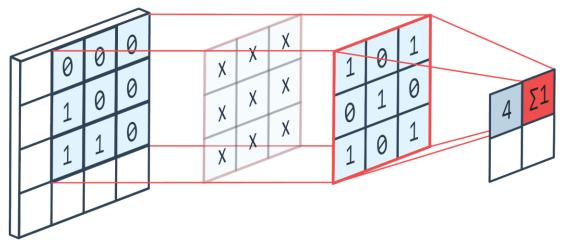
SIECI KONWOLUCYJNE CNN

CONVOLUTIONAL LAYER – GRAYSCALE IMAGES



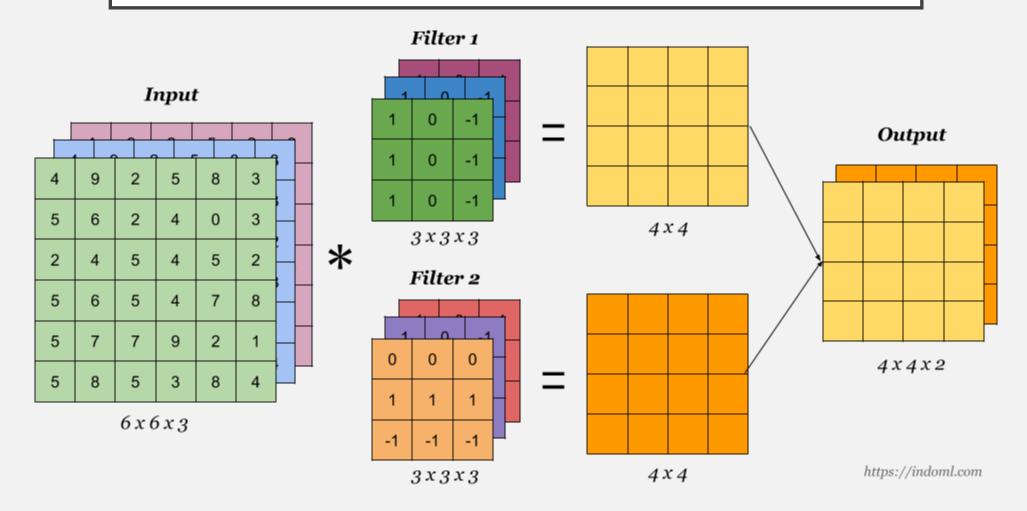
 $https://towards datascience.com/intuitively-understanding-convolutions-for-deep-learning-1f 6f 42 faee\ I$



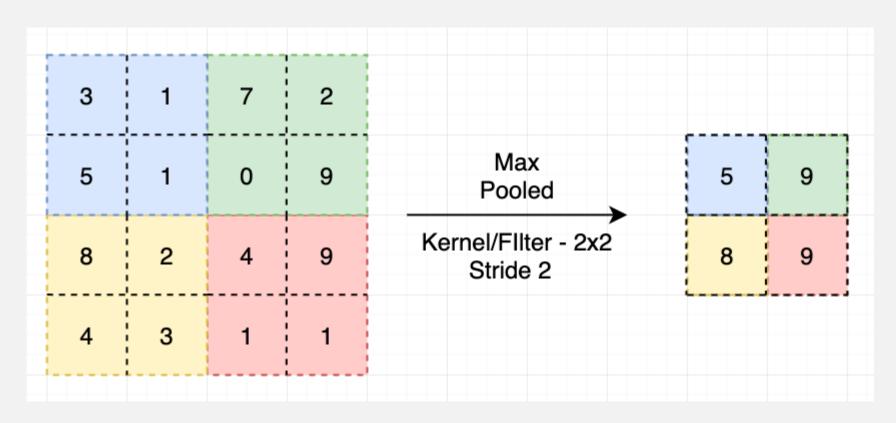


https://peltarion.com/knowledge-center/documentation/modeling-view/build-an-ai-model/blocks/2d-convolution-block

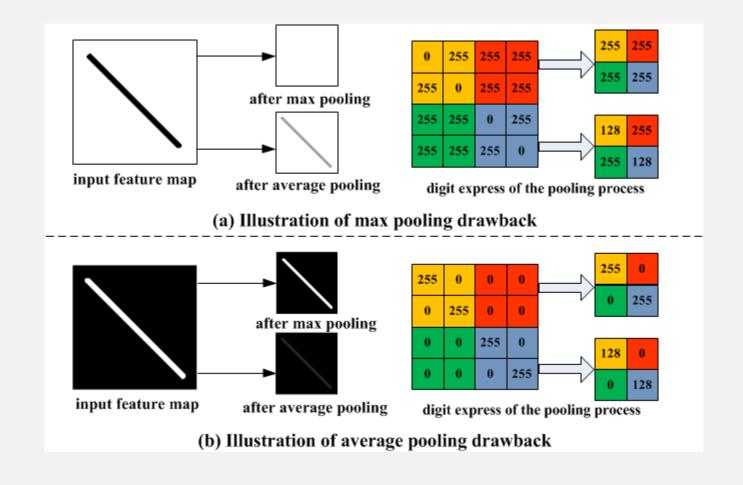
CNN FOR RGB



POOLING



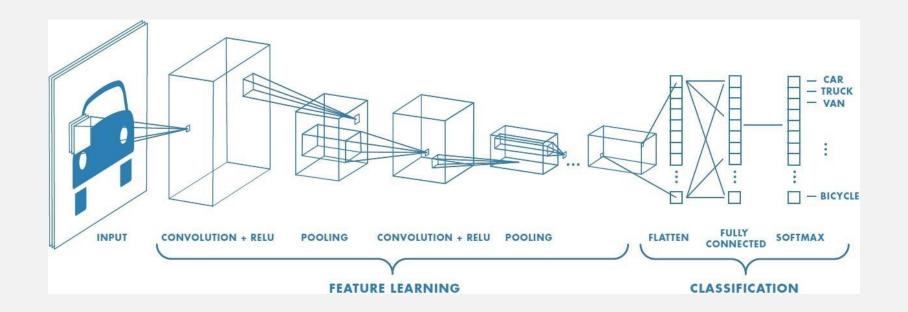
POOLING DRAWBACK



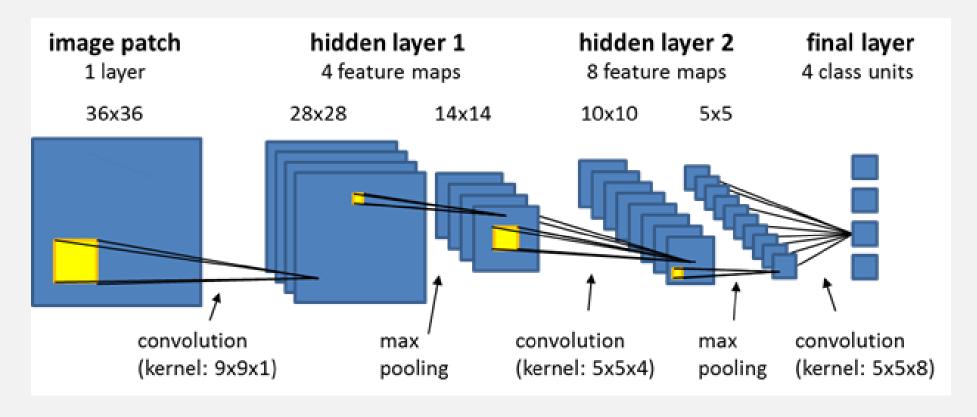
BATCH NORMALIZATION

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

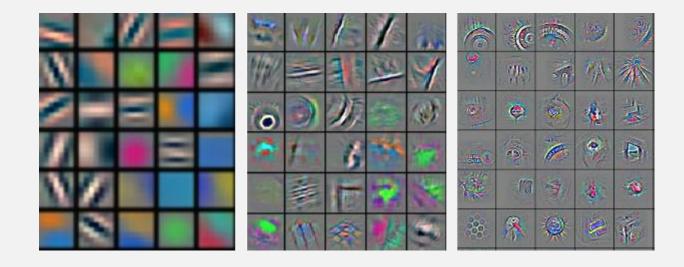
CONVOLUTIONAL NEURAL NETWORK



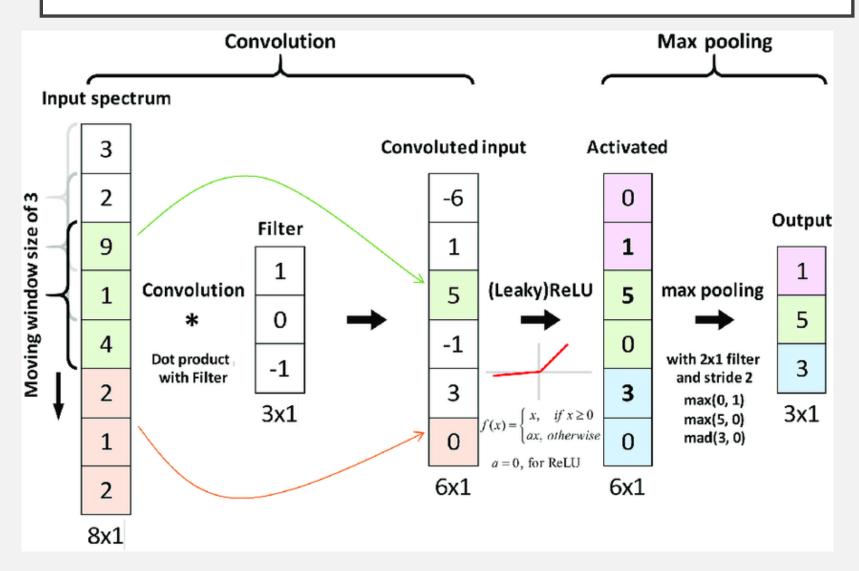
CNN



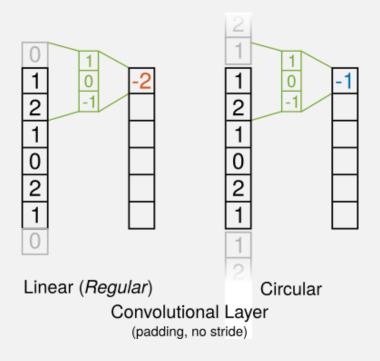
GABOR FILTERS



CONVOLUTION ID



PADDING



CNN IN KERAS

• https://github.com/fchollet/deep-learning-with-python-notebooks/blob/master/5.l-introduction-to-convnets.ipynb