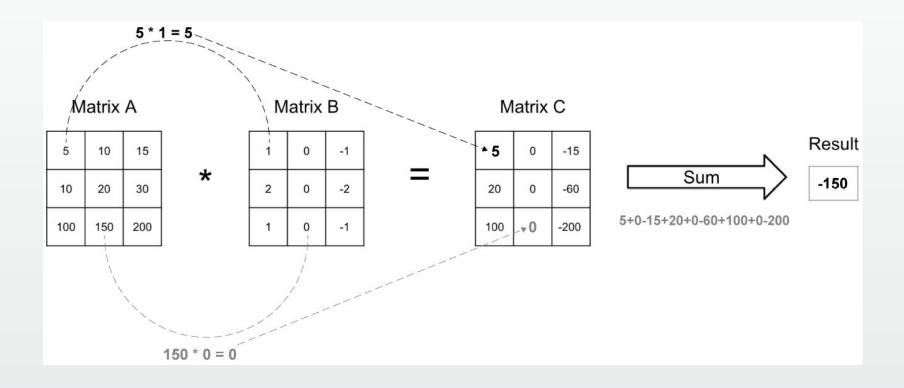


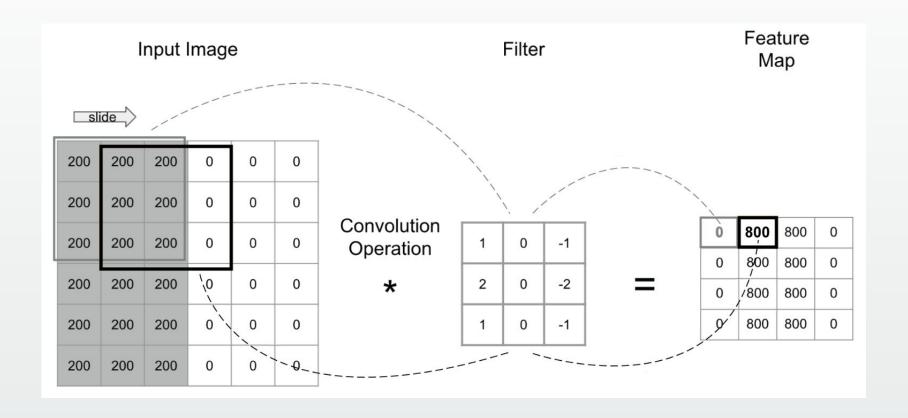
**CIS 8045** 

# **Image Processing & CNN**

## Sequence of the convolution operation



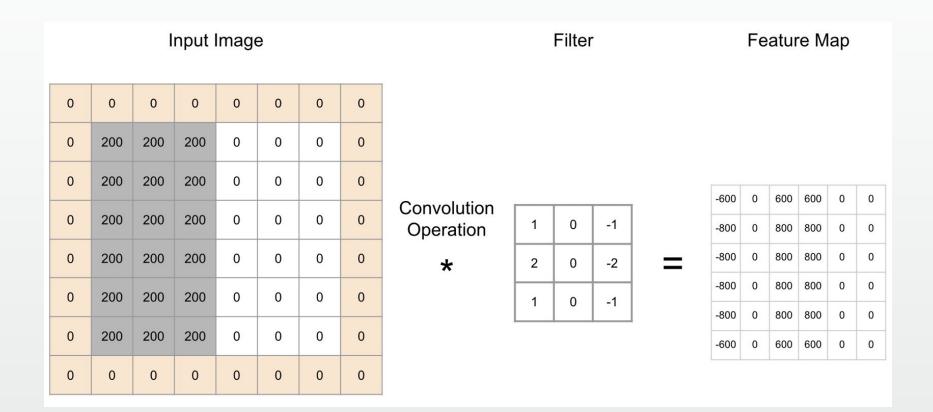
## **Striding**



## **Padding**

#### Padded Image Input Image padding

#### **Padded Convolution**



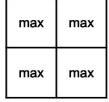
## **Max Pooling with Stride 2**

with

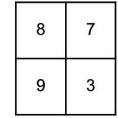
#### Input Image

6	8	6	1
1	2	7	4
9	8	1	2
8	9	3	2

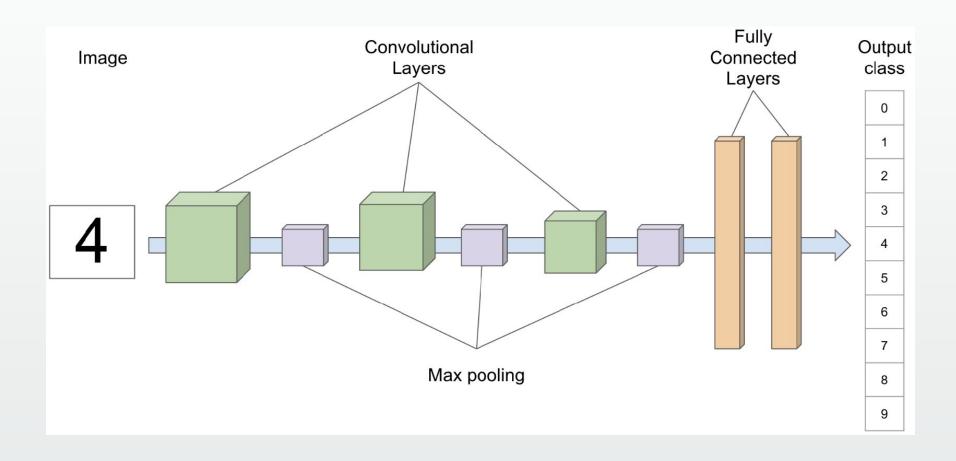
Max pooling with stride 2



Result



### Structure of a CNN model



## **Data Augmentation**



