Assignment 9

Observations after using different kernel size

a)

Increasing the kernel size from 3 × 3 to 5 × 5 increase the number of model parameters.

b)

Increasing the kernel size from 3 × 3 to 5 × 5, in our case, has not change the model performance.

d , e)

 The kernel of size 1 × 3 shrinks the image width and is blind to features that appear vertically in the input e.g. a vertical line . Nevertheless it can extract horizontal features.