**Tutorial Week 11 – Deep Learning**

Aim

* Review definitions.
* Convolutions
* Pooling

1. **Define in your own words the following terms:** deep learning, classification, features, filters, convolution, CNN, convolution layer, pooling layer, relu, computer vision

1. **Convolutions.** Complete the following image convolution

Diagram

Description automatically generated with low confidence

1. **Pooling: Given the following feature map:**



Table

Description automatically generated

* 1. **What is result after applying Max-pool operation using 2x2 pixels applied with a stride of 2 pixels.**
  2. **What is the result after applying an Average Pooling using 2x2 pixels applied with a stride of 2 pixels.**

**END**