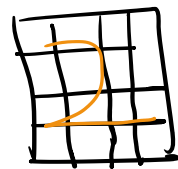Tensor : is a multidim Array and design for mathematical Comp-
uation

Types of tensor
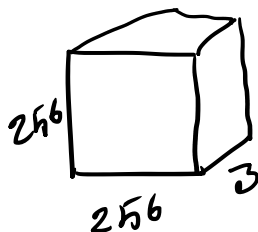
OD: Tensor : Simple a Scaler number

1D: Simple a embedding OHE [1, 0, 0, 1, 0]

2D : Simple Gray Scale imaged

3D : RGB images   256   (3, 256, 256)
256   3

4D : Batch of 3D images

5D : A video clip

Why use in DeepLearning

→ Tensor are very efficiency on DL math calculation

→ Representation Real world data is easy

→ Efficiency increase : its can use GPU boost 100x

Where use in Tensor:

- Training data store as tensor.
- Weight and bias store in tensor
- Metrix operation
- Training process - forward pass, backward pass