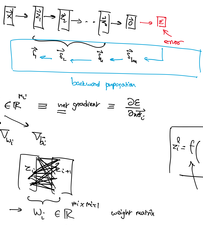
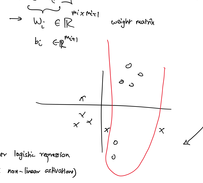
Lecture 21
Thursday, November 21, 2024 10:09 AM

MLP: multi-layer perceptrons

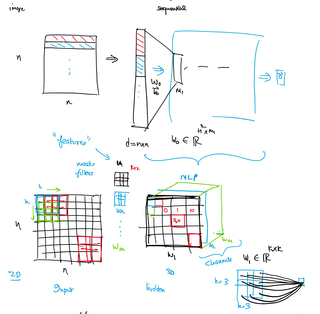


$\vec{x}_i \in \mathbb{R}^{m_i}$ ≡ input gradient ≡ $\frac{\partial E}{\partial \vec{x}_i}$

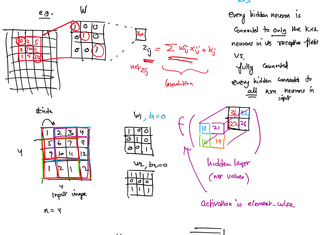


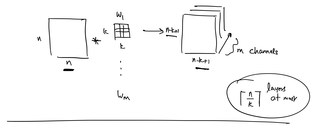
CNN: Convolutional Neural Networks

feed-forward NN, sparse (not fully connected), temporal or spatial locality, segmentation

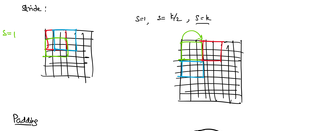


e.g.

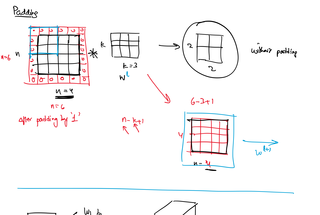




Stride:



Padding


p
n
k
n=4
after padding by 1
n-k+1
6-3+1
n-4
k=3
n-k+1
n=6
n=4
k=3
n-k+1
n=4
k=3
n-k+1
n=6
n=4
k=3
n-k+1
n=6
n=4
k=3
n-k+1
n=6