CV ASSIGNMENT 7

Q1) covariant shift occurs when train and test datasets have different distributions. This could lead to overfitting of model.

Q2) normalisation occurs batchwise.

Q3) LeNet: 2x(convolution + maxpooling) + 3 fully connected layers. Sigmoid function is used.

Q4) AlexNet: 2x(convolution + maxpooling) + 3xconvolution + maxpooling + 3 fully connected layers. ReLu function is used.

Q5) As minimum point gets closer, slope gets reduced and eventually becomes very flat resulting in very slow change of gradient known as vanishing gradient.

Q6) lateral inhibition where normalisation occurs across channels.

Q7) L1 or L2

Q8) 2x(2xconvolution + maxpooling) + 3x(3xconvolution + maxpooling) + 3 fully connected layers. ReLu function was used.

Q9) all 3x3 convolution kernnels. Dimension increased gradually from 64 to 512.

Q10) L1 or L2