Lecture october 9

NN; affine problem g = X.b CNN; Convolution operation x(t) - single point tracking (1) time poists, 1)

less noise on that, introduce a weight junction w (a) nen junction it a smoothed average;

S(t) = \int x(a) w(t-a) da
This operation it called
comvolution

S(t) = (x * w)(t) [expectation name] $E[X] = \int x p(x) dx$

Discretified version; S(t) = (x + w)(t) =

pasition

$$\sum_{a=-8}^{\infty} x(a)w(t-a)$$