Comp Sci Program, 2/28,2022

CNN

Impat lager

- Convolution

stage

- detection

stage (a

- Poching stage

Standard FFNN

mare Conv lager

compare with data and assess quality of moblec via cost/less/risk.

output

function,

Canv, stage Kernel/fitter Stride = 1 CW+ ba+ teg + 12 cx + Jgdx + 55+ 9.2 4.2 fw + 9x + 19 + k.Z +19 +5.2

tilter-parameter me tuned ly the CNN

29+82

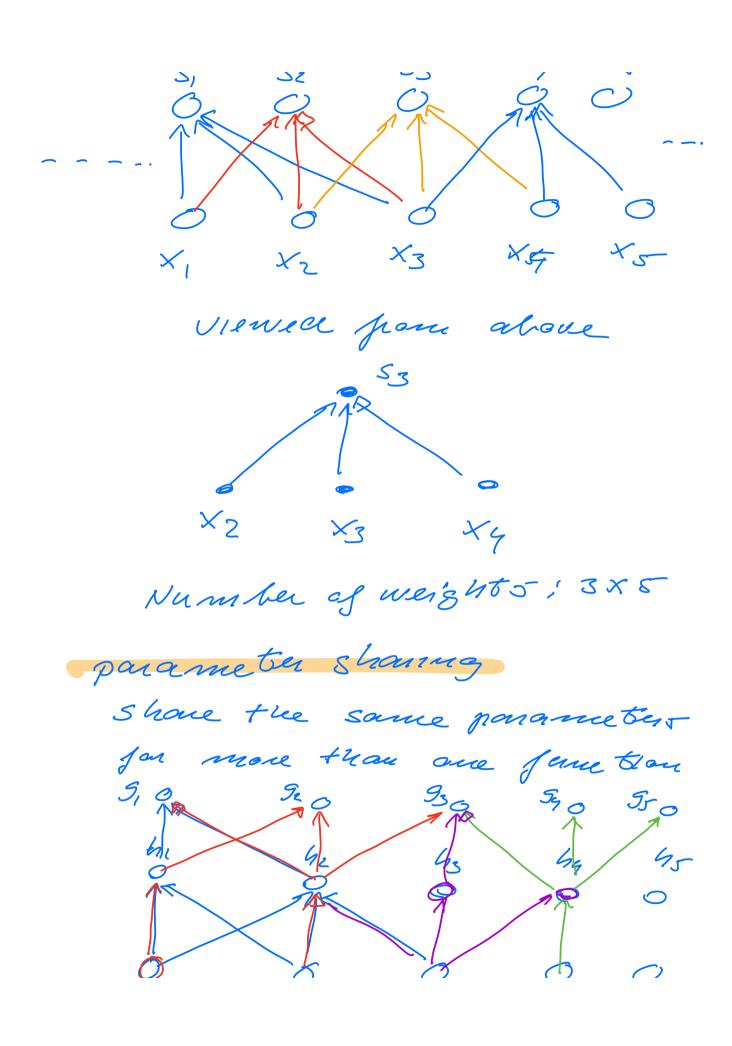
(I * K) producer an output the detection instancta cape into

Stage = application of a user chesen activation function. Typical action-tion is a Rela or Ell or Similar functions

Tell into a pooling stage,

- Sparse connectivity

- CNN C. S. S.



X1 X2 X3 X4 X5

Direct connections one sponse, however, units combe in cleep lagers, connected to many or all of the units in the impat image.

The output goes into an activitation function.

=> packing stage.

pocking replaces the output
at certain location (= mode)
with a summing statistics
of the nearby points!

Max packing:

T 51 1 92 1 93 54 6,2

0	b ₂	63	44
0,1	1	0,2	0,1
		cut pur	e of action