## Mar 7, 2019 Neural Networks

CMPE297 Vido Analytics. Reference: 1° github/hudili/pape297/20195/ 20115-30~ Zo ~20195-292018~ 30~20195-29~(3 jpg Handwritten 40 1. drg, 2. drg. Notes) MNIST 3.018. Ty Sample code. Example: DNN (Dense Neural Notabrks) () Architecture for DNN (3) Math. Formulation f(x)={ | Zwx; +b > Threshold One of the 2 Signs Si (x-x) (y-5) Ekry) dray

Si E(xx) okoly. Step 1. Train NN. Step 2. Deploy the NN. Visualization for the Training; Deap Learning, Xx Region CI. machine bearning +C.V. X X , Reginat Region CI: Stop Signs. In , X2, ... XN " CI: Right" Chast Iz, Izz, ... Izm

Xpg. p: Classes (Regions)

P=1,2, q: No. of Emples, q=1,2,... N f(x)>0 Above Heline, Class I; f(x)<0 for Region

## Mar 7, 2019 Formulation for Point Cloud

