LECTURE 19

Improve Generalization ability
of NN:

Lo Bagging (Bootstrap aggrégating)

INPUT SAMPLES Classifier

DATA SAMPLES Classifier

Lo parallel K — classifier,

Los Boosting: weights samples based difficulty" (defined by misclassification ERPOR) C(ASSIFIER (Training) Lo sequental RE-WEIGHT lassifier BASEDOV misclessif.

LP Dropout LA Drop weights connections in a NN at Randow w/ prob. 1-p. L Typical value is to the 50% neurons 801-19010

PCA and LDA

LAR assume that the data

"lives" in a linear Wamifold

Le PCA will movimise explainéd variance

Lp LDA will merxinizé class sepanability

Images data Set generally data is not uniformly distributed





