EX: NO:3 study of the classifiers with respect to statistical Ain: - To implement varieous classifes IRIS dataset and analysis the statestrical parametes Pseudocode!-FOTK NN:-1. camplete the distance X-best X: 2. sort all distance in aexending order 3. select fourt k training paints 4. court prequercy of each label. S. Return the lable with highest progrerey Far lagister Regressias 1 campute ureau cardinalias (2): 2= XO+B 2. Apply eignald percetan: g= signaid (Z) 3. Compute loves =1(1+e-4) 4. Campute Gradients S.) uhdaba haraneters W=W-atdw b=b-axdb Far nauie rayes Frairing plase. 1. bor lach class c in all classes:

> calculate pour prabability p(c) = couert(c)/tated = samples > for each feature i: 2. par lest havit a-lest: P(AIB) = P(BIA)P(A) Observation: Accuracy: 100% lagistic Regressias Accouracy: 1001. Naure Bayes Accertacy: 100%. Justification: -> clear dorbe -> small samples -> well separated heatures >> Balanced classes Result! Inflemented difference classifies same date let and analysed A couracy rate.

pour each class cir all classes: