EX-3: STUDY OF CLASSIFIERS 14/08 MITH RESPECT TO STATISTICAL PARAMETERS Aim. To itudy of claudiers with respect to statutical parameters. Algorithm: => Lood an open, sounce, dolaset - felt the dotated into braining and tuting return => Initialize multiple chinifiers => Train each danifiers => Predict on test tot ving och model Excluste each model wing: * Acaracy * Reall * Precision * Fr- some => Compare results. နက် လည္းနား သန္တိုင္သည္၏ သို့သက္သိုင္မေရးမွာေတြ မလိုလ်ပ္ပံု၏ ဒီ r dag cara i servici e experience i - A Carrier to San " or or

PSEUDOCODE: BEGIN tood data ut extitute into training and test standardize the features Pritalize danifier For each danifier: Train Prodict ealculate Acouracy store results END FOR Display and compare CND prime officer to such transport teletion is traded many ing

Observation: clarifier Decision Tree logistic Roguerism Acuracy 84.4-1 97.4.1. Any precision 97.67 Aug Recall 83.9-1 97.31. Aug F1-score 84.31. 98.6-1. 97.61-1. 17 bethouse . 1- 7. 28 18,617. 97.84. Slore

Code: from Alean data sits import load-inis tipe-test-nin trapai noitoeles lebon nacht man from Alban preprocessing import standard Scalar from skleam linear model import logistic Regression from sklean. rughbors impact knowshowschuidier from Albam. Num import suc from Albain free import decision free danisher trapor_railional trapor raintem results made confusion motion 120 iribal = otab etch. otob = x y: doba . target x train, x teet, y train, y test & brain_test_plit (x,y, testinge = 5,3; random state = \$ 3) scalar: Stordard_&colon() x train = Salan Sit hankorm (x bain) x-tut: Scalar. teansform (x:tut) elanifery = f "Logistic Regression: Logistic Regression: "K-Nughbor: K MC (nnughbor=3) " Support votos madrina": 8VCC) "Decision Tree": Devicion Tree ()

ownall:

* non provider best ownall danification

* Devision has shown right of ownfitting

* Lagistic Requirer is very dose

in performance.

Rusult: Study of Janifers with respect to statistical parameters completed. for name, elf in danifiersitems(): elf. fit (x hain, y-bain) spread = clf. prodict (x test) print ("=== leaned====" (" too kna") tring print (contunion motivix (y-test, y-prod) print (danisiation-report (y-test, y-prod, target-rains: data, target-rains))







