KNN Algosidhm

* KNN Stands for K-Newest Neighbours.

* classifion-Percelecting classes.

Esc: Poredecting Movie Grenou

IMDb Rating Ducation Grenow

8.0 (missible)

Impossible

Action

6.2 (Gaclass 2)

7.2 (Rocky & Racia) 168

Comedy

8-2 (om6, 2)

155

Powded the General of Backer movie with ImDb 7.4 dwalton: 114.

(photosis) ocasto oca photosis (respectively) Euclidean Distance = $\sqrt{(x_2-x_1)^2+(y_2-y_1)^2}$ og = 114 => backie. Destance $(8.0, 160) = \sqrt{((7.4 - 8.0)^2 + (114 - 160)^2}$ = V 0.36 + 2116 Destance (6.2, 16) = \((7.4-6.2))^2 + (114-170)^2 V 1044+3136 Distance (7.2, 168) = 54.00 Ristance (8.2, 155) = 41.00

Stepa: Select IX Neasurst Neighbours ef K=1 .. The lass value en Distance 28 [41.00) =) Grenore is Comely Hence Bacibie is comedy Grand step3: Majaenty voting (classify) (128) 196 K = 3 / = 300 olish mis pilou 3 take least 3 values ferom Distance 46.00 -> Action HI.00 > Comedy 3 majority .. Baeillo es comedy.

Desterne (6-3-16) = (31-6-3) 20 moteral = 10-36 = 36-01

Descource (703, 163) = = 5400