D) How do we determine a good "k"

(to for kimeans), the sumber of

clusters?

Ans) We can here use "Nearest Neighbor" function here. Steps are as follows step-1 (Using both kneams RDBS(AN)

Run" Nearest Neighbor" for of Skdearn on the whole dataset and obtain & may wearest neighbor of each element and distance blu them Step-2

Sort the output arrow accordance with the distance and plot it

Step-3

From plat we can choose appropriate
value of g'epsilon' for Nearest
Neighbor fn & Elem som Handshort

Stop-4

Run DBSCAN with that epsiding value and then we will get cluster ournbers from there.

Step-5

Put that number to kMeans 8 Stap-6

Verity the goodness of the model by running Koneans. inertial A good model should be having low low value for Koneans. inertic

Do else For kMeany

We can use Koneans. inertia directly for different vailues of K and then choose appropriate R which will be with low value for inertia