Data Representation Report
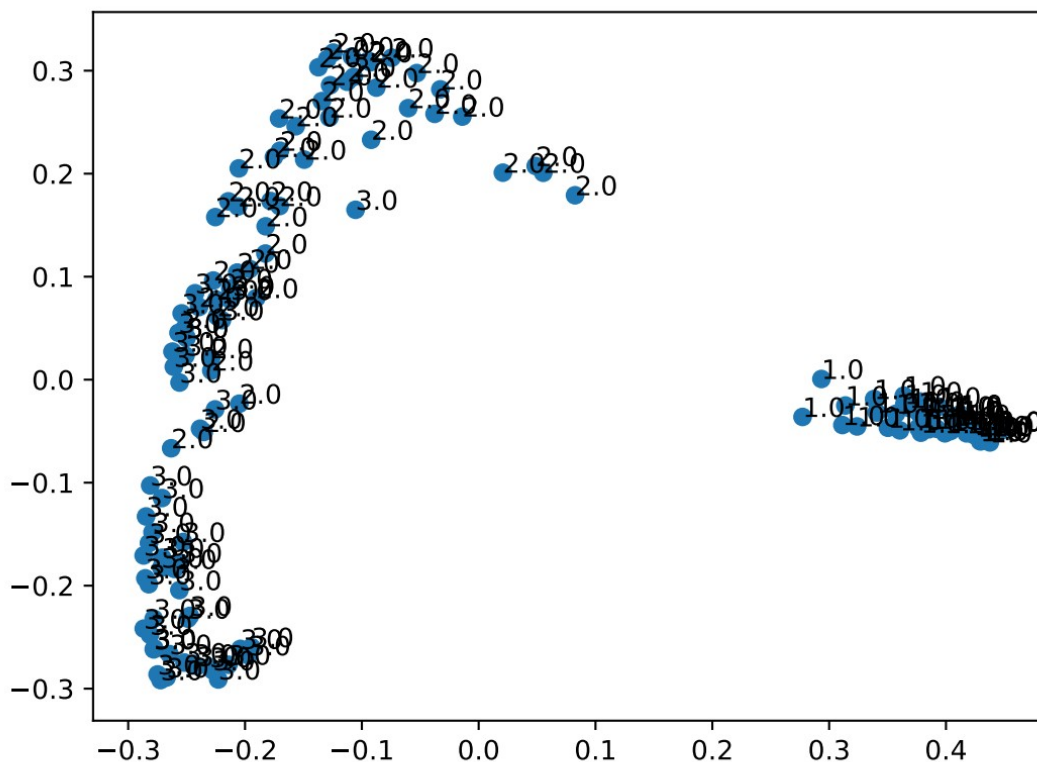# Name: Rishita Bansal
Netid: rxb180044
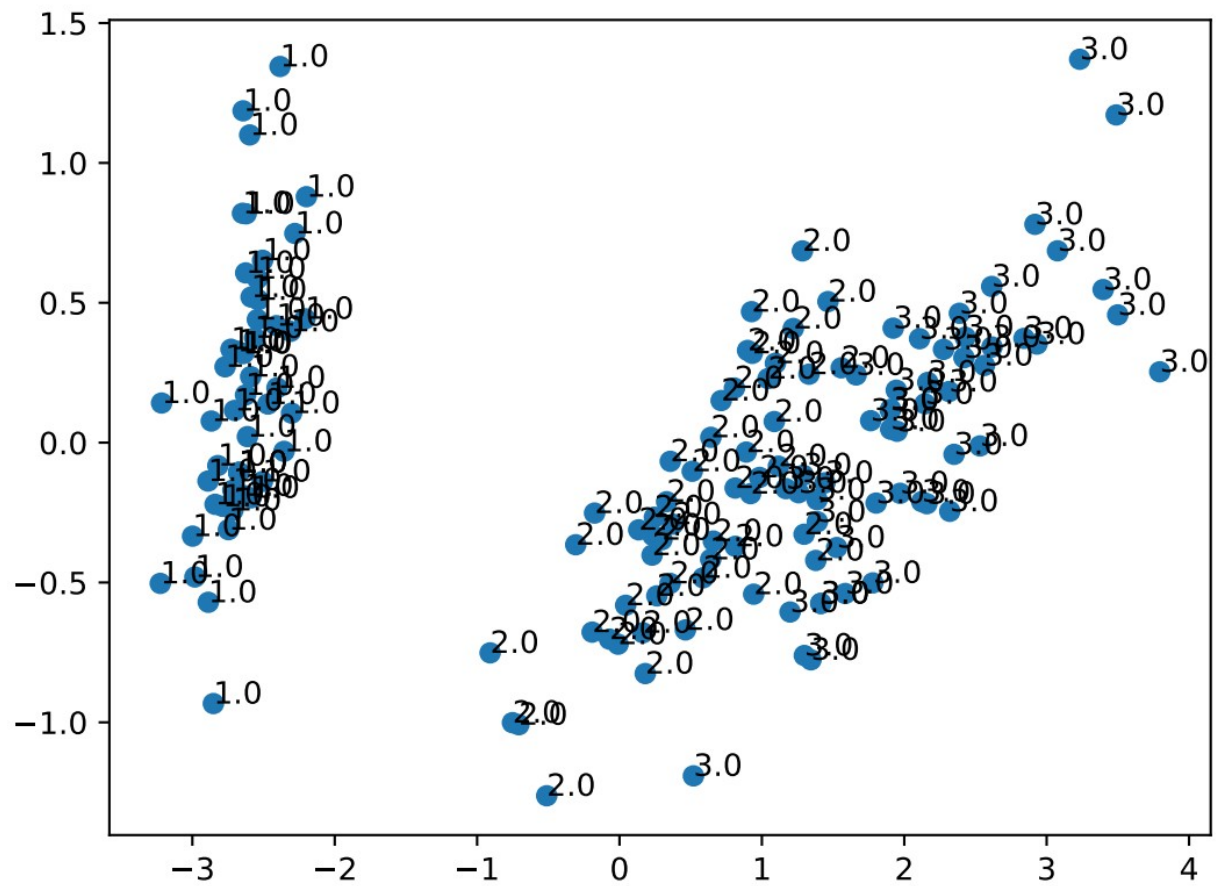
Observations for MDS:
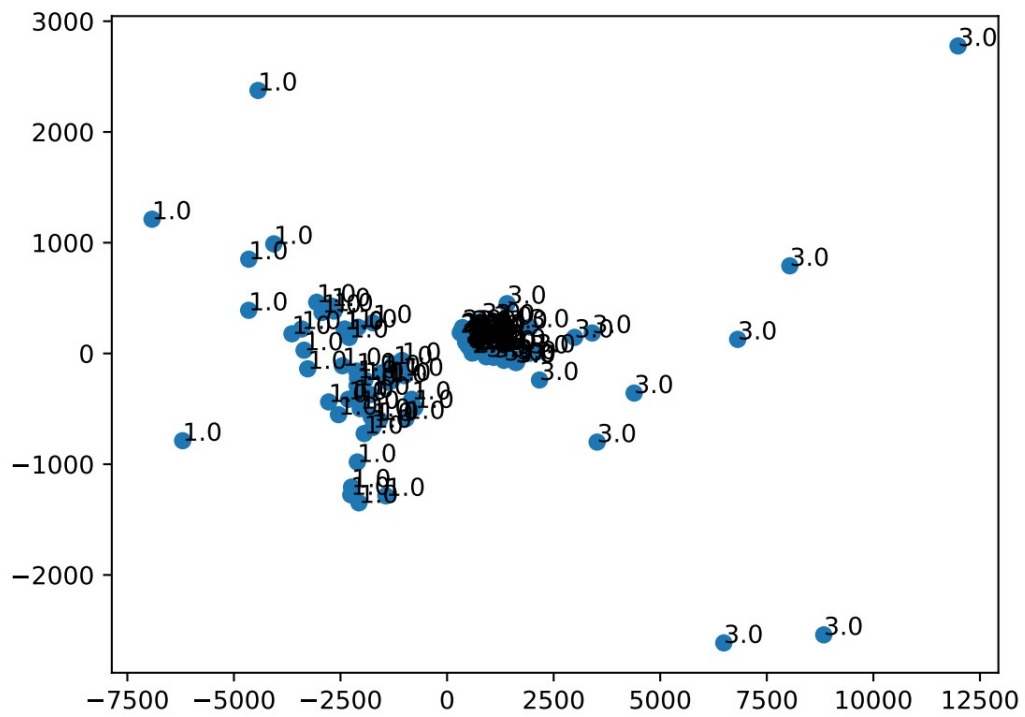
As we decrease the alpha the distance between clusters increase and distance but the distance between the points in a cluster decrease. So having a sufficiently big alpha can help us get a good clustering. Bigger alpha helps mis-classification of points that are falling into the wrong cluster.

We can see this very clearly in the iris dataset:

MDS with alpha= 0.1

MDS with alpha = 1

MDS with alpha = 5