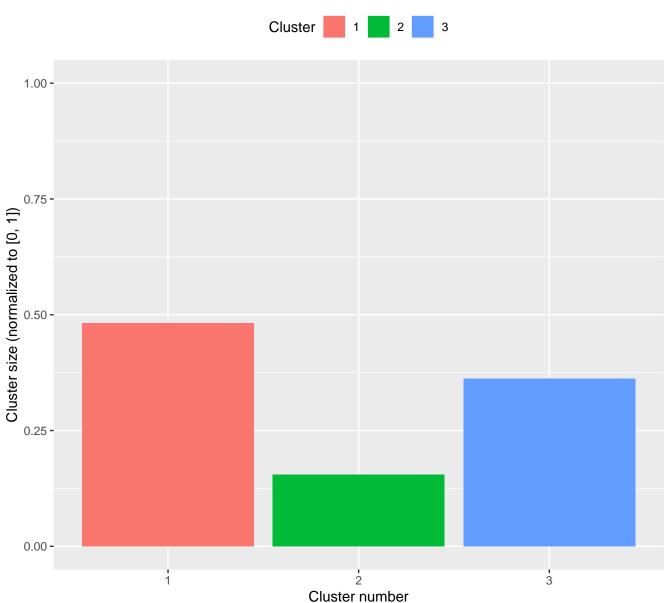
Dataset: journal.pone.0158570_S2File_depression_heart_failure_v2.csv K-Means elbow plot 1.0 -0.5 -0.0 --0.5 **-**-1.0 **-**4 8 2 10

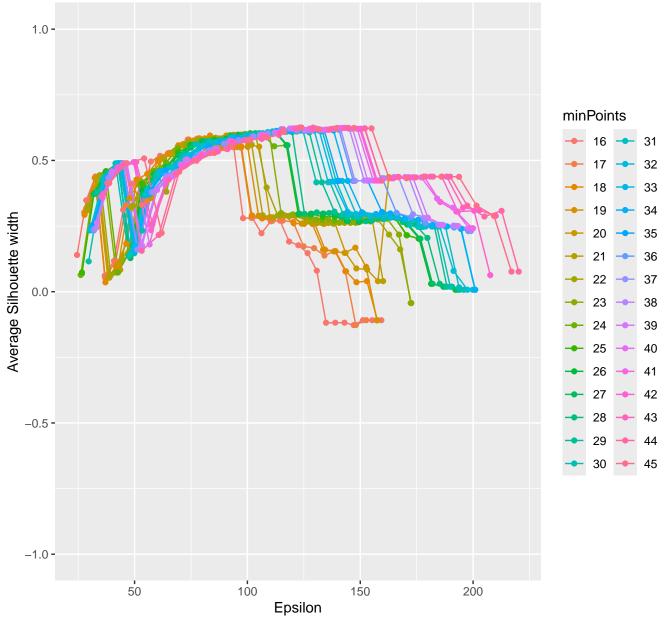
Number of clusters

Average Silhouette width

Clustering: KMEANS Parameters used: k = 3

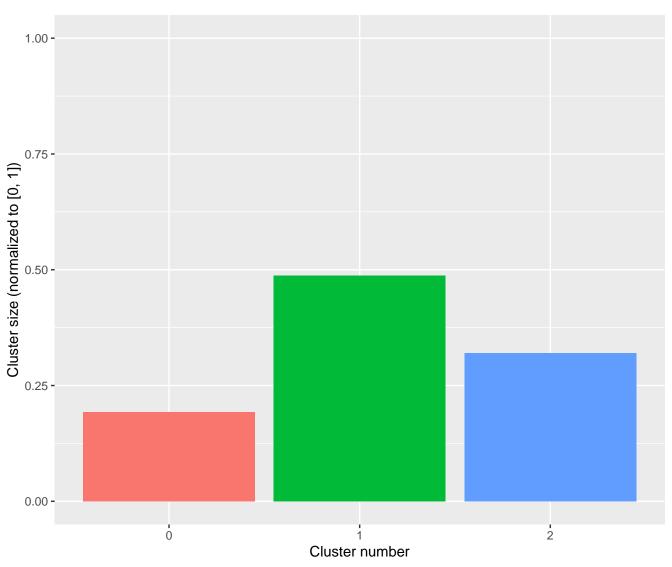


Dataset: journal.pone.0158570_S2File_depression_heart_failure_v2.csv DBSCAN elbow plot

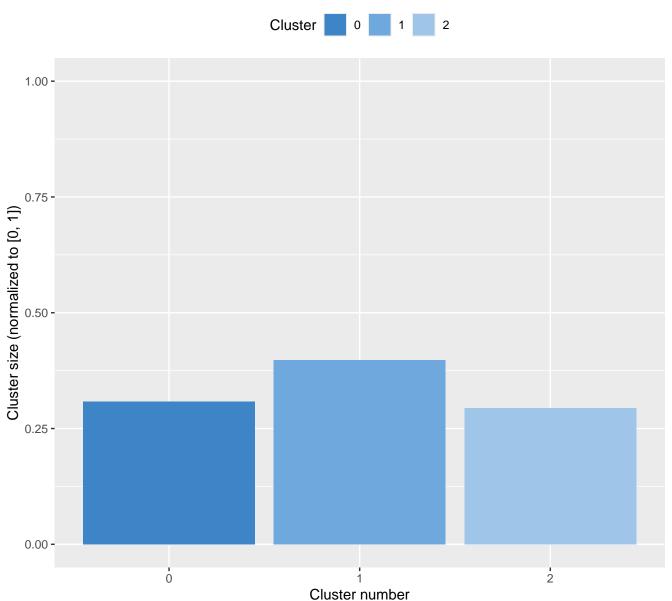


Clustering: DBSCAN
Parameters used: minPoints = 43, epsilon = 123.1177

Cluster 2

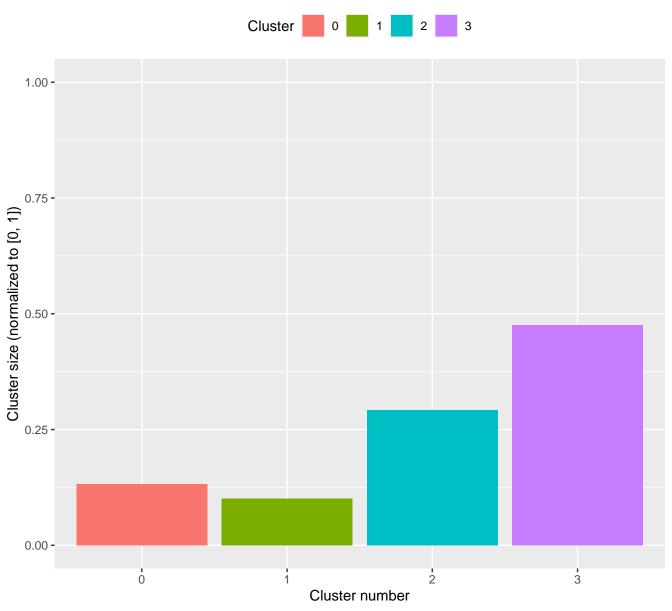


DBSCAN clustering with visual inspection Parameters used: minPoints = 29, epsilon = 75



Dataset: journal.pone.0158570_S2File_depression_heart_failure_v2.csv HDBSCAN elbow plot 1.0 -0.5 -Average Silhouette width 0.0 --0.5 **-**-1.0 **-**10 20 30 MinPts

Clustering: HDBSCAN Parameters used: minPoints = 17



Dataset: journal.pone.0158570_S2File_depression_heart_failure_v2.0 Hyperparameter combinations ranked by its average Silhouette score minPoints = 45epsilon = 147.25588 minPoints = 45epsilon = 139.50557 minPoints = 45epsilon = 124.00495minPoints = 44epsilon = 144.27134 minPoints = 44epsilon = 129.08488minPoints = 44epsilon = 121.49165 minPoints = 43epsilon = 152.08657 method minPoints = 43**DBSCAN** epsilon = 144.84435 **KMEANS** minPoints = 43epsilon = 123.1177 minPoints = 42epsilon = 143.18244 minPoints = 42epsilon = 121.70507 minPoints = 41epsilon = 142.63461 minPoints = 40epsilon = 141.59903minPoints = 39 epsilon = 139.96928k = 3 --0.50.5 0.0 1.0 -1.0Silhouette score