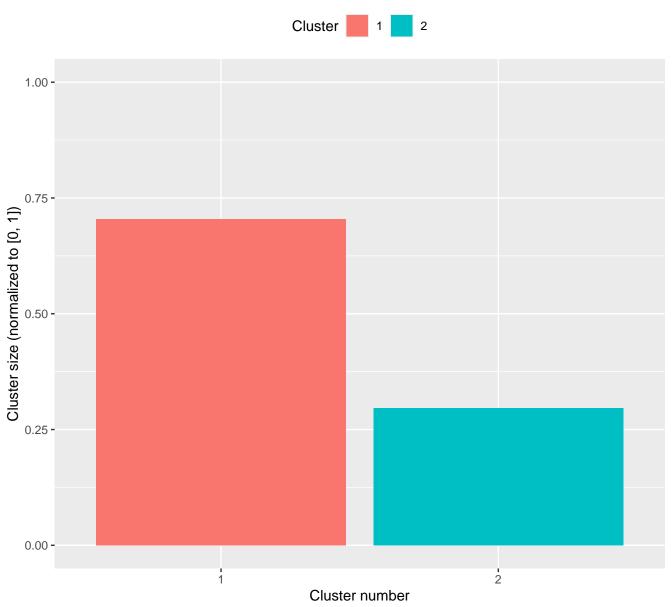
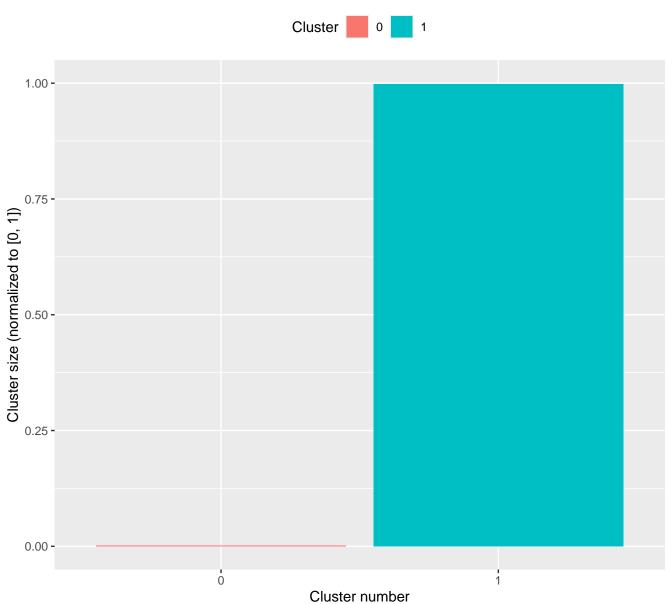
Dataset: journal.pone.0148699_S1_Text_Sepsis_SIRS_EDITED.csv K-Means elbow plot 1.0 -0.5 -Average Silhouette width 0.0 --0.5 **-**-1.0 **-**4 8 10 2 Number of clusters

Clustering: KMEANS Parameters used: k = 2

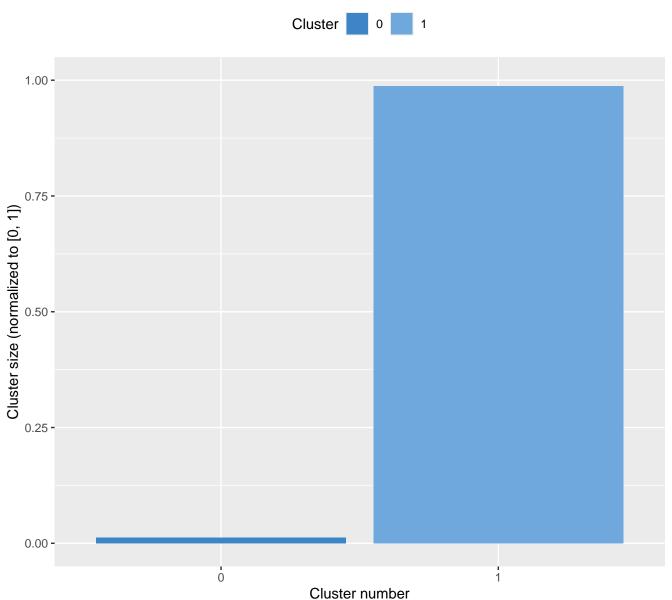


Dataset: journal.pone.0148699_S1_Text_Sepsis_SIRS_EDITED.csv DBSCAN elbow plot 1.0 minPoints **→** 17 **→** 33 **→** 18 → 0.5 -19 -- 35 20 -- 36 Average Silhouette width 21 - 37 22 - 38 23 - 39 0.0 -24 -- 40 **→** 25 **→** 41 26 -- 42 27 -- 43 28 - 44 29 -- 45 -0.5 **-**30 -- 46 31 - 47 32 -1.0 **-**100 200 300 0 **Epsilon**

Clustering: DBSCAN
Parameters used: minPoints = 17, epsilon = 170.55707

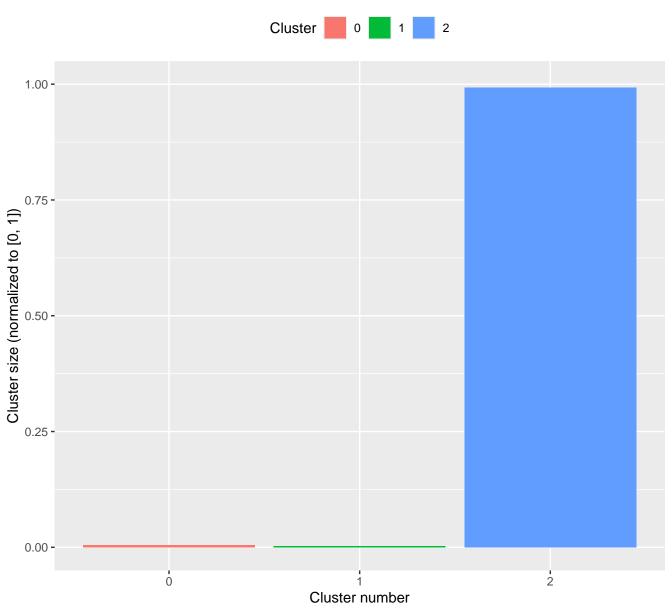


DBSCAN clustering with visual inspection Parameters used: minPoints = 31, epsilon = 100



Dataset: journal.pone.0148699_S1_Text_Sepsis_SIRS_EDITED.csv HDBSCAN elbow plot 1.0 -0.5 -Average Silhouette width 0.0 -−0.5 **-**-1.0 **-**10 30 20 MinPts

Clustering: HDBSCAN Parameters used: minPoints = 3



Dataset: journal.pone.0148699_S1_Text_Sepsis_SIRS_EDITED.csv Hyperparameter combinations ranked by its average Silhouette score minPoints = 20epsilon = 186.93873minPoints = 20epsilon = 179.14961 minPoints = 20epsilon = 171.3605minPoints = 19epsilon = 194.41179 minPoints = 19 epsilon = 186.63531 minPoints = 19epsilon = 178.85884 minPoints = 19epsilon = 171.08237 method minPoints = 18epsilon = 194.26952**DBSCAN** minPoints = 18epsilon = 186.49874minPoints = 18 epsilon = 178.72796minPoints = 18epsilon = 170.95717 minPoints = 17epsilon = 193.81485 minPoints = 17epsilon = 186.06226minPoints = 17epsilon = 178.30966minPoints = 17epsilon = 170.55707-0.50.5 -1.00.0 1.0 Silhouette score