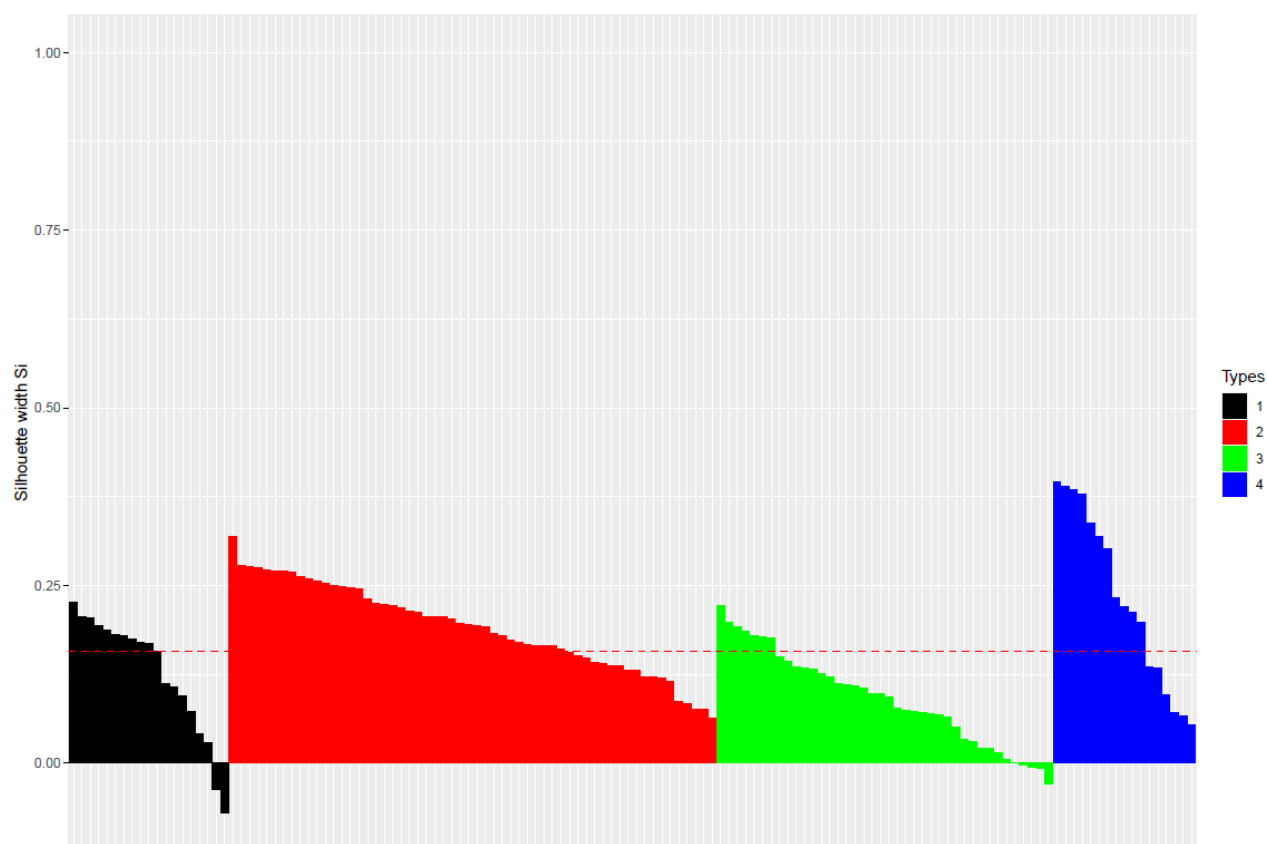


Online Supplementary Material

Quality of the Solution: Results of Silhouette Scores/Coefficients



Legend

Types (f.l.t.r.):

1 Usual Incorporated Care Units average silhouette width 0.13 (black)

2 Usual Separated Care Units average silhouette width 0.19 (red)

3 Dementia Care Units average silhouette width 0.09 (green)

4 Dementia Special Care Units average silhouette width 0.23 (blue)

Overall average silhouette width: 0.16

Description

The silhouette plot in the Figure displays a measure of how close each care unit in one type is to care units in the neighboring types. Care units with a large positive silhouette width are very well clustered and are clearly separated from their nearest neighbor type. In contrast, care units with a negative silhouette width are probably placed in the wrong type. An analysis of the average silhouette width shows that the most discriminating type assignment is made for the DSCU type (blue = 0.23), followed by the USCU type (red = 0.19), the UICU type (black = 0.13) and the DCU type (green = 0.09). According to the interpretation of silhouette widths, the types DSCU and USCU do not contain wrongly assigned care units because they have all positive values.