

quartiles

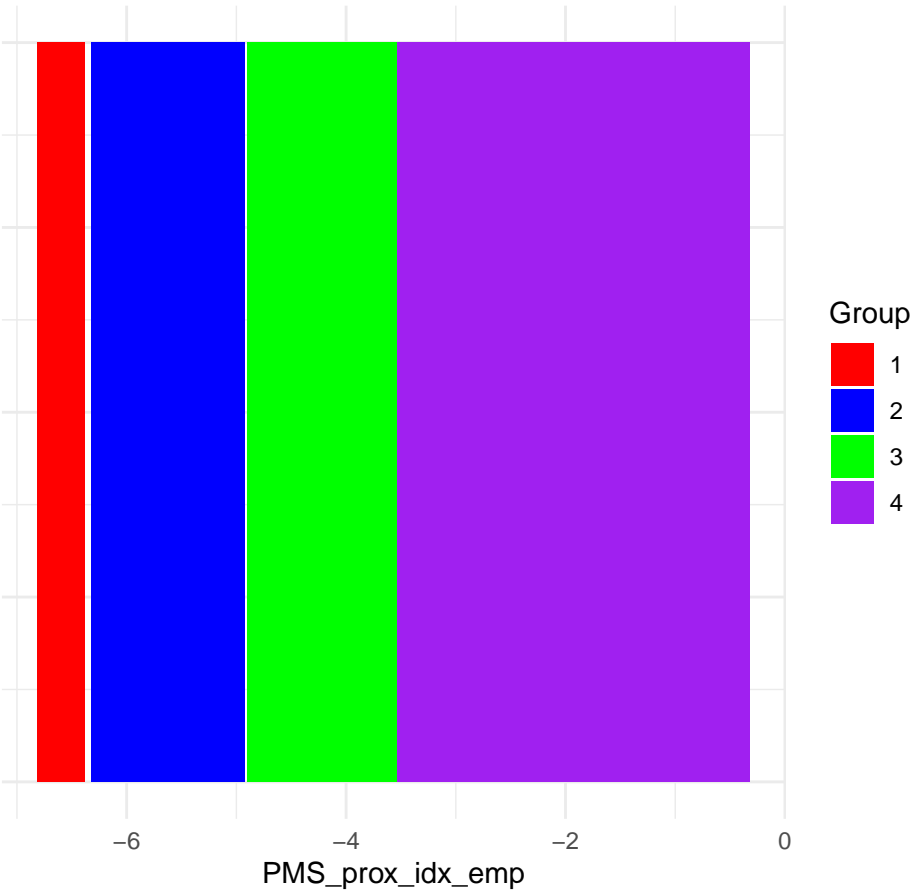
Avishek

2023-05-23

# Cluster by Quartiles

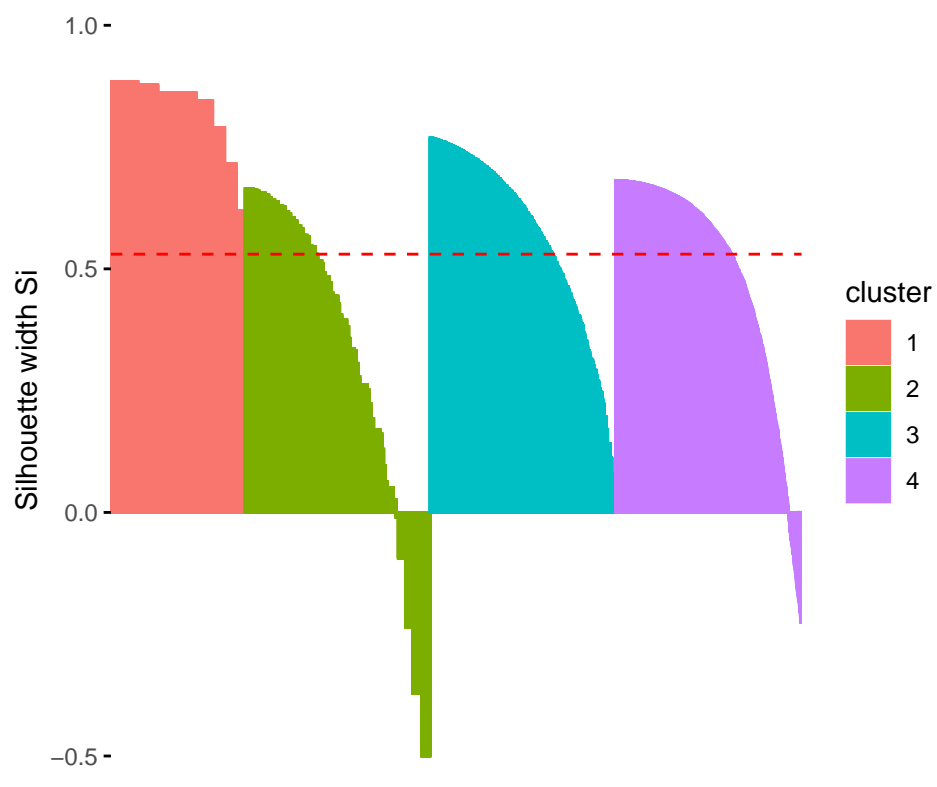
Employment

Cutoff Values by Quartile



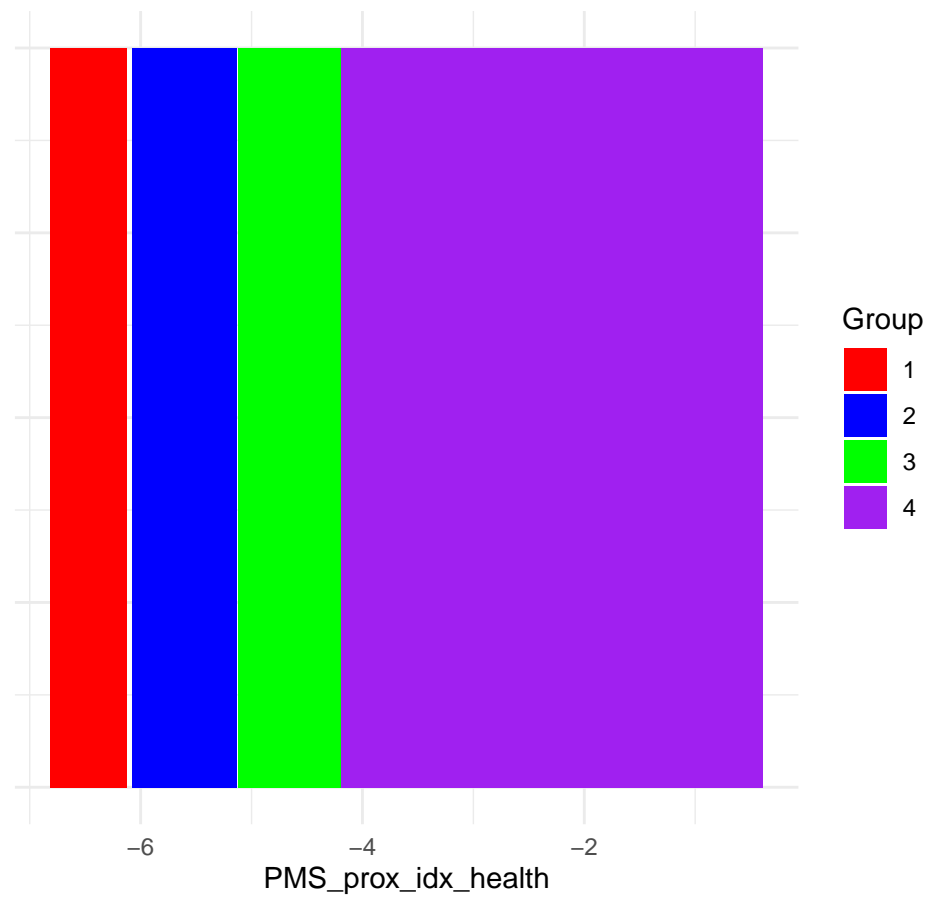
##	cluster	size	ave.sil.width
## 1	1	2279	0.83
## 2	2	3141	0.32
## 3	3	3150	0.57
## 4	4	3158	0.49

Clusters silhouette plot  
Average silhouette width: 0.53



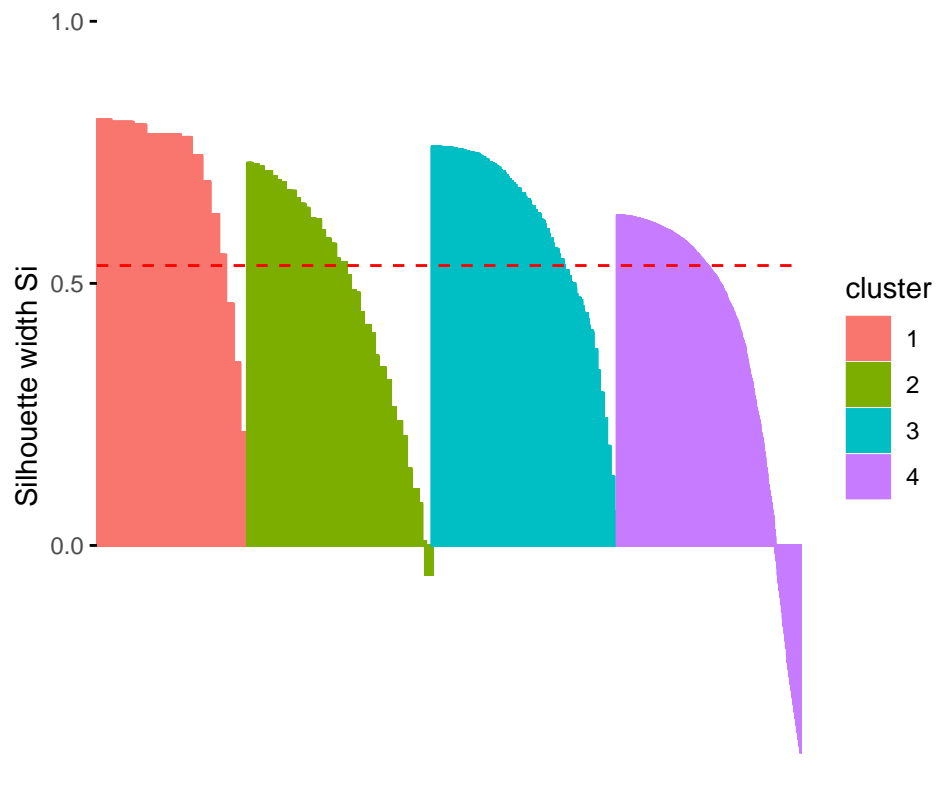
## Health

Cutoff Values by Quartile



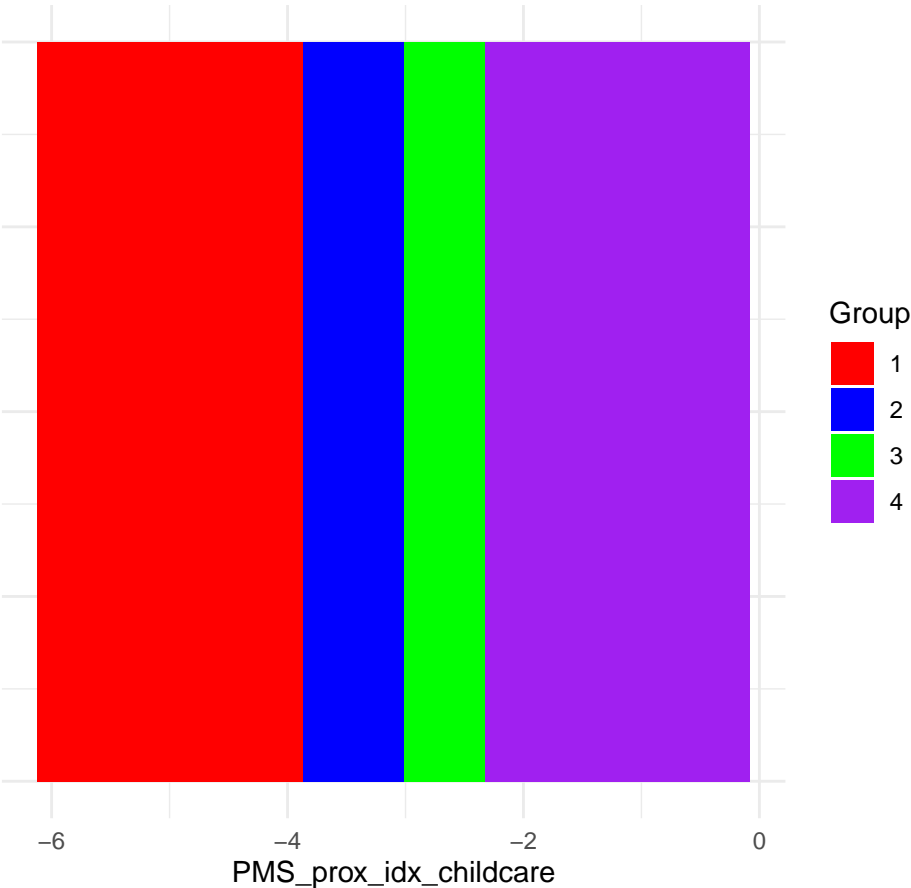
##	cluster	size	ave.sil.width
## 1	1	1814	0.70
## 2	2	2229	0.48
## 3	3	2232	0.60
## 4	4	2223	0.39

Clusters silhouette plot  
Average silhouette width: 0.53



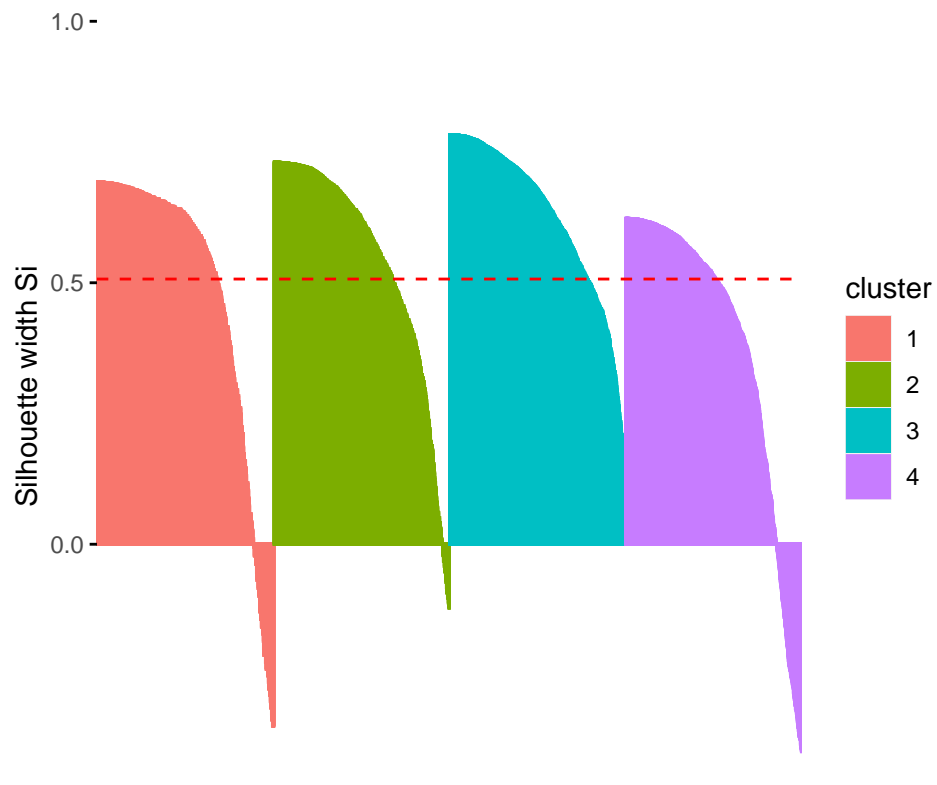
Childcare

Cutoff Values by Quartile



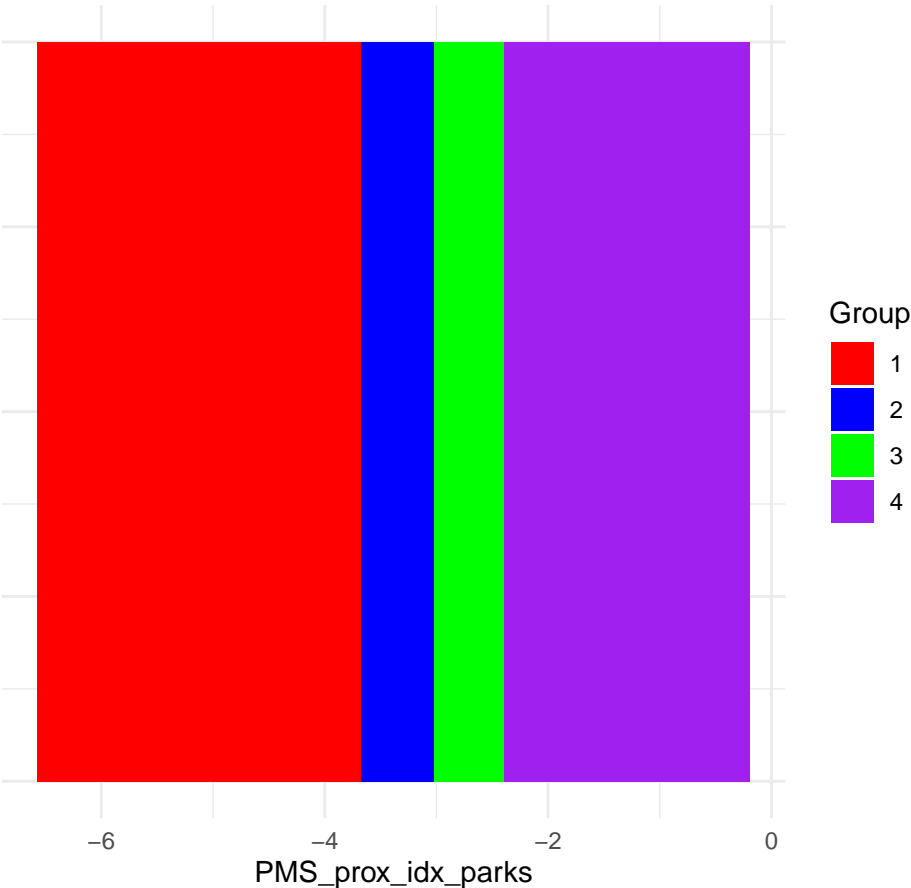
##	cluster	size	ave.sil.width
## 1	1	1817	0.48
## 2	2	1800	0.54
## 3	3	1808	0.63
## 4	4	1805	0.39

Clusters silhouette plot  
Average silhouette width: 0.51



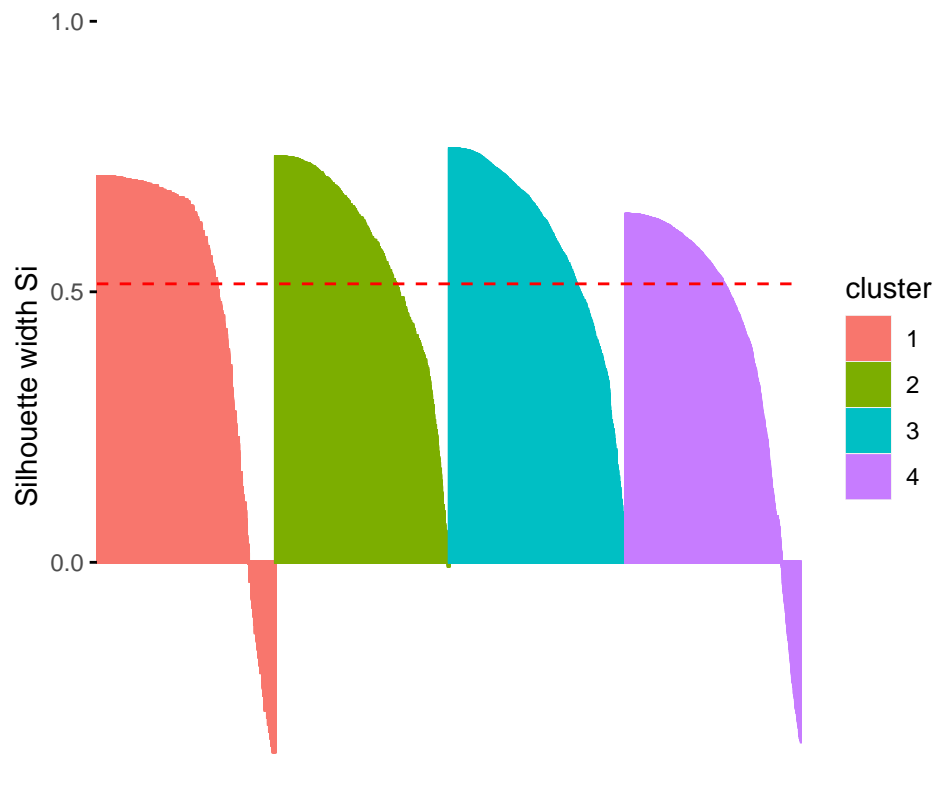
Parks

Cutoff Values by Quartile



##	cluster	size	ave.sil.width
## 1	1	1764	0.48
## 2	2	1720	0.57
## 3	3	1744	0.59
## 4	4	1740	0.42

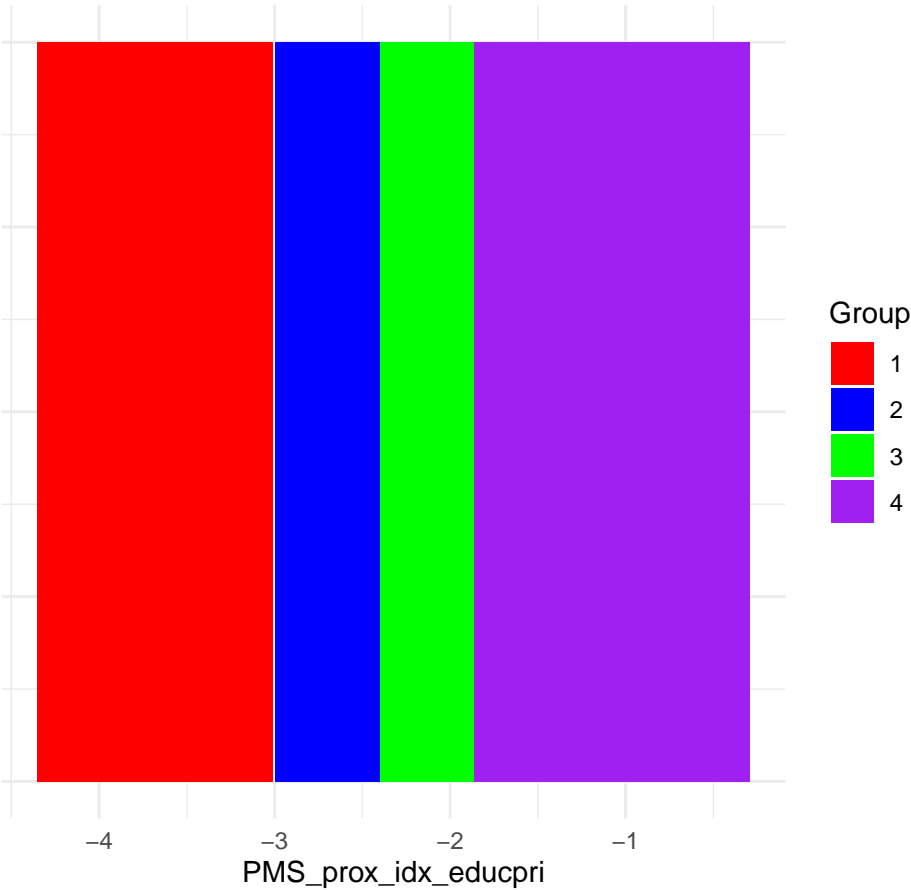
Clusters silhouette plot  
Average silhouette width: 0.51





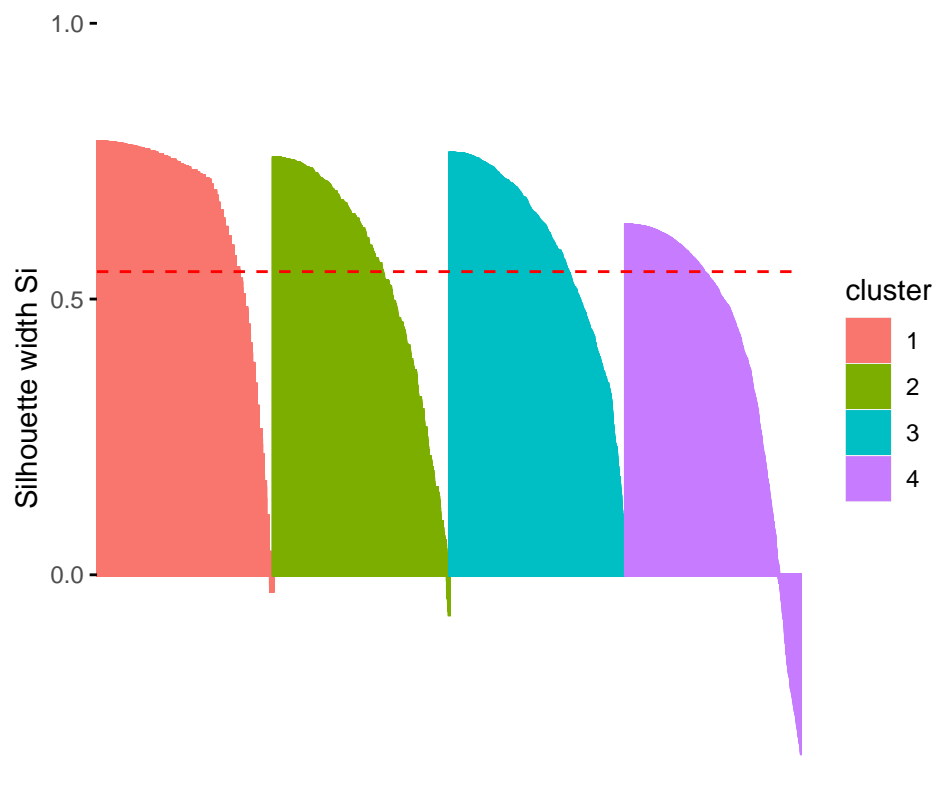
Education Primary

Cutoff Values by Quartile



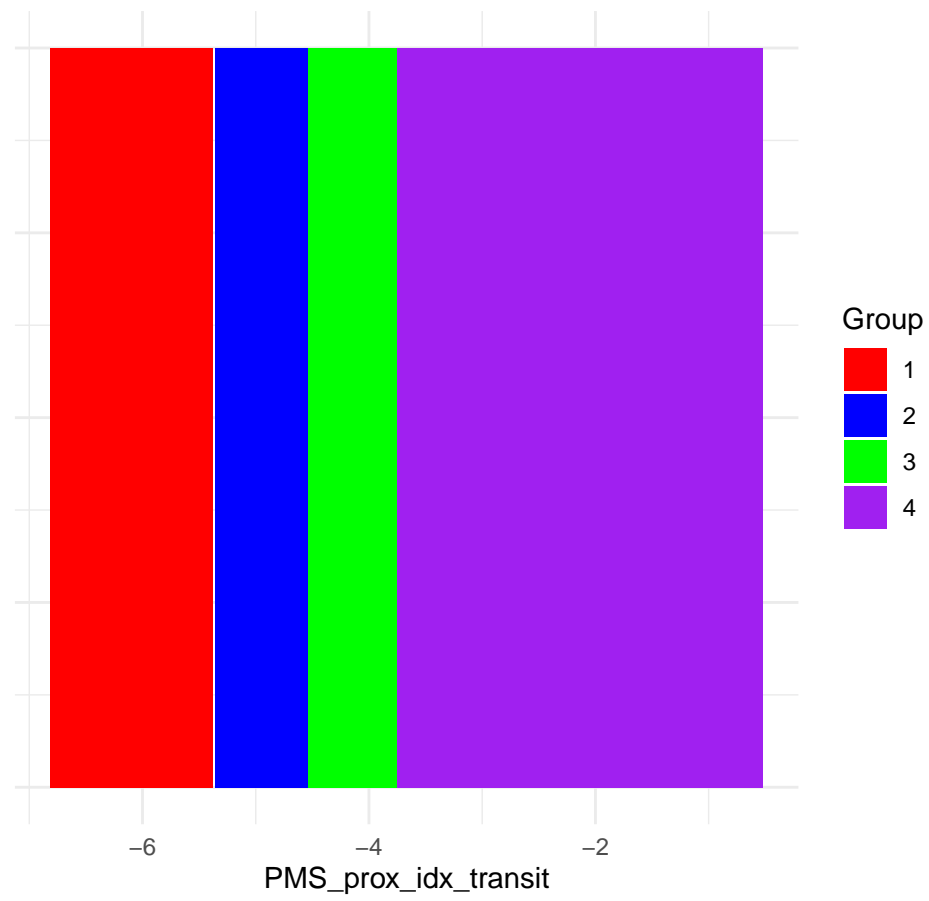
##	cluster	size	ave.sil.width
## 1	1	1673	0.65
## 2	2	1674	0.55
## 3	3	1670	0.59
## 4	4	1673	0.41

Clusters silhouette plot  
Average silhouette width: 0.55



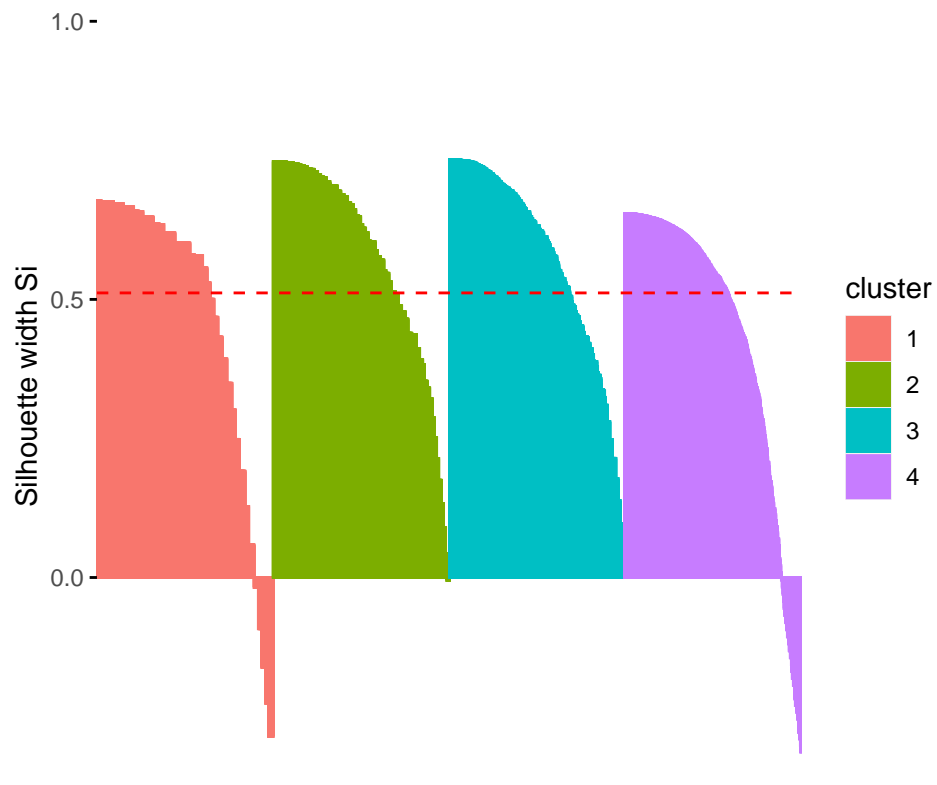
Transit

Cutoff Values by Quartile



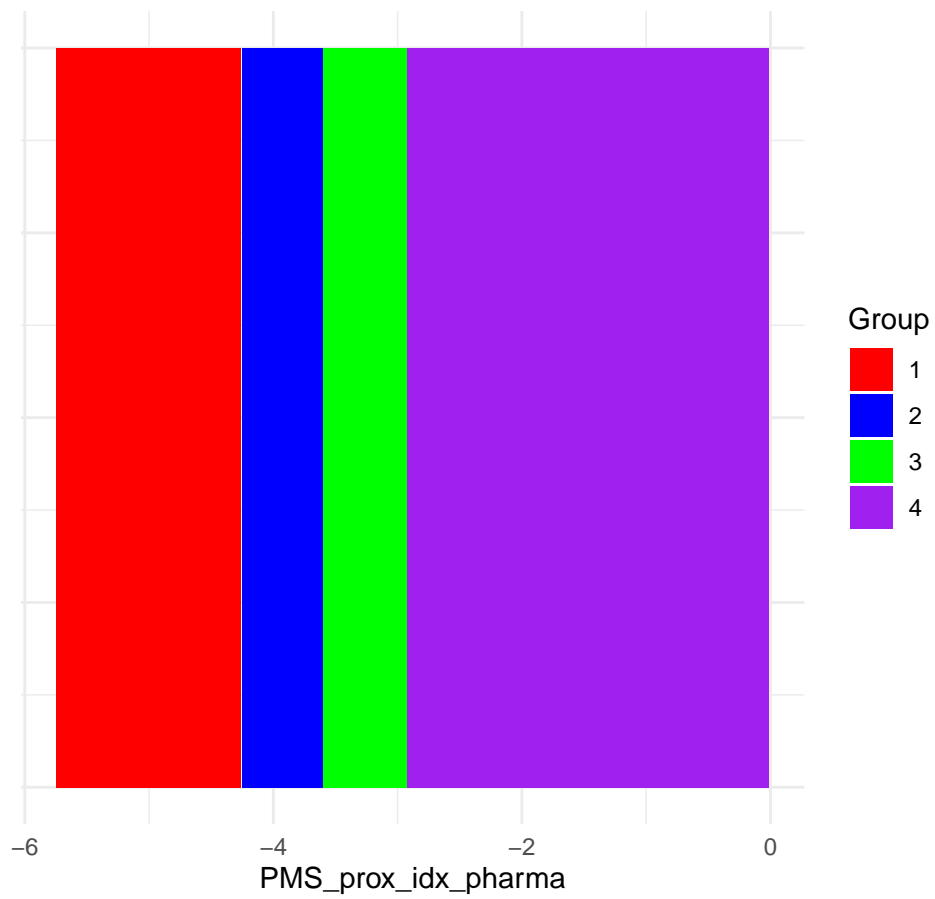
##	cluster	size	ave.sil.width
## 1	1	1330	0.46
## 2	2	1331	0.57
## 3	3	1322	0.57
## 4	4	1335	0.44

Clusters silhouette plot  
Average silhouette width: 0.51



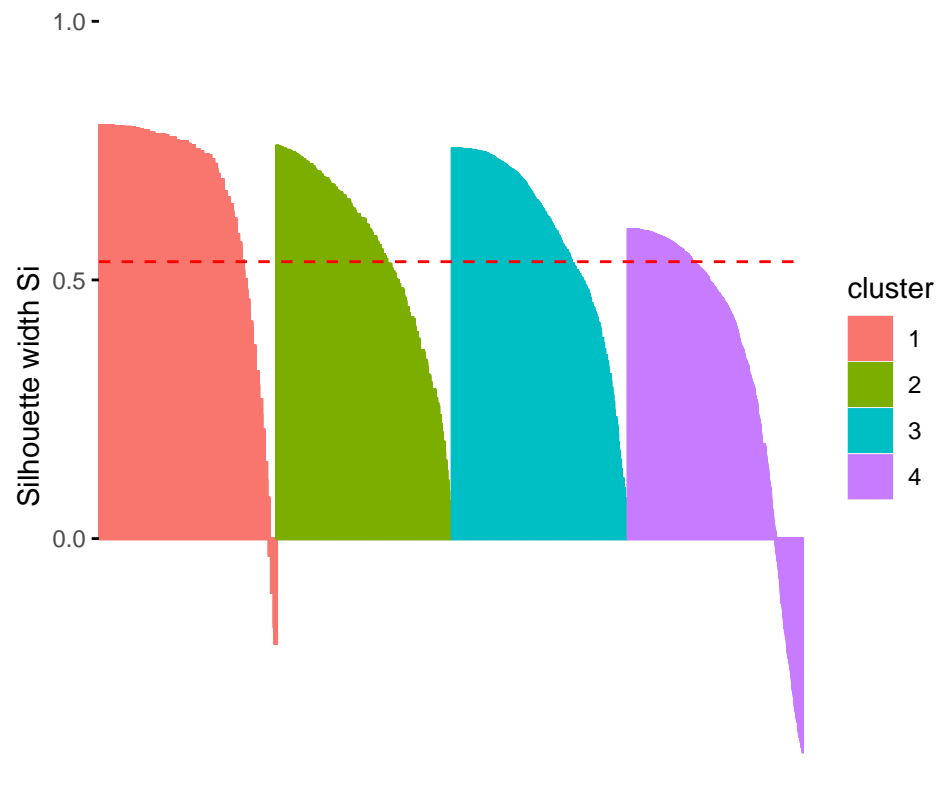
## Pharma

Cutoff Values by Quartile



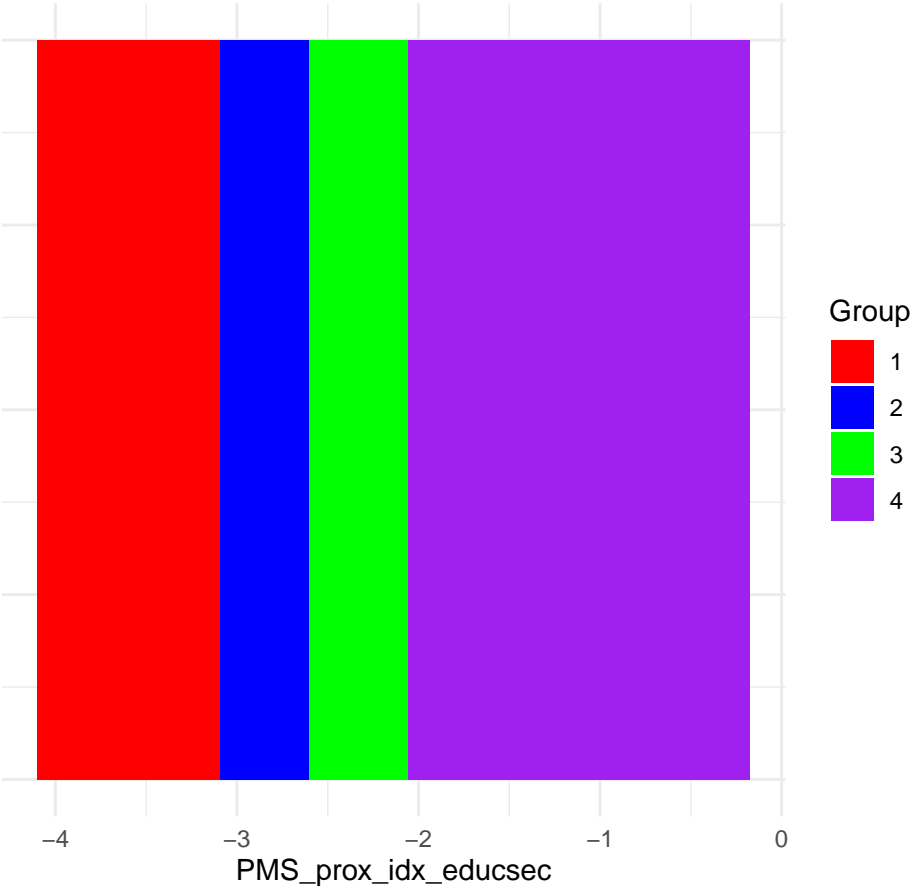
##	cluster	size	ave.sil.width
## 1	1	1319	0.65
## 2	2	1303	0.56
## 3	3	1306	0.58
## 4	4	1302	0.35

Clusters silhouette plot  
Average silhouette width: 0.54



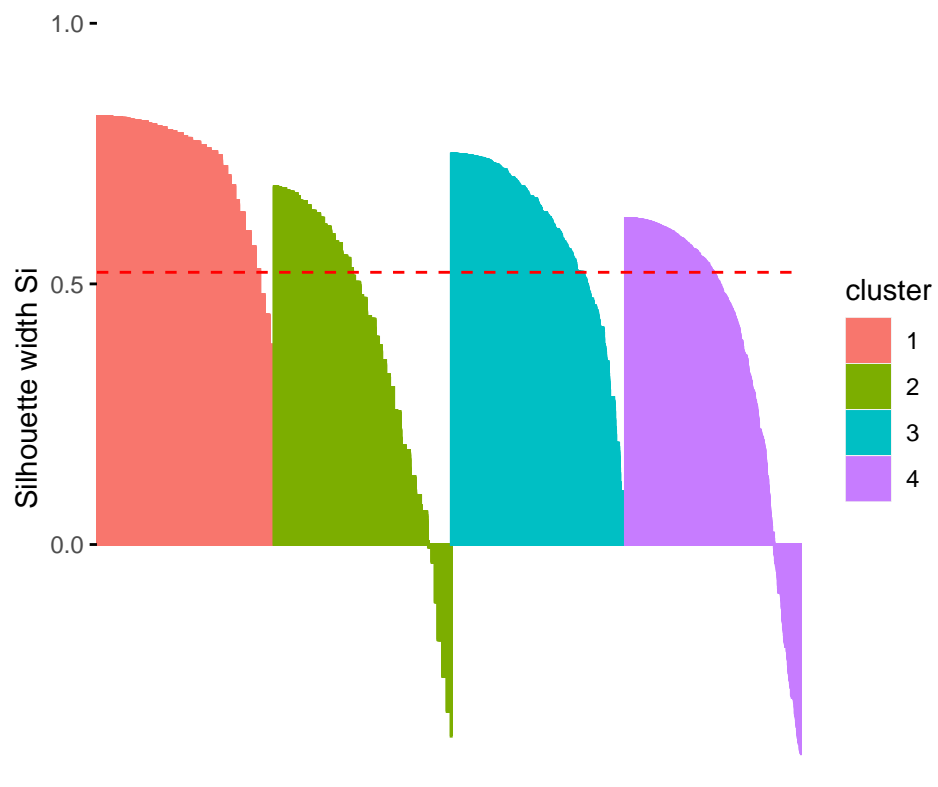
Education Secondary

Cutoff Values by Quartile



##	cluster	size	ave.sil.width
## 1	1	1053	0.73
## 2	2	1053	0.38
## 3	3	1035	0.59
## 4	4	1047	0.38

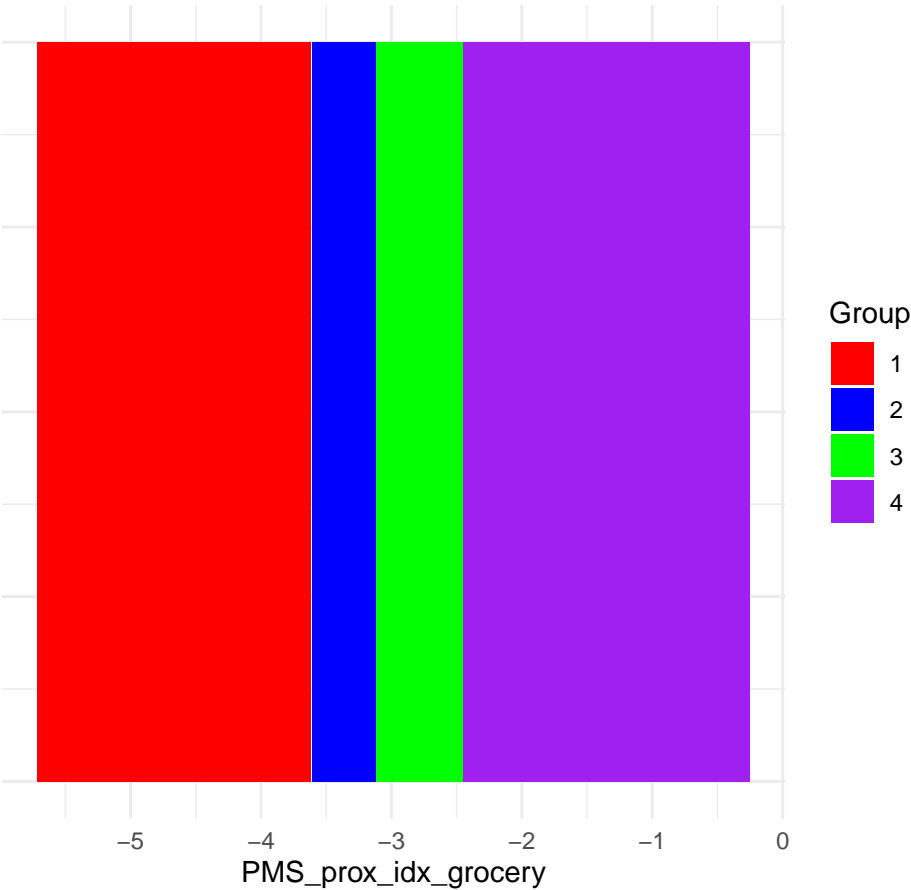
Clusters silhouette plot  
Average silhouette width: 0.52





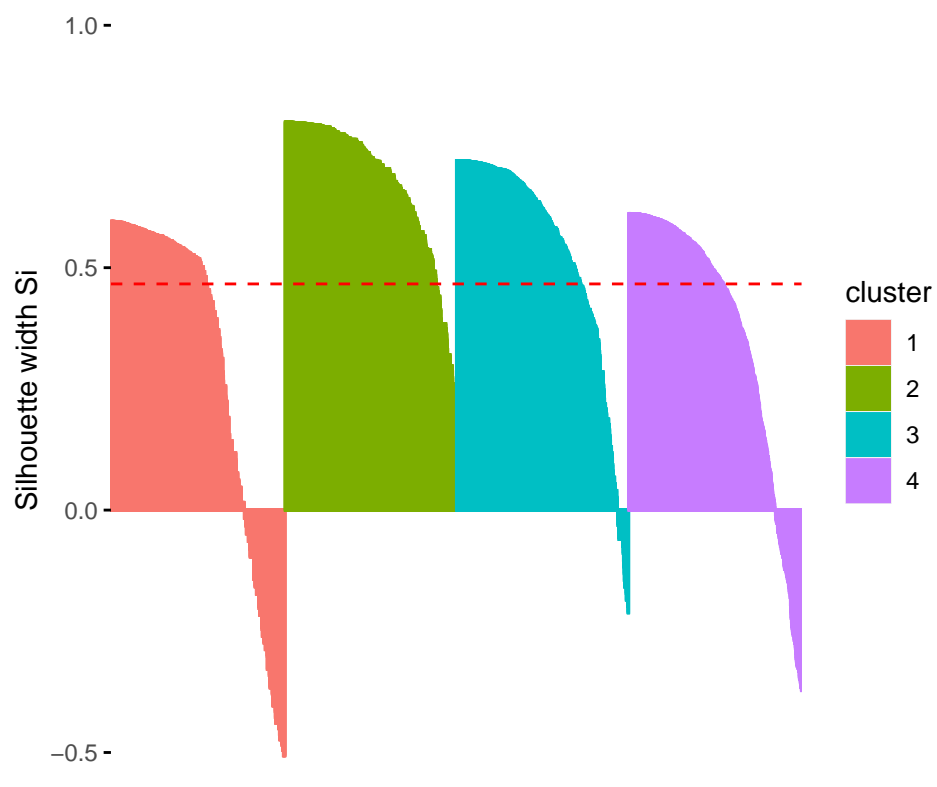
Grocery

Cutoff Values by Quartile



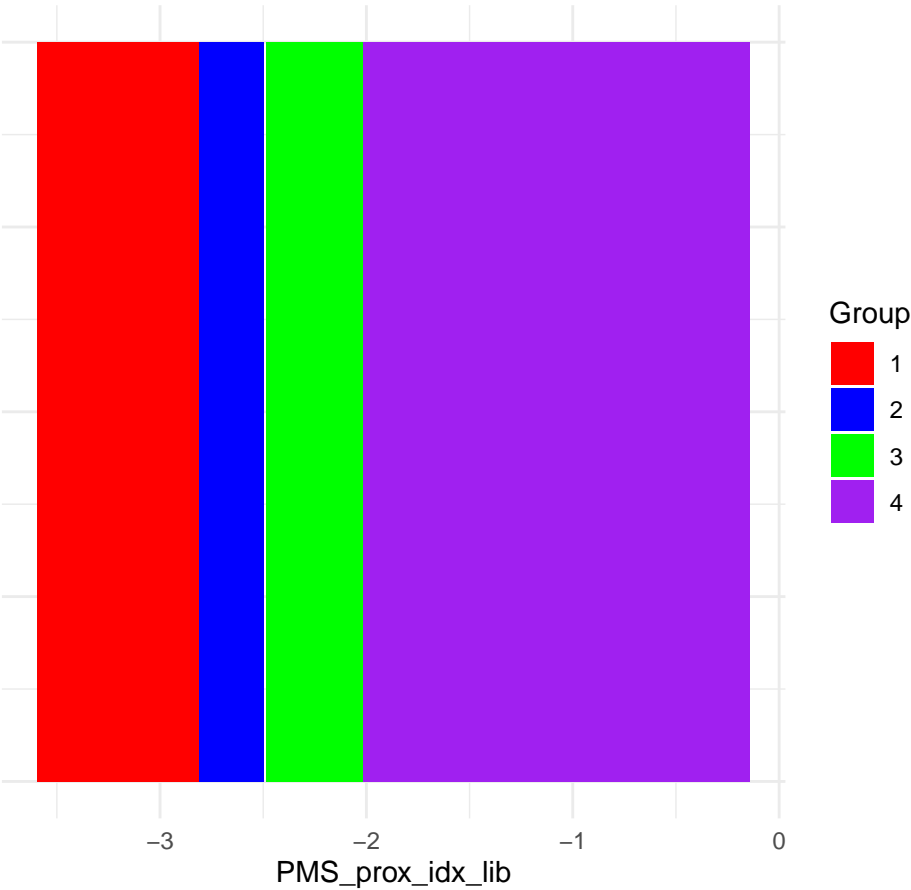
##	cluster	size	ave.sil.width
## 1	1	1057	0.30
## 2	2	1040	0.68
## 3	3	1047	0.52
## 4	4	1049	0.37

Clusters silhouette plot  
Average silhouette width: 0.47



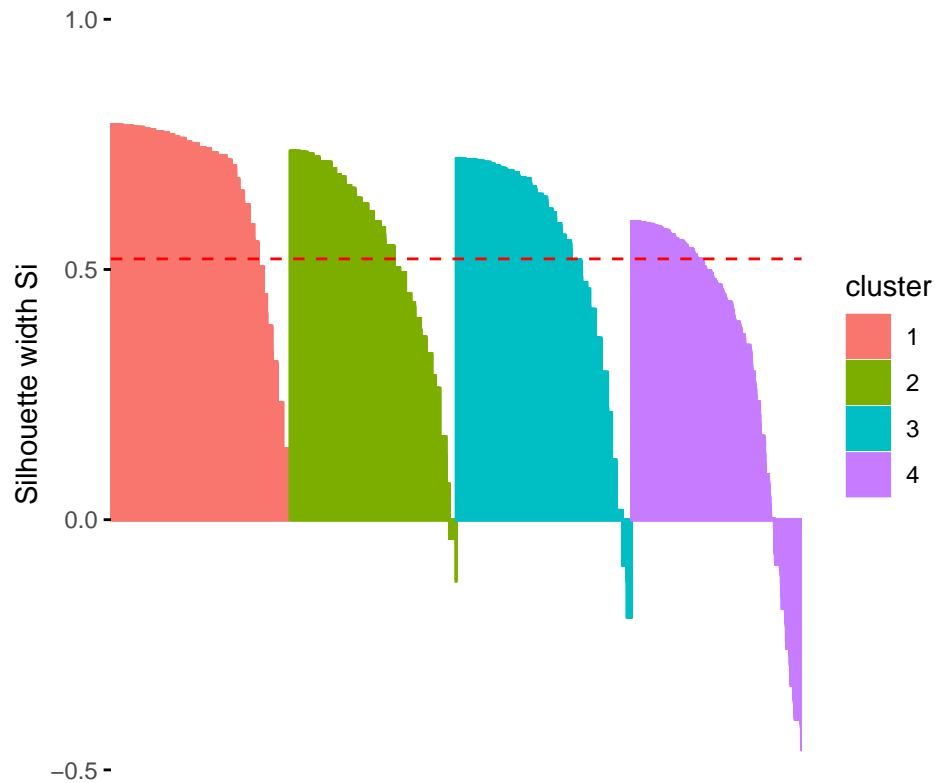
Library

Cutoff Values by Quartile



##	cluster	size	ave.sil.width
## 1	1	853	0.66
## 2	2	791	0.54
## 3	3	835	0.53
## 4	4	810	0.34

# Clusters silhouette plot Average silhouette width: 0.52



## Cut-offs

```
## $PMS_prox_idx_emp
## [1] -6.377127 -4.919881 -3.540459 -0.320343
##
## $PMS_prox_idx_pharma
## [1] -4.26158048 -3.60453831 -2.92062480 -0.01338924
##
## $PMS_prox_idx_childcare
## [1] -3.872802 -3.013896 -2.321768 -0.081427
##
## $PMS_prox_idx_health
## [1] -6.1192979 -5.1328029 -4.1930605 -0.3902317
##
## $PMS_prox_idx_grocery
## [1] -3.6156290 -3.1212955 -2.4522459 -0.2519289
##
## $PMS_prox_idx_educpri
## [1] -3.0098312 -2.4001979 -1.8643302 -0.2927616
##
## $PMS_prox_idx_educsec
## [1] -3.0944482 -2.6050425 -2.0612088 -0.1750679
```

```
##  
## $PMS_prox_idx_lib  
## [1] -2.8100829 -2.4961698 -2.0166546 -0.1421398  
##  
## $PMS_prox_idx_parks  
## [1] -3.6730061 -3.0220762 -2.3957975 -0.1935847  
##  
## $PMS_prox_idx_transit  
## [1] -5.3816990 -4.5469013 -3.7507549 -0.5215496
```