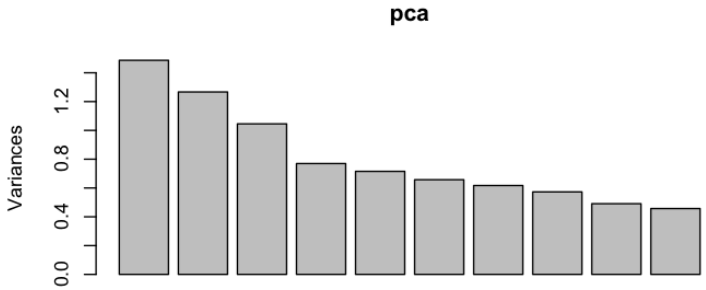
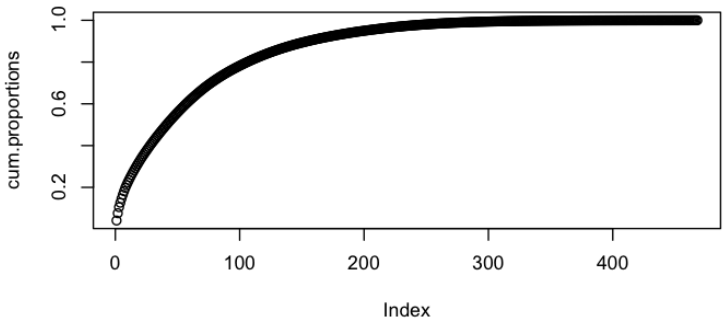
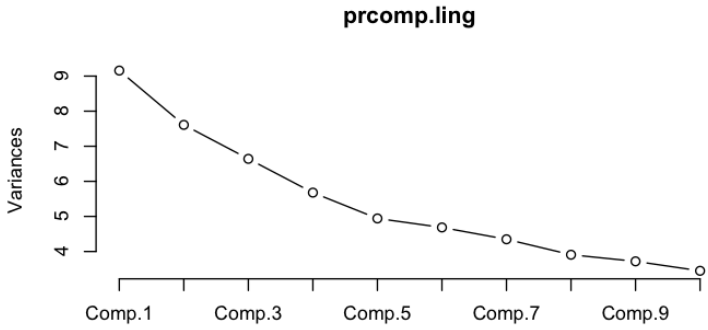
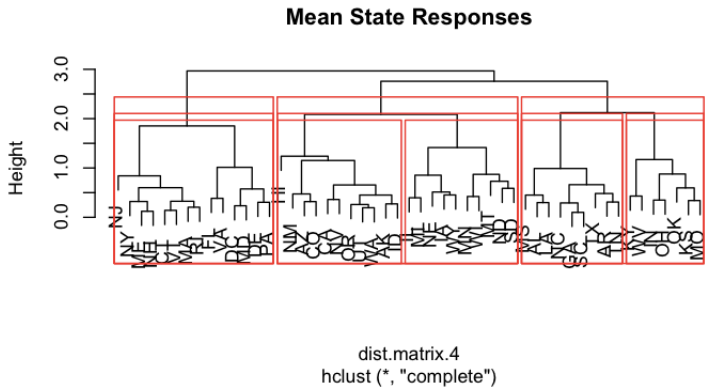
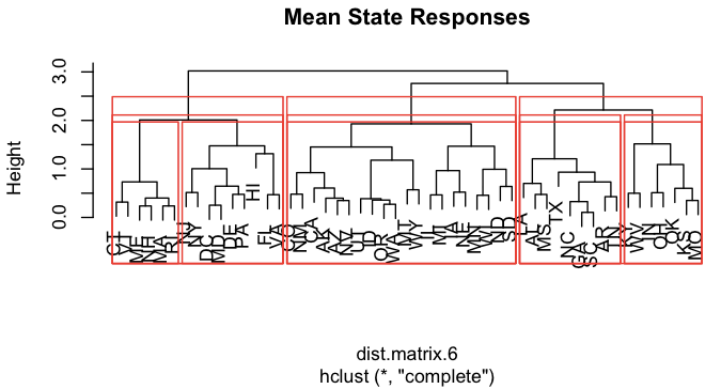
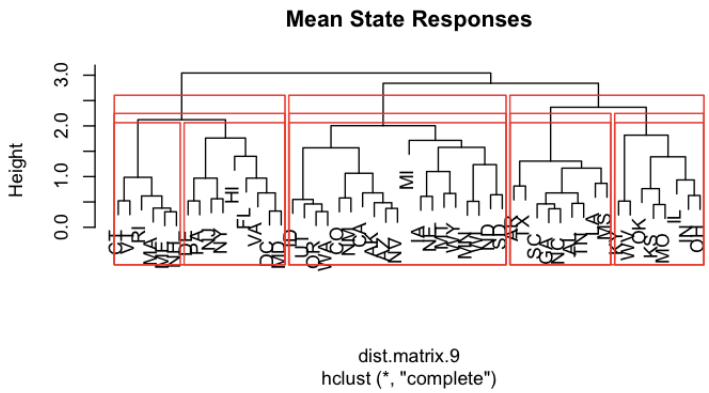

pca
Variances
0.0
0.4
0.8
1.2

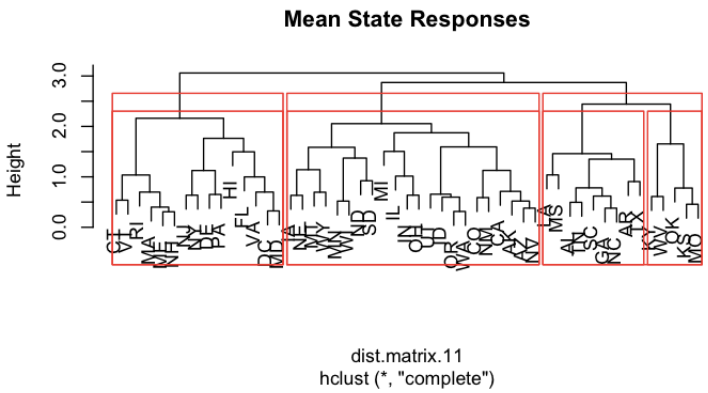

cum.proportions
0.2
0.6
1.0
0
100
200
300
400
Index

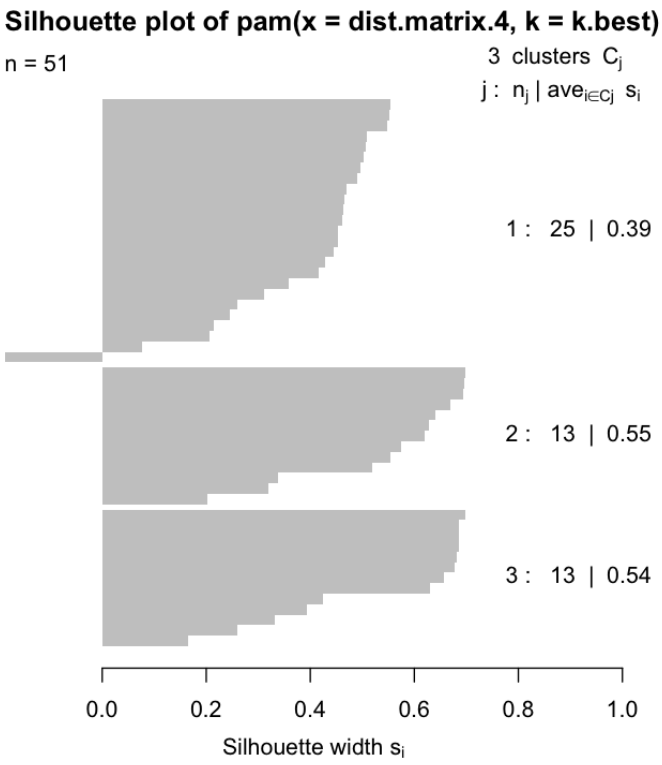

prcomp.ling
Variances
4
5
6
7
8
9
Comp.1
Comp.3
Comp.5
Comp.7
Comp.9

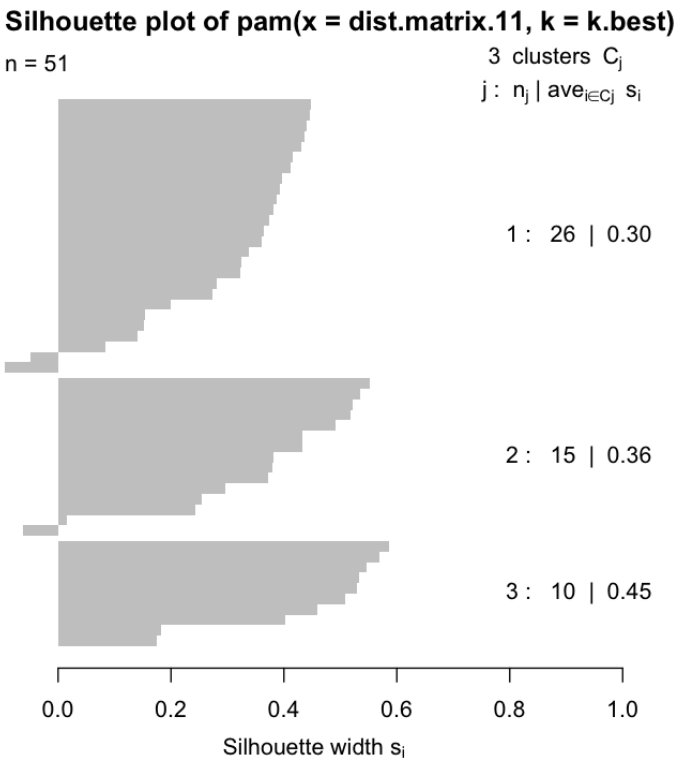

Mean State Responses
Height
0.0
1.0
2.0
3.0
dist.matrix.4
hclust (*, "complete")

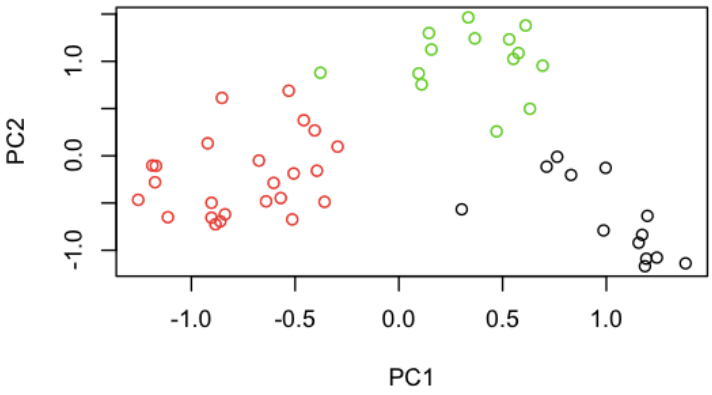

Mean State Responses
Height
0.0
1.0
2.0
3.0
dist.matrix.6
hclust (*, "complete")

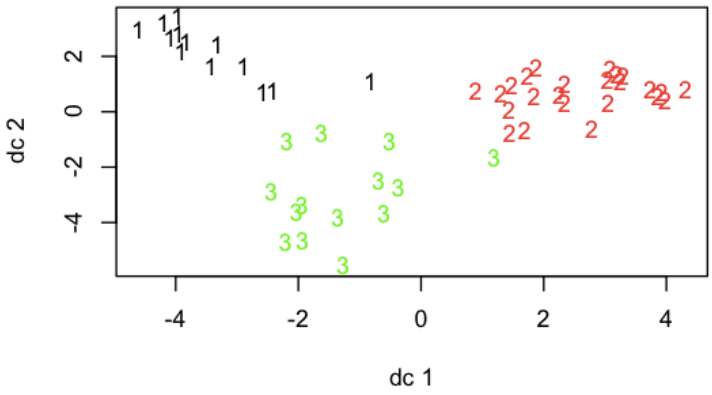

Mean State Responses
Height
0.0
1.0
2.0
3.0
dist.matrix.9
hclust (*, "complete")


Mean State Responses
Height
0.0
1.0
2.0
3.0
dist.matrix.11
hclust (*, "complete")

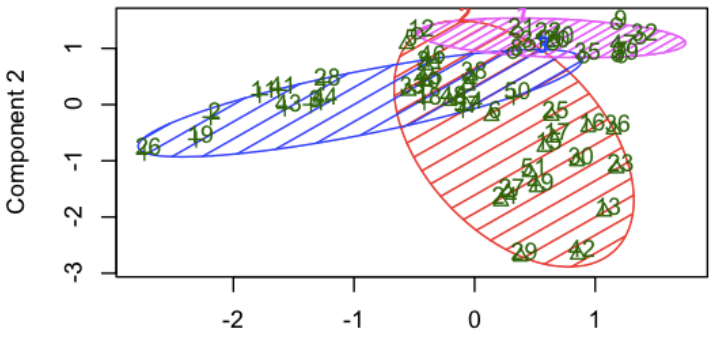

Silhouette plot of pam(x = dist.matrix.4, k = k.best)
n = 51
3 clusters C_j
j : n_j | $ave_{i \in Cj}$ s_i
1 : 25 | 0.39
2 : 13 | 0.55
3 : 13 | 0.54
0.0
0.2
0.4
0.6
0.8
1.0
Silhouette width s_i
Average silhouette width : 0.47


Silhouette plot of pam(x = dist.matrix.11, k = k.best)
n = 51
3 clusters C_j
j : n_j | $ave_{i \in Cj}$ s_i
1 : 26 | 0.30
2 : 15 | 0.36
3 : 10 | 0.45
0.0
0.2
0.4
0.6
0.8
1.0
Silhouette width s_i
Average silhouette width : 0.35



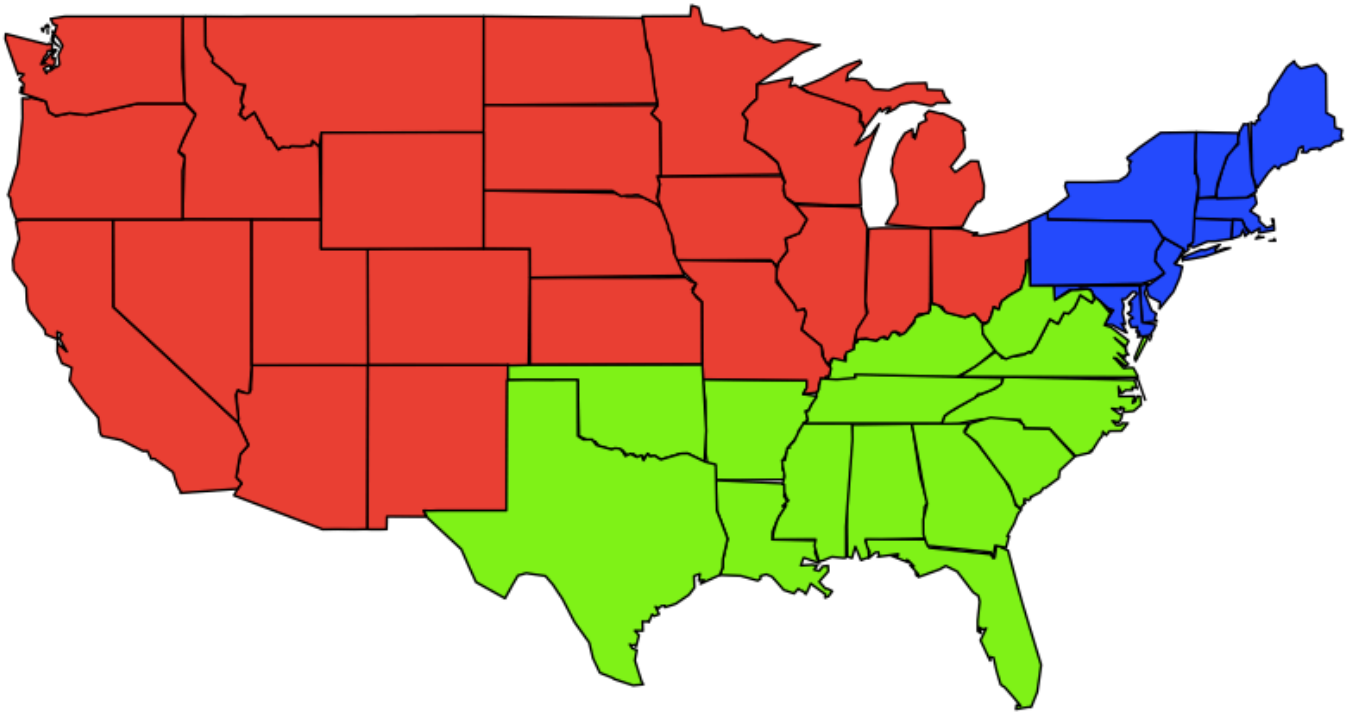


CLUSPLOT(pca.reduced.means.4)

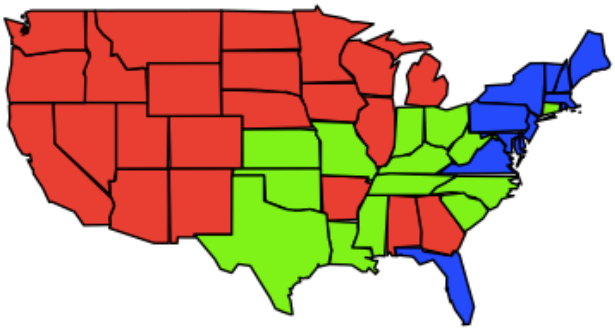


These two components explain 50 % of the point variability.

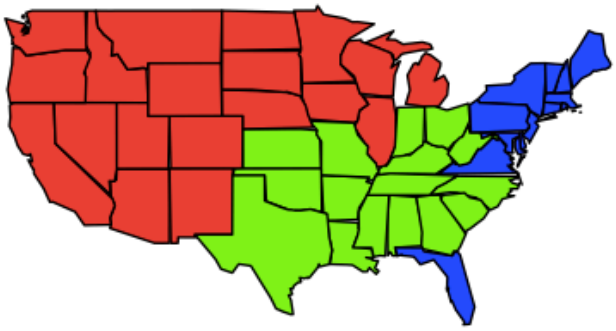
Kmeans clustering: 3 clusters, 4 principal components



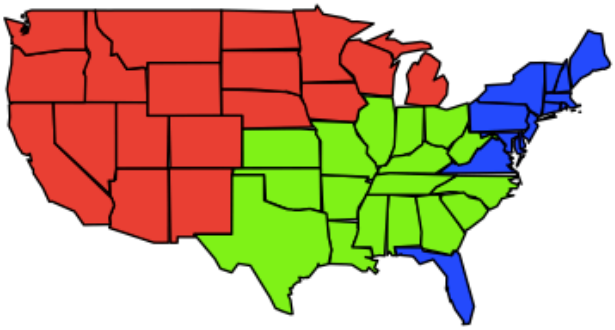
hclust: 3 clusters, 4 pc



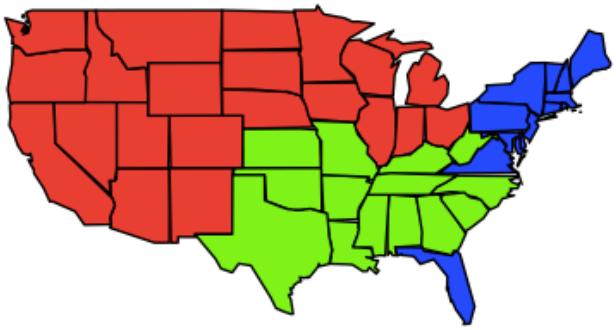
hclust: 3 clusters, 6 pc



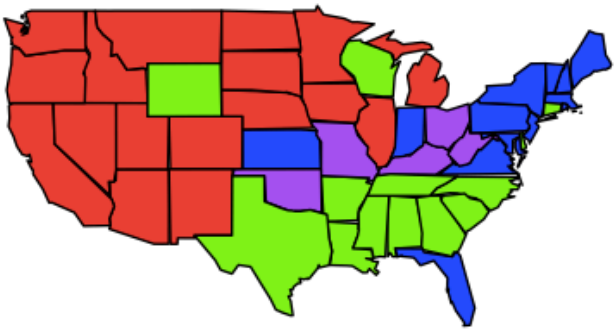
hclust: 3 clusters, 9 pc



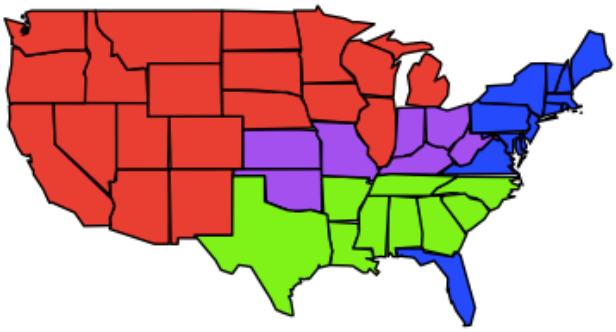
hclust: 3 clusters, 11 pc



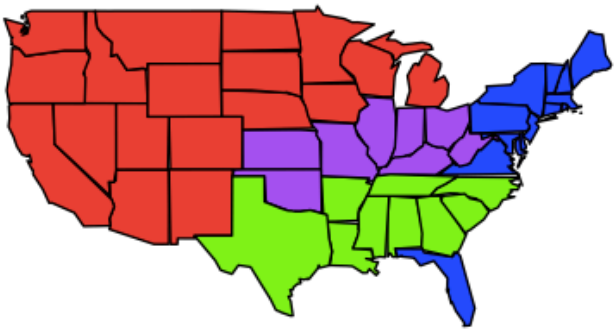
hclust: 4 clusters, 4 pc



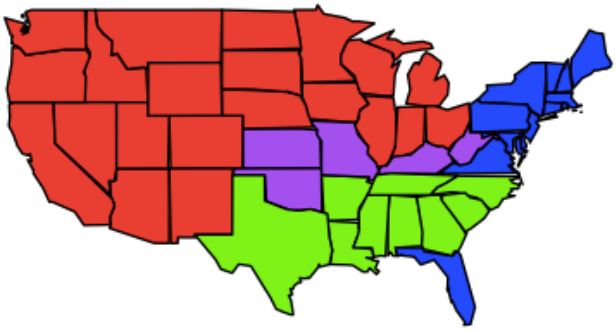
hclust: 4 clusters, 6 pc



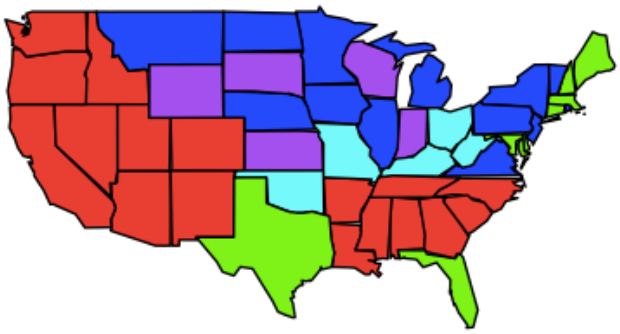
hclust: 4 clusters, 9 pc



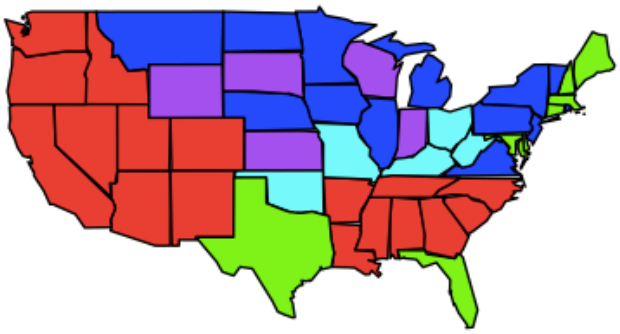
hclust: 4 clusters, 11 pc



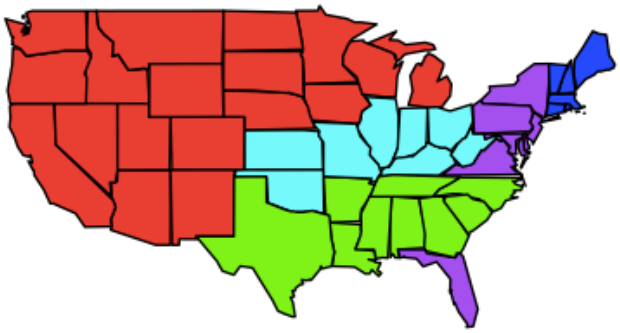
hclust: 5 clusters, 4 pc



hclust: 5 clusters, 6 pc



hclust: 5 clusters, 9 pc



hclust: 5 clusters, 11 pc