Record Report

Summary Report of the Neural Gas Clustering Solution Cluster_practicing

² Solution Summary

3 Call

6

 $stepFlexclust(scale(model.matrix(\sim-1 + Temp.PC1 + Temp.PC2 + Rain.PC1 + Rain.PC2 + Rain.PC3 + Snow.PC1 + Snow.PC2 + Precip.PC1 + Precip.PC2 + Precip.PC4 + Growing.Season.Length + LastWinterFreezeDiff + FirstWinterFreezeDiff, the.data)), k = 10, nrep = 10, FUN = cclust, dist = "euclidean", method = "neuralgas")$

Cluster Information:

Cluster	Size	Ave Distance	Max Distance	Separation
1	98	1.801913	4.027797	3.186072
2	186	1.782537	3.212621	1.521934
3	228	1.799677	3.691325	1.464763
4	164	2.132014	6.797053	1.911431
5	404	1.822241	7.181443	1.687549
6	330	1.898682	9.13003	1.523934
7	190	1.54589	2.609925	1,407211
8	96	2.365743	7.964589	3.77176
9	232	1.582571	2.725703	1.619462
10	198	2.085095	4.46916	1.95896

No convergence after 201 iterations.

Sum of within cluster distances: 3931,7022.

	Temp.PC1	Temp.PC2	Rain.PC1	Rain.PC2	Rain.PC3	Snow.PC1 Snow.PC2
1	-1.931178	1.166585	0.420589	1.158593	2.4222	-0.972169 -0.128615
2	-1.088467	0.069492	1.107272	-0.717857	1.471477	-0.910661 -0.025429
3	1.141339	-0.835227	-0.563068	1.238524	0.115924	0.995728 -1.578654
4	0.886222	0.519003	-1.88256	-0.322561	-0.087713	-0.06065 -0.914823
5	0.885102	0.183428	0.097037	0.406981	-0.130168	1.264408 0.891635
6	-0.259598	0.197544	0.677189	-0.838404	0.065333	-0.571386 0.149559
7	0.109231	-0.959204	0.113029	1.002408	-0.911688	0.137132 -0.424856
8	-0.496633	2.4255	-1.530127	-2.168699	0.191472	-0.955108 -0.153054
9	-0.040888	-0.37793	0.816723	-0.17194	-1.278102	-0.158969 0.867812
10	-1.293511	-0.702696	-0.665813	-0.205143	-0.201277	-0.882353 0.008028
	Precip.PC1	Precip.PC2 I	Precip.PC4 (Growing.Season.Length	LastWinterFreezeDiff	FirstWinterFreezeDiff
1	0.188161	1.778062	-0.383271	2.21821	-2.127044	2.547032
2	0.949134	-0.371647	-0.33646	0.863342	-0.843612	0.776006
3	-0.456332	1.137104	-0.233887	-0.876369	0.788676	-0.885792
4	-1.867393	-0.31712	0.166904	-0.931456	1.148842	-0.960821
5	0.340298	-0.009298	0.134062	-0.748056	0.747986	-0.636811
6	0.597428	-0.771991	0.524116	0.052943	-0.057211	0.072639
7	0.089549	1.019584	-0.348513	-0.315937	0.11198	-0.375166
8	-1.607254	-2.01405	-1.001932	1.917522	-1.654163	1.583593
9	0.804749	-0.250805	-0.829382	-0.238268	0.076338	-0.178362
10	-0.833819	0.025996	1.141467	0.994732	-0.851701	0.850019

⁸ Plots

