

CHAPTER 2: CLUSTER ANALYSIS

Output from analysis of educational circumstances data

Single Linkage

Agglomeration Schedule

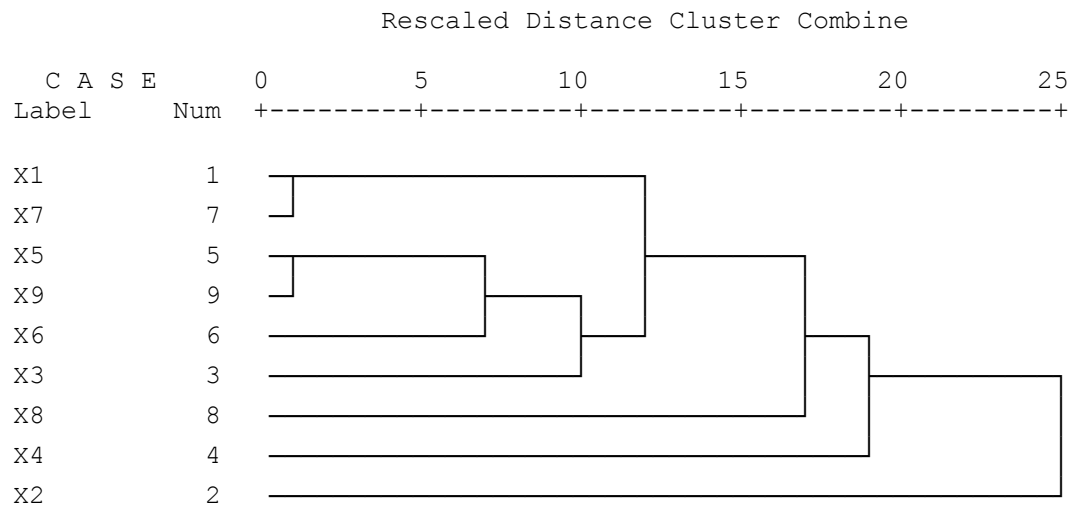
Stage	Cluster Combined		Coefficients	Stage Cluster First Appears		Next Stage
	Cluster 1	Cluster 2		Cluster 1	Cluster 2	
1	1	7	.770	0	0	5
2	5	9	.758	0	0	3
3	5	6	.613	2	0	4
4	3	5	.556	0	3	5
5	1	3	.501	1	4	6
6	1	8	.382	5	0	7
7	1	4	.339	6	0	8
8	1	2	.184	7	0	0

Vertical Icicle

Number of clusters	Case															
	X2		X4		X8		X9		X9		X5		X3		X7	X1
1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
2	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
3	X		X		X	X	X	X	X	X	X	X	X	X	X	X
4	X		X		X		X	X	X	X	X	X	X	X	X	X
5	X		X		X		X	X	X	X	X	X		X	X	X
6	X		X		X		X	X	X	X	X		X	X	X	X
7	X		X		X		X		X	X	X		X	X	X	X
8	X		X		X		X		X		X		X	X	X	X

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Dendrogram using Single Linkage



Complete Linkage

Agglomeration Schedule

Stage	Cluster Combined		Coefficients	Stage Cluster First Appears		Next Stage
	Cluster 1	Cluster 2		Cluster 1	Cluster 2	
1	1	7	.770	0	0	4
2	5	9	.758	0	0	3
3	5	6	.572	2	0	4
4	1	5	.388	1	3	5
5	1	3	.305	4	0	6
6	1	4	.193	5	0	7
7	1	8	.128	6	0	8
8	1	2	-5.000E-02	7	0	0

Vertical Icicle

Number of clusters	Case																
	X2		X8		X4		X3		X6		X9		X5		X7		X1
1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
2	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
3	X		X		X	X	X	X	X	X	X	X	X	X	X	X	X
4	X		X		X		X	X	X	X	X	X	X	X	X	X	X
5	X		X		X		X		X	X	X	X	X	X	X	X	X
6	X		X		X		X		X	X	X	X	X		X	X	X
7	X		X		X		X		X		X	X	X		X	X	X
8	X		X		X		X		X		X		X		X	X	X

* * * * * H I E R A R C H I C A L C L U S T E R A N A L Y S I S * * *

Dendrogram using Complete Linkage

