

Hijerarhijska

```
CLUSTER   X1 X2 X3
/METHOD SINGLE
/MEASURE=MINKOWSKI (1)
/ID=Objekti
/PRINT SCHEDULE
/PRINT DISTANCE
/PLOT DENDROGRAM VICICLE.
```

Cluster

Notes		
Output Created		15-JUN-2013 20:02:29
Comments		
Input	Data	C:\Users\Gane\Documents\Casovi\LINS\Novembar 2009.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	5
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.

Syntax		CLUSTER X1 X2 X3 /METHOD SINGLE /MEASURE=MINKOWSKI(1) /ID=Objekti /PRINT SCHEDULE /PRINT DISTANCE /PLOT DENDROGRAM VICICLE.
Resources	Processor Time	00:00:00.62
	Elapsed Time	00:00:00.95

[DataSet1] C:\Users\Gane\Documents\Casovi\LINS\Novembar 2009.sav

Case Processing Summary ^a					
Cases					
Valid		Missing		Total	
N	Percent	N	Percent	N	Percent
5	100.0	0	.0	5	100.0

a. Single Linkage

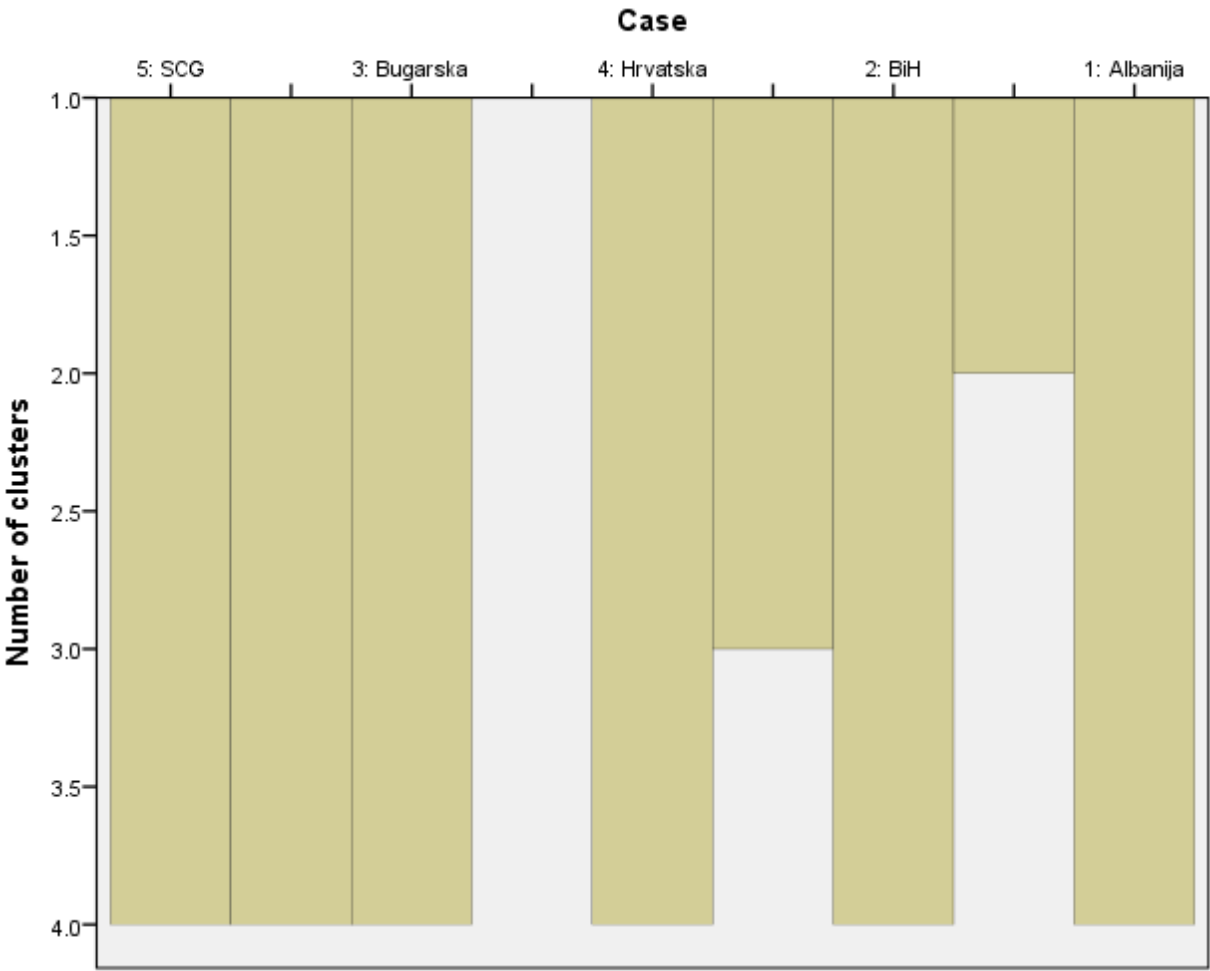
Proximity Matrix					
Case	Minkowski (1) Distance				
	1:Albanija	2:BiH	3:Bugarska	4:Hrvatska	5:SCG
1:Albanija	.000	3.800	9.200	7.200	9.500
2:BiH	3.800	.000	6.800	3.400	5.700
3:Bugarska	9.200	6.800	.000	5.800	2.700
4:Hrvatska	7.200	3.400	5.800	.000	6.100
5:SCG	9.500	5.700	2.700	6.100	.000

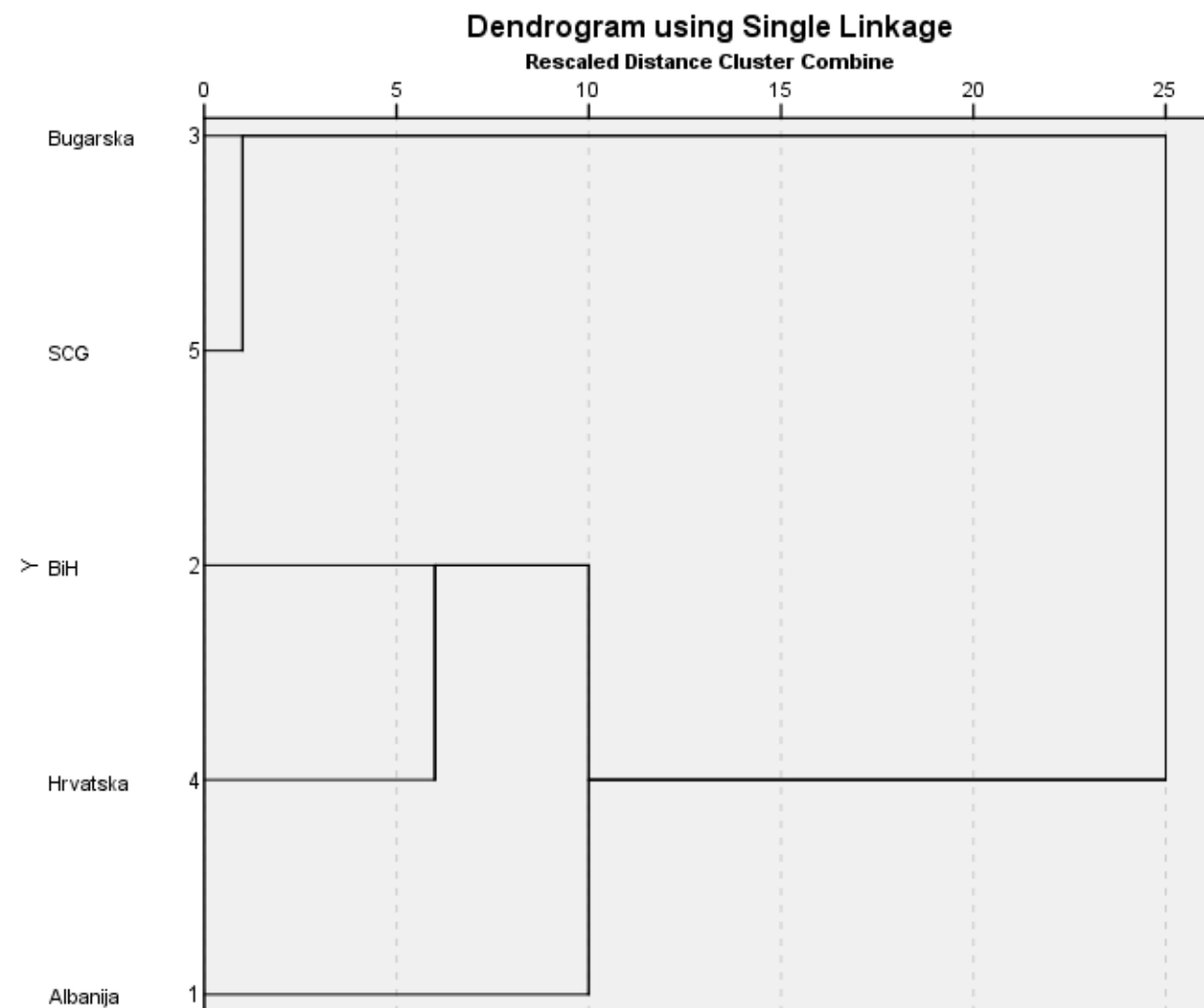
This is a dissimilarity matrix

Single Linkage

Agglomeration Schedule

Stage	Cluster Combined		Coefficients	Stage Cluster First Appears		Next Stage
	Cluster 1	Cluster 2		Cluster 1	Cluster 2	
1	3	5	2.700	0	0	4
2	2	4	3.400	0	0	3
3	1	2	3.800	0	2	4
4	1	3	5.700	3	1	0





Nehijerarhijska

```
QUICK CLUSTER X1 X2 X3
/MISSING=LISTWISE
/CRITERIA=CLUSTER(3) MXITER(10) CONVERGE(0)
/METHOD=KMEANS(NOUPDATE)
/PRINT ID(Objekti) INITIAL.
```

Quick Cluster

Notes		
Output Created		15-JUN-2013 20:03:56
Comments		
Input	Data	C:\Users\Gane\Documents\Casovi\LINS\Novembar 2009.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
Missing Value Handling	N of Rows in Working Data File	5
	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any clustering variable used.
Syntax		QUICK CLUSTER X1 X2 X3 /MISSING=LISTWISE /CRITERIA=CLUSTER(3) MXITER(10) CONVERGE(0)
		/METHOD=KMEANS(NOUPDATE)
		/PRINT ID(Objekti) INITIAL.
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.02
	Workspace Required	664 bytes

[DataSet1] C:\Users\Gane\Documents\Casovi\LINS\Novembar 2009.sav

Initial Cluster Centers

	Cluster		
	1	2	3
X1	3.20	4.40	8.60
X2	2.70	6.50	5.80
X3	6.00	3.80	5.00

Iteration History^a

Iteration	Change in Cluster Centers		
	1	2	3
1	1.145	.000	.802
2	.000	.000	.000

- a. Convergence achieved due to no or small change in cluster centers. The maximum absolute coordinate change for any center is .000. The current iteration is 2. The minimum distance between initial centers is 4.424.

Final Cluster Centers

	Cluster		
	1	2	3
X1	3.70	4.40	8.20
X2	3.60	6.50	6.40
X3	5.50	3.80	5.35

Number of Cases in each Cluster

	1	2.000
Cluster	2	1.000
	3	2.000
Valid		5.000
Missing		.000