

## Cercania Rede Informal

### CLOSENESS CENTRALITY

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Input dataset: C:\Users\Helena  
 Arco\Documents\Doutoramento\Doutoramento\Projecto\Dados Tese\Matri zes Uci net\R  
 Informal\Rede Informal final codi ficada  
 Method: Geodesic paths only (Freeman Closeness)  
 Output dataset: C:\Users\Helena  
 Arco\Documents\Doutoramento\Doutoramento\Projecto\Dados Tese\Matri zes  
 Uci net\Closeness

Note: Data not symmetric, therefore separate in-closeness & out-closeness computed.

The network is not connected. Technically, closeness centrality cannot be computed, as there are infinite distances.

### Closeness Centrality Measures

		1	2	3	4
		inFarness	outFarness	inCloseness	outCloseness
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12	OE	11.000	25.000	100.000	44.000
8	OS8	18.000	34.000	61.111	32.353
9	OS9	18.000	28.000	61.111	39.286
5	OS5	19.000	28.000	57.895	39.286
2	OS2	19.000	30.000	57.895	36.667
11	OS11	19.000	34.000	57.895	32.353
1	OS1	20.000	31.000	55.000	35.484
4	OS4	20.000	29.000	55.000	37.931
7	OS7	23.000	23.000	47.826	47.826
10	OS10	23.000	33.000	47.826	33.333
6	OS6	24.000	27.000	45.833	40.741
3	OS3	132.000	24.000	8.333	45.833

### Statistics

		1	2	3	4
		inFarness	outFarness	inCloseness	outCloseness
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1	Mean	28.833	28.833	54.644	38.758
2	Std Dev	31.270	3.578	19.339	4.929
3	Sum	346.000	346.000	655.725	465.092
4	Variance	977.806	12.806	374.004	24.293
5	SSQ	21710.000	10130.000	40319.344	18317.422
6	MCSSQ	11733.667	153.667	4488.042	291.511
7	Euc Norm	147.343	100.648	200.797	135.342
8	Minimum	11.000	23.000	8.333	32.353
9	Maximum	132.000	34.000	100.000	47.826

Network centralization not computed for unconnected graphs  
 Output actor-by-centrality measure matrix saved as dataset C:\Users\Helena  
 Arco\Documents\Doutoramento\Doutoramento\Projecto\Dados Tese\Matri zes  
 Uci net\Closeness

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Running time: 00:00:01  
 Output generated: 18 Jan 10 14:18:12  
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