

CLOSENESS CENTRALITY

Input dataset: Q5F2 (C:\Users\Sota\Desktop\Questionario Fase 2
 Sota\Q5\Q5F2)
 Method: Geodesic paths only (Freeman Closeness)
 Output dataset: Q5F2-clo (C:\Users\Sota\Documents\UCINET data\Q5F2-clo)

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

Closeness Centrality Measures

| | | 1 | 2 | 3 | 4 |
|----|------|-----------|------------|-------------|--------------|
| | | inFarness | outFarness | inCloseness | outCloseness |
| 6 | E1 | 43.000 | 63.000 | 93.023 | 63.492 |
| 23 | OT6 | 48.000 | 45.000 | 83.333 | 88.889 |
| 9 | E4 | 50.000 | 61.000 | 80.000 | 65.574 |
| 12 | E7 | 51.000 | 48.000 | 78.431 | 83.333 |
| 15 | E10 | 51.000 | 64.000 | 78.431 | 62.500 |
| 1 | M1 | 51.000 | 40.000 | 78.431 | 100.000 |
| 24 | OT7 | 51.000 | 61.000 | 78.431 | 65.574 |
| 8 | E3 | 51.000 | 67.000 | 78.431 | 59.701 |
| 16 | E11 | 52.000 | 51.000 | 76.923 | 78.431 |
| 14 | E14 | 53.000 | 66.000 | 75.472 | 60.606 |
| 13 | E9 | 53.000 | 41.000 | 75.472 | 97.561 |
| 28 | A1 | 53.000 | 40.000 | 75.472 | 100.000 |
| 3 | M3 | 53.000 | 61.000 | 75.472 | 65.574 |
| 20 | OT3 | 54.000 | 40.000 | 74.074 | 100.000 |
| 25 | OT8 | 54.000 | 67.000 | 74.074 | 59.701 |
| 21 | OT4 | 54.000 | 61.000 | 74.074 | 65.574 |
| 27 | OT10 | 55.000 | 59.000 | 72.727 | 67.797 |
| 11 | E6 | 55.000 | 41.000 | 72.727 | 97.561 |
| 22 | OT5 | 56.000 | 66.000 | 71.429 | 60.606 |
| 26 | OT9 | 56.000 | 52.000 | 71.429 | 76.923 |
| 37 | A10 | 56.000 | 62.000 | 71.429 | 64.516 |
| 29 | A2 | 57.000 | 40.000 | 70.175 | 100.000 |
| 10 | E5 | 58.000 | 56.000 | 68.966 | 71.429 |
| 33 | A6 | 58.000 | 73.000 | 68.966 | 54.795 |

| | | | | | |
|----|-----|--------|--------|--------|---------|
| 30 | A3 | 59.000 | 40.000 | 67.797 | 100.000 |
| 2 | M2 | 59.000 | 75.000 | 67.797 | 53.333 |
| 36 | A9 | 59.000 | 45.000 | 67.797 | 88.889 |
| 19 | OT2 | 59.000 | 75.000 | 67.797 | 53.333 |
| 40 | A14 | 59.000 | 59.000 | 67.797 | 67.797 |
| 39 | A12 | 60.000 | 46.000 | 66.667 | 86.957 |
| 35 | A8 | 60.000 | 42.000 | 66.667 | 95.238 |
| 41 | A15 | 60.000 | 67.000 | 66.667 | 59.701 |
| 7 | E2 | 61.000 | 61.000 | 65.574 | 65.574 |
| 17 | E12 | 61.000 | 66.000 | 65.574 | 60.606 |
| 32 | A5 | 62.000 | 73.000 | 64.516 | 54.795 |
| 34 | A7 | 62.000 | 47.000 | 64.516 | 85.106 |
| 38 | A11 | 63.000 | 42.000 | 63.492 | 95.238 |
| 31 | A4 | 63.000 | 40.000 | 63.492 | 100.000 |
| 4 | M4 | 64.000 | 75.000 | 62.500 | 53.333 |
| 18 | OT1 | 70.000 | 76.000 | 57.143 | 52.632 |
| 5 | M5 | 70.000 | 70.000 | 57.143 | 57.143 |

Statistics

| | | 1 | 2 | 3 | 4 |
|----|----------|------------|------------|---------------|---------------|
| | | i nFarness | outFarness | i nCl oseness | outCl oseness |
| 1 | Mean | 56.683 | 56.683 | 71.227 | 74.142 |
| 2 | Std Dev | 5.452 | 12.196 | 6.933 | 16.820 |
| 3 | Sum | 2324.000 | 2324.000 | 2920.325 | 3039.812 |
| 4 | Variance | 29.729 | 148.753 | 48.065 | 282.925 |
| 5 | SSQ | 132950.000 | 137830.000 | 209977.938 | 236976.875 |
| 6 | MCSSQ | 1218.878 | 6098.878 | 1970.674 | 11599.938 |
| 7 | Euc Norm | 364.623 | 371.255 | 458.233 | 486.803 |
| 8 | Minimum | 43.000 | 40.000 | 57.143 | 52.632 |
| 9 | Maximum | 70.000 | 76.000 | 93.023 | 100.000 |
| 10 | N of Obs | 41.000 | 41.000 | 41.000 | 41.000 |

Network i n-Centralization = 45.25%
 Network out-Centralization = 53.69%

Output actor-by-centrality measure matrix saved as dataset Q5F2-cl o
 (C:\Users\Sota\Documents\UCINET data\Q5F2-cl o)

Running time: 00:00:01
Output generated: 16 Set 12 15:10:12
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