

CLOSENESS CENTRALITY

Input dataset: Q2F2 (C:\Users\Sota\Desktop\Questionario Fase 2
 Sota\Q2\Q2F2)
 Method: Geodesic paths only (Freeman Closeness)
 Output dataset: Q2F2-clo (C:\Users\Sota\Documents\UCINET data\Q2F2-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 | 44.000 | 72.000 | 90.909 | 55.556 |
| 15 | E10 | 58.000 | 99.000 | 68.966 | 40.404 |
| 23 | OT6 | 59.000 | 80.000 | 67.797 | 50.000 |
| 12 | E7 | 60.000 | 73.000 | 66.667 | 54.795 |
| 9 | E4 | 60.000 | 67.000 | 66.667 | 59.701 |
| 11 | E6 | 60.000 | 66.000 | 66.667 | 60.606 |
| 8 | E3 | 60.000 | 110.000 | 66.667 | 36.364 |
| 1 | M1 | 62.000 | 88.000 | 64.516 | 45.455 |
| 7 | E2 | 63.000 | 46.000 | 63.492 | 86.957 |
| 10 | E5 | 64.000 | 68.000 | 62.500 | 58.824 |
| 24 | OT7 | 64.000 | 66.000 | 62.500 | 60.606 |
| 41 | A15 | 65.000 | 72.000 | 61.538 | 55.556 |
| 13 | E9 | 65.000 | 71.000 | 61.538 | 56.338 |
| 3 | M3 | 65.000 | 75.000 | 61.538 | 53.333 |
| 36 | A9 | 66.000 | 47.000 | 60.606 | 85.106 |
| 32 | A5 | 66.000 | 63.000 | 60.606 | 63.492 |
| 17 | E12 | 67.000 | 68.000 | 59.701 | 58.824 |
| 27 | OT10 | 67.000 | 83.000 | 59.701 | 48.193 |
| 21 | OT4 | 67.000 | 75.000 | 59.701 | 53.333 |
| 19 | OT2 | 68.000 | 90.000 | 58.824 | 44.444 |
| 14 | E14 | 69.000 | 84.000 | 57.971 | 47.619 |

| | | | | | |
|----|-----|---------|---------|--------|---------|
| 22 | OT5 | 69.000 | 95.000 | 57.971 | 42.105 |
| 26 | OT9 | 69.000 | 56.000 | 57.971 | 71.429 |
| 31 | A4 | 69.000 | 40.000 | 57.971 | 100.000 |
| 20 | OT3 | 70.000 | 67.000 | 57.143 | 59.701 |
| 2 | M2 | 70.000 | 98.000 | 57.143 | 40.816 |
| 28 | A1 | 71.000 | 50.000 | 56.338 | 80.000 |
| 25 | OT8 | 71.000 | 70.000 | 56.338 | 57.143 |
| 16 | E11 | 71.000 | 50.000 | 56.338 | 80.000 |
| 4 | M4 | 73.000 | 127.000 | 54.795 | 31.496 |
| 37 | A10 | 74.000 | 67.000 | 54.054 | 59.701 |
| 33 | A6 | 75.000 | 75.000 | 53.333 | 53.333 |
| 35 | A8 | 76.000 | 55.000 | 52.632 | 72.727 |
| 40 | A14 | 76.000 | 60.000 | 52.632 | 66.667 |
| 39 | A12 | 76.000 | 47.000 | 52.632 | 85.106 |
| 29 | A2 | 79.000 | 40.000 | 50.633 | 100.000 |
| 30 | A3 | 81.000 | 40.000 | 49.383 | 100.000 |
| 34 | A7 | 83.000 | 46.000 | 48.193 | 86.957 |
| 38 | A11 | 84.000 | 42.000 | 47.619 | 95.238 |
| 5 | M5 | 85.000 | 81.000 | 47.059 | 49.383 |
| 18 | OT1 | 100.000 | 72.000 | 40.000 | 55.556 |

Statistics

| | | 1 | 2 | 3 | 4 |
|----|----------|------------|------------|---------------|---------------|
| | | i nFarness | outFarness | i nCl oseness | outCl oseness |
| | | ----- | ----- | ----- | ----- |
| 1 | Mean | 69.293 | 69.293 | 58.762 | 62.509 |
| 2 | Std Dev | 9.240 | 19.516 | 8.069 | 18.007 |
| 3 | Sum | 2841.000 | 2841.000 | 2409.248 | 2562.863 |
| 4 | Variance | 85.378 | 380.890 | 65.110 | 324.250 |
| 5 | SSQ | 200361.000 | 212477.000 | 144242.141 | 173495.891 |
| 6 | MCSSQ | 3500.488 | 15616.488 | 2669.513 | 13294.251 |
| 7 | Euc Norm | 447.617 | 460.952 | 379.792 | 416.528 |
| 8 | Minimum | 44.000 | 40.000 | 40.000 | 31.496 |
| 9 | Maximum | 100.000 | 127.000 | 90.909 | 100.000 |
| 10 | N of Obs | 41.000 | 41.000 | 41.000 | 41.000 |

Network in-Centralization = 66.75%
Network out-Centralization = 77.84%

Output actor-by-centrality measure matrix saved as dataset Q2F2-clo (C:\Users\Sota\Documents\UCINET data\Q2F2-clo)

Running time: 00:00:01
Output generated: 16 Set 12 14:59:34
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