**S5 Table. Results for observations weighted by population size of Table 4.** Reduction in Strength of Spatial Patterns in Observed Premature Mortality Versus Spatial Patterns in Residuals from the Socioeconomic Empirical Model.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Observed | Observed | Residuals | Residuals | Decline | Decline |
|  | male | Female | male | female | male | female |
| Northness | 0.0087\*\* | 0.0065\*\* | -0.0002 | 0.0001 | 102.3% | 98.5% |
|  | (0.0014) | (0.0009) | (0.0006) | (0.0004) |  |  |
| Westness | 0.0080\*\* | 0.0053\*\* | 0.0025\*\* | 0.0013\* | 68.8% | 75.5% |
|  | (0.0020) | (0.0012) | (0.0008) | (0.0006) |  |  |
| Centrality | 0.0115\*\* | 0.0083\*\* | 0.0007 | 0.0005 | 93.9% | 94.0% |
|  | (0.0018) | (0.0011) | (0.0007) | (0.0005) |  |  |
| Contiguity | 0.7787\*\* | 0.8080\*\* | 0.0362 | 0.0900\* | 95.4% | 88.9% |
|  | (0.1014) | (0.0883) | (0.0425) | (0.0421) |  |  |
| Proximity | 2.4248\*\* | 2.4767\*\* | 0.0479 | 0.2311 | 98.0% | 90.7% |
|  | (0.5436) | (0.5196) | (0.1859) | (0.1866) |  |  |
| Urbanity | 9.2923 | -1.0306 | 1.5425 | 0.8264 | 83.4% | 180.2%%) |
|  | (9.6307) | (5.1288) | (1.8779) | (1.2682) |  |  |

Note: Robust standard errors in parentheses. \*\*, \* statistically significant at .01, .05 level.