

Table 10.2: Correlations between health indicators and street properties in the sample of small Kansas cities

Categories of Spatial Factors	Spatial Factors	Spearman's rho (N varies between 34 and 36)																						
		Mortality and Morbidity				Physical Health				Mental Health				Social Health										
		General Health Condition (%)	Percentage of People with disability under 65 years (2013-2017)	Death Rate (2016)	Suicide per 100000	Adult Diabetes Rate (%)	Average BMI	Overweight People (%)	Adult Obesity Rate (%)	People Feeling Badly About Themselves (%)	People Who Have Little Interest in Doing Things (%)	People Feeling Down, Depressed, or Hopeless (%)	People having thoughts they would be better off dead (%)	People ever used Marijuana or Hashish	Murders per 100,000 in 2014	Rape per 100,000 in 2014	Robberies per 100,000 in 2014	Assault per 100,000 in 2014	Violent Crime per 100,000 in 2014	Burglaries per 100,000 in 2014	Theft per 100,000 in 2014	Autotheft per 100,000 in 2014	Property Crime per 100,000 in 2014	Age 65+ living alone (%) 2013-2017
Street Properties	Total Street Length	-.022	.026	-.423*	-.004	-.513**	-.183	-.653**	.046	-.234	.062	-.154	-.124	.072	.408*	.395*	.624**	.385*	.463**	.082	.212	.335*	.149	-.085
	Street Density	.173	-.126	.254	-.123	.075	.301	.249	-.263	-.232	-.113	-.054	-.124	-.052	-.178	.156	-.304	.018	-.018	-.283	-.228	-.390*	-.273	-.010
	Mean Axial Choice (RN)	.272	-.142	-.409*	-.017	-.579**	-.117	-.383*	-.235	-.174	-.162	-.263	-.198	-.160	.261	.182	.472**	.104	.165	-.227	.087	.176	.006	.018
	Mean Axial Choice (R3)	-.446**	.194	.130	.236	.070	-.075	-.293	.521**	.014	.258	.209	.118	.237	.020	.009	.164	.067	.102	.326	.211	.237	.231	.126
	Mean Axial Choice (R5)	-.306	.092	-.043	.240	-.037	-.118	-.333*	.423*	-.026	.211	.095	.027	.216	.101	.179	.251	.095	.162	.212	.237	.266	.174	-.050
	Mean Axial Connectivity	-.666**	.348*	.269	.005	.426**	-.134	-.127	.481**	.268	.366*	.420*	.387*	.303	.008	.080	-.022	.268	.247	.643**	.254	.252	.308	-.005
	Mean Axial Integration (RN)	-.315	.019	.072	.199	.209	-.037	-.139	.367*	.096	.226	.195	.108	.227	-.098	-.049	-.020	-.067	-.045	.293	.034	.135	.069	-.060
	Mean Axial Integration (R3)	-.578**	.319	.243	.101	.293	-.039	-.141	.531**	.160	.315	.331*	.258	.247	-.077	.047	.117	.183	.186	.506**	.211	.306	.272	.115
	Mean Axial Integration (R5)	-.465**	.212	.116	.173	.150	-.038	-.229	.509**	.091	.272	.240	.156	.224	-.041	.027	.166	.108	.135	.386*	.159	.284	.189	.102
	Axial Node Count (RN)	.215	-.083	-.444**	.012	-.516**	-.128	-.460**	-.146	-.225	-.128	-.260	-.215	-.119	.301	.268	.535**	.188	.263	-.095	.132	.288	.066	-.061
	Axial Node Count (R3)	-.458**	.214	.119	.211	.076	-.081	-.301	.531**	.035	.254	.220	.133	.229	.031	-.005	.159	.071	.103	.353*	.210	.247	.242	.119
	Axial Node Count (R5)	-.366*	.102	-.015	.260	-.031	-.128	-.352*	.463**	.012	.242	.129	.056	.244	.109	.166	.244	.120	.183	.247	.242	.274	.204	.008
	Mean Segment Choice (RN)	.041	.044	-.329	.078	-.474**	-.159	-.474**	-.030	-.218	-.033	-.185	-.152	-.059	.294	.295	.615**	.241	.316	-.014	.192	.306	.163	.057
	Mean Segment Choice (R3)	-.441**	-.049	-.123	.060	-.068	-.094	-.236	.119	.190	.487**	.436**	.318	-.026	-.008	.353*	.133	.302	.313	.120	-.030	.137	-.019	-.045
	Mean Segment Choice (R5)	-.392*	-.104	-.141	.070	-.122	-.088	-.217	.063	.192	.458**	.415*	.289	-.089	-.034	.359*	.125	.266	.277	.038	-.079	.101	-.069	-.044
	Mean Segment Integration (RN)	-.142	.066	-.353*	.036	-.393*	-.150	-.569**	.133	-.148	.127	-.032	-.026	.005	.342*	.383*	.656**	.349*	.430**	.136	.261	.364*	.216	-.101
	Mean Segment Integration (R3)	-.506**	-.026	-.107	-.015	.011	-.117	-.242	.164	.263	.515**	.488**	.384*	.031	-.034	.343*	.077	.331*	.331*	.204	.026	.179	.041	-.127
	Mean Segment Integration (R5)	-.413*	-.065	-.177	-.009	-.078	-.138	-.260	.117	.207	.468**	.414*	.296	-.056	-.006	.321	.097	.302	.305	.106	-.023	.151	-.029	-.113
	Segment Node Count (RN)	.083	-.038	-.390*	.088	-.489**	-.182	-.489**	-.031	-.196	-.054	-.207	-.170	-.071	.324	.280	.572**	.225	.296	-.021	.194	.307	.151	-.016
	Segment Node Count (R3)	-.506**	-.064	-.119	.043	-.050	-.127	-.257	.163	.258	.536**	.505**	.387*	-.027	-.029	.336*	.072	.308	.310	.167	-.034	.144	-.006	-.088
	Segment Node Count (R5)	-.402*	-.100	-.158	.059	-.118	-.108	-.234	.069	.202	.468**	.421*	.297	-.087	-.027	.350*	.123	.276	.286	.058	-.080	.120	-.069	-.062

**Correlation is significant at the 0.01 level (2-tailed); *Correlation is significant at the 0.05 level (2-tailed).