

Appendix Tables for

Luo, Xiaoshuang Iris, John R. Hipp, and Carter T. Butts. 2021. "Does the Spatial Distribution of Social Ties Impact Neighborhood and City Attachment? Differentials among Urban/Rural Contexts." *Social Networks Online*.

Appendix Table A1: Models with safety degree and percent degree of different distance predicting attachment for urban/rural residents, full model results from Table 2 in paper

	Urban environment <sup>a</sup>				Rural environment			
	Neigh belong	Neigh morale	City belong	City morale	Neigh belong	Neigh morale	City belong	City morale
<i>Social Network Measures</i>								
ties	0.105*** (0.022)	0.078*** (0.020)	0.065** (0.022)	0.059** (0.021)	0.097*** (0.015)	0.051*** (0.014)	0.067*** (0.016)	0.061*** (0.016)
pct. ties (0-2m)	0.547* (0.236)	-0.036 (0.212)	-0.014 (0.232)	-0.009 (0.227)	0.690*** (0.205)	0.591** (0.184)	0.387+ (0.210)	0.541* (0.212)
pct. ties (2-4m)	-0.033 (0.251)	0.051 (0.226)	0.267 (0.247)	0.220 (0.239)	-0.050 (0.274)	0.403 (0.247)	0.393 (0.282)	0.374 (0.282)
pct. ties (4-10m)	0.213 (0.241)	0.222 (0.217)	0.062 (0.237)	0.099 (0.230)	0.278 (0.200)	0.313+ (0.180)	0.013 (0.206)	-0.036 (0.207)
<i>Ego Measures</i>								
Male	0.066 (0.143)	0.024 (0.129)	-0.204 (0.142)	-0.174 (0.137)	0.269* (0.115)	0.196+ (0.104)	-0.100 (0.119)	-0.023 (0.120)
Age	0.422+ (0.250)	0.465* (0.226)	-0.263 (0.247)	-0.228 (0.239)	0.310 (0.226)	0.494* (0.204)	0.287 (0.233)	0.418+ (0.235)
Age square	-0.025 (0.023)	-0.028 (0.021)	0.028 (0.023)	0.028 (0.022)	-0.016 (0.021)	-0.028 (0.019)	-0.025 (0.021)	-0.028 (0.022)
Black	-0.208 (0.466)	-0.209 (0.419)	-0.036 (0.457)	0.236 (0.442)	0.477 (0.507)	-1.080* (0.461)	-0.283 (0.530)	-0.985+ (0.534)
Latino	0.550* (0.216)	0.546** (0.194)	0.814*** (0.213)	0.933*** (0.205)	0.409+ (0.224)	0.287 (0.202)	0.149 (0.230)	0.321 (0.231)
Other race	-0.186 (0.212)	-0.050 (0.190)	0.100 (0.209)	0.136 (0.202)	0.072 (0.233)	0.164 (0.209)	0.010 (0.240)	0.369 (0.243)
Married	0.343* (0.157)	0.227 (0.141)	0.398* (0.155)	0.262+ (0.150)	0.330** (0.127)	0.289* (0.115)	0.277* (0.131)	0.221+ (0.132)
Education	-0.035 (0.033)	-0.042 (0.030)	-0.075* (0.032)	-0.087** (0.031)	-0.035 (0.028)	-0.006 (0.025)	-0.040 (0.029)	-0.031 (0.029)
Income	0.002+ (0.001)	0.003* (0.001)	0.002 (0.001)	0.002 (0.001)	-0.001 (0.001)	0.000 (0.001)	-0.001 (0.001)	-0.001 (0.001)
Residential tenure	0.032*** (0.007)	0.019** (0.006)	0.029*** (0.007)	0.017* (0.007)	0.025*** (0.005)	0.014** (0.005)	0.018*** (0.005)	0.004 (0.005)
Church attendance	0.158*** (0.033)	0.075* (0.030)	0.069* (0.033)	0.062+ (0.032)	0.069* (0.028)	0.030 (0.025)	0.066* (0.029)	0.045 (0.029)
Meetings attend(log)	0.212* (0.096)	0.097 (0.087)	0.348*** (0.095)	0.159+ (0.092)	0.407*** (0.081)	0.166* (0.073)	0.469*** (0.084)	0.252** (0.084)
<i>Neighborhood Measures</i>								
Racial/ethnic heterogeneity	-0.041 (0.451)	-0.060 (0.399)	0.955* (0.440)	-0.077 (0.427)	-1.365** (0.462)	-1.486*** (0.419)	-1.833*** (0.467)	-1.966*** (0.471)
% Black	0.003 (0.012)	-0.012 (0.011)	-0.023+ (0.012)	-0.009 (0.012)	-0.015 (0.028)	-0.011 (0.025)	-0.007 (0.028)	-0.028 (0.028)
% Latino	-0.004 (0.004)	-0.018*** (0.003)	-0.024*** (0.004)	-0.032*** (0.004)	-0.006 (0.004)	-0.005 (0.004)	-0.004 (0.004)	-0.007+ (0.004)
Population	-0.007 (0.005)	-0.009* (0.004)	0.012** (0.004)	0.010* (0.004)	-0.146* (0.071)	-0.059 (0.065)	0.102 (0.072)	0.174* (0.072)
Ave. house income(log)	0.129 (0.267)	0.208 (0.236)	-0.481+ (0.260)	-0.003 (0.252)	0.420 (0.266)	0.820*** (0.240)	0.599* (0.266)	0.917*** (0.266)
Ave. resident. tenure	-0.025 (0.028)	0.016 (0.025)	-0.005 (0.027)	-0.020 (0.026)	0.031 (0.023)	0.014 (0.021)	0.059* (0.024)	0.073** (0.024)
<i>R square</i>	0.150	0.178	0.117	0.125	0.150	0.127	0.109	0.102
<i>N</i>	1420				2217			

Standard errors in parentheses + p<.10, \* p<.05, \*\* p<.01, \*\*\* p<.001

<sup>a</sup> For safety relationship, we use the proportion of distance bins as 0–1 mile, 1–4 miles, 4–10 miles for urban residents.

Table A2: Models with different types of degree within percent distance bins predicting attachment for urban/rural residents: pairing safety ties with each other relation

Panel A: social activity and safety ties

	<i>Urban environment</i>				<i>Rural environment</i>				
	Neigh belong	Neigh morale	City belong	City morale	Neigh belong	Neigh morale	City belong	City morale	
Social activity ties	0.002 (0.013)	0.013 (0.012)	0.007 (0.013)	0.020 (0.012)	Social activity ties	0.009 (0.011)	0.022* (0.010)	-0.019+ (0.011)	-0.010 (0.011)
Safety ties	0.102*** (0.025)	0.065** (0.022)	0.060* (0.024)	0.041+ (0.024)	Safety ties	0.089*** (0.018)	0.029+ (0.017)	0.082*** (0.019)	0.068*** (0.019)
Pct. Social ties(0-2m)	-0.091 (0.340)	0.064 (0.306)	0.691* (0.333)	0.571+ (0.323)	Pct. Social ties(0-2m)	0.592 (0.406)	0.385 (0.365)	0.845* (0.416)	0.582 (0.418)
Pct. Social ties(2-10m)	0.044 (0.276)	0.195 (0.249)	-0.301 (0.271)	-0.077 (0.264)	Pct. Social ties(2-10m)	0.030 (0.301)	0.338 (0.270)	0.520+ (0.309)	0.561+ (0.310)
Pct. Safety ties(0-1m)	0.574* (0.264)	-0.071 (0.237)	-0.233 (0.259)	-0.209 (0.252)	Pct. Safety ties(0-2m)	0.442+ (0.266)	0.419+ (0.239)	0.031 (0.273)	0.293 (0.275)
Pct. Safety ties(1-10m)	0.082 (0.213)	0.054 (0.192)	0.229 (0.209)	0.134 (0.203)	Pct. Safety ties(2-10m)	0.147 (0.217)	0.168 (0.194)	-0.079 (0.224)	-0.144 (0.225)
<i>R square</i>	0.150	0.179	0.121	0.129	<i>R square</i>	0.152	0.131	0.113	0.104
<i>N</i>	1,420				<i>N</i>	2,217			

Panel B: kinship and safety ties

	<i>Urban environment</i>				<i>Rural environment</i>				
	Neigh belong	Neigh morale	City belong	City morale	Neigh belong	Neigh morale	City belong	City morale	
Kinship ties	0.027 (0.025)	0.029 (0.022)	-0.003 (0.024)	0.041+ (0.023)	Kinship ties	-0.008 (0.018)	0.001 (0.017)	-0.007 (0.019)	0.003 (0.019)
Safety ties	0.100*** (0.022)	0.073*** (0.020)	0.068** (0.022)	0.054* (0.021)	Safety ties	0.099*** (0.016)	0.051*** (0.014)	0.068*** (0.016)	0.060*** (0.016)
Pct. Kin ties(0-2m)	-0.403 (0.379)	0.070 (0.341)	0.619+ (0.371)	0.614+ (0.360)	Pct. Kin ties(0-2m)	0.836+ (0.461)	0.361 (0.414)	1.385** (0.471)	0.843+ (0.474)
Pct. Kin ties(2-10m)	-0.149 (0.305)	-0.037 (0.274)	-0.603* (0.300)	-0.511+ (0.290)	Pct. Kin ties(2-10m)	0.416 (0.360)	0.293 (0.324)	1.009** (0.369)	0.752* (0.370)
Pct. Safety ties(0-1m)	0.622* (0.247)	-0.051 (0.222)	-0.108 (0.242)	-0.111 (0.236)	Pct. Safety ties(0-2m)	0.517* (0.226)	0.522* (0.204)	0.100 (0.232)	0.372 (0.234)
Pct. Safety ties(1-10m)	0.118 (0.196)	0.127 (0.177)	0.260 (0.193)	0.209 (0.187)	Pct. Safety ties(2-10m)	0.079 (0.187)	0.278+ (0.168)	-0.087 (0.193)	-0.068 (0.194)
<i>R square</i>	0.151	0.179	0.121	0.132	<i>R square</i>	0.152	0.128	0.116	0.105
<i>N</i>	1,420				<i>N</i>	2,217			

Panel C: core discussion and safety ties

	<i>Urban environment</i>				<i>Rural environment</i>				
	Neigh belong	Neigh morale	City belong	City morale	Neigh belong	Neigh morale	City belong	City morale	
Core discuss ties	0.033 (0.021)	0.032+ (0.019)	0.010 (0.021)	0.040* (0.020)	Core discuss ties	0.002 (0.016)	0.018 (0.015)	-0.017 (0.017)	-0.004 (0.017)
Safety ties	0.082** (0.026)	0.055* (0.023)	0.060* (0.026)	0.034 (0.025)	Safety ties	0.095*** (0.018)	0.039* (0.017)	0.075*** (0.019)	0.061** (0.019)
Pct. Core ties(0-2m)	-0.246 (0.346)	-0.332 (0.311)	0.474 (0.340)	0.024 (0.330)	Pct. Core ties(0-2m)	0.470 (0.414)	0.100 (0.372)	0.568 (0.423)	0.440 (0.428)
Pct. Core ties(2-10m)	0.191 (0.275)	0.123 (0.248)	-0.445+ (0.270)	-0.300 (0.262)	Pct. Core ties(2-10m)	0.144 (0.305)	0.199 (0.274)	0.367 (0.314)	0.401 (0.315)
Pct. Safety ties(0-1m)	0.604* (0.262)	0.053 (0.236)	-0.153 (0.258)	-0.025 (0.252)	Pct. Safety ties(0-2m)	0.505+ (0.261)	0.538* (0.234)	0.180 (0.267)	0.373 (0.270)
Pct. Safety ties(1-10m)	0.031 (0.214)	0.107 (0.193)	0.277 (0.211)	0.240 (0.204)	Pct. Safety ties(2-10m)	0.104 (0.212)	0.245 (0.191)	-0.007 (0.220)	-0.068 (0.221)
<i>R square</i>	0.152	0.181	0.121	0.129	<i>R square</i>	0.151	0.128	0.111	0.103
<i>N</i>	1,420				<i>N</i>	2,217			

Standard errors in parentheses + p<.10, \* p<.05, \*\* p<.01, \*\*\* p<.001

Models include all control variables listed in Table 1 in the paper (except for urban).