

S5. OFFENSE DISTANCE AND ACTIVITY SPACE SIMILARITY CORRELATIONS

Table S5.1. Kendall's tau-b correlations between reference offense distance and activity space similarity measures, by reference offense, Territorial Authority type and pre-offense timeframe. For each correlation, N=10,000 offender pairs and $p < 0.001$.

Reference offense	TA Type	Time	Co-offenders ^a	Percent shared activity space	Minimum node distance	Median nearest node distance
Res. Burg.	Urban	0-1y	0.01%	-0.13	0.26	0.28
		ever	0.01%	-0.19	0.23	0.25
	Rural	0-1y	0.12%	-0.20	0.29	0.25
		ever	0.12%	-0.24	0.26	0.23
Non-res. Burg.	Urban	0-1y	0.02%	-0.11	0.22	0.25
		ever	0.02%	-0.16	0.20	0.22
	Rural	0-1y	0.30%	-0.21	0.29	0.24
		ever	0.30%	-0.24	0.26	0.22
Com. Rob.	Urban	0-1y	0.11%	-0.08	0.17	0.21
		ever	0.11%	-0.12	0.14	0.18
	Rural	0-1y	2.38%	-0.17	0.21	0.17
		ever	2.38%	-0.19	0.19	0.15
Pers. Rob.	Urban	0-1y	0.03%	-0.10	0.18	0.20
		ever	0.03%	-0.13	0.15	0.18
	Rural	0-1y	0.82%	-0.16	0.20	0.19
		ever	0.82%	-0.19	0.18	0.17
Sex Offense	Urban	0-1y ^b	0.01%	-0.07	0.24	0.23
		ever	0.01%	-0.13	0.21	0.20
	Rural	0-1y ^b	0.12%	-0.12	0.24	0.18
		ever	0.12%	-0.18	0.22	0.18

^a Percentage of pairs who were co-offenders (committed the reference offense together).

^b Excludes 1 and 5 pairs respectively where one of the offenders had no 1-year activity nodes.