

S6. CO-OFFENDER AND OTHER SAME LOCATION OFFENDER COMPARISONS

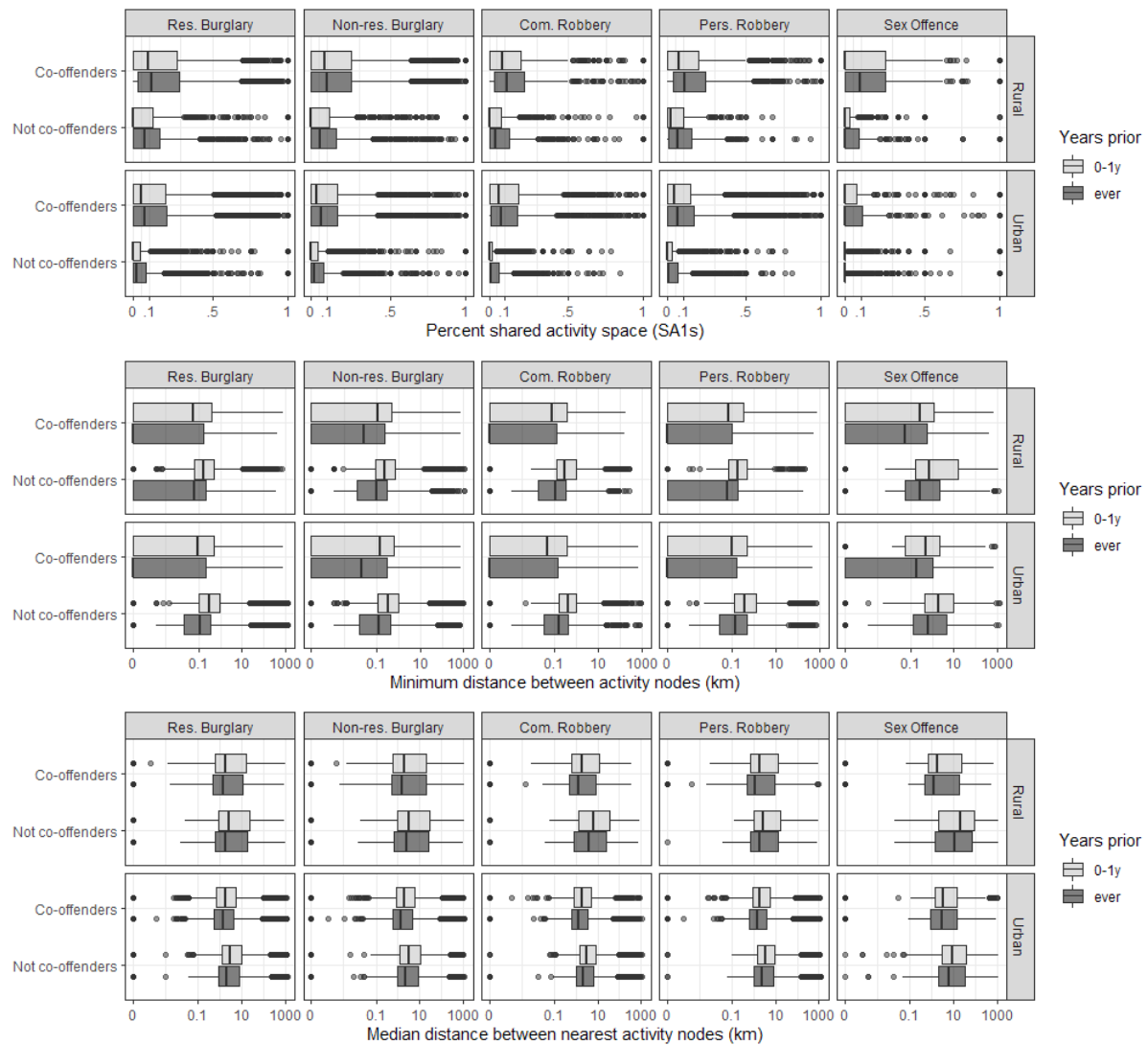


Figure S6.1. Distributions of percent shared activity space (top), minimum distance between activity nodes (middle) and median distance between nearest activity nodes (bottom) comparing co-offending pairs and pairs of other offenders whose reference offenses were within 100m, by reference offense, Territorial Authority type and pre-offense timeframe.

Table S6.1. Difference in activity space similarity between co-offending pairs and pairs whose reference offenses were within 100m, by reference offense, Territorial Authority type and pre-offense timeframe. All significant at $p < 0.001$. Effect size (r): 0.10 - 0.3 = small; 0.30 - 0.5 = moderate; >0.5 = large.

Ref. offense	TA Type	Time	Percent shared activity space (%)								Minimum node distance (km)					Median nearest node distance (km)						
			N pairs		Median		U	95% CI a	r	Median		U	95% CI b	r	Median		U	95% CI b	r			
			Co-off.	not	Co.	not				Co.	not				Co.	not						
Res. Burg.	Urban	0-1y	4096	5556	4.90	0.00	7674427	0.00	2.40	0.31	0.09	0.32	14972974	0.12	0.15	0.27	1.83	2.82	13722343	0.72	0.92	0.18
		ever	4096	5556	7.10	2.00	8092848	3.00	3.80	0.25	0.00	0.11	14429664	0.04	0.05	0.23	1.35	1.97	13317011	0.41	0.55	0.15
	Rural	0-1y	4068	4560	9.60	0.00	6927156	2.90	4.50	0.23	0.06	0.18	11541299	0.06	0.07	0.21	1.88	2.48	10252981	0.30	0.46	0.09
		ever	4068	4560	11.40	7.50	7675035	2.60	3.80	0.15	0.00	0.07	11178598	0.01	0.02	0.18	1.34	1.69	10137631	0.18	0.30	0.08
Non-res. Burg.	Urban	0-1y	3757	6127	3.40	0.00	8325850	0.00	0.00	0.27	0.14	0.35	14667767	0.13	0.15	0.23	1.89	3.06	13611936	0.67	0.89	0.15
		ever	3757	6127	6.30	2.00	8819688	1.70	2.60	0.20	0.02	0.13	14006861	0.03	0.05	0.19	1.42	2.15	13433862	0.43	0.58	0.14
	Rural	0-1y	4131	6254	8.30	0.00	10004000	0.00	1.90	0.20	0.12	0.23	15949354	0.08	0.09	0.20	1.93	3.37	14587890	0.42	0.61	0.11
		ever	4131	6254	10.00	5.70	10646645	2.00	3.20	0.15	0.03	0.10	15321334	0.02	0.03	0.16	1.63	2.53	14204968	0.24	0.38	0.08
Com. Rob.	Urban	0-1y	1755	3091	5.90	0.00	1598046	3.30	4.60	0.39	0.05	0.41	3890625	0.21	0.26	0.36	1.92	3.10	3365880	0.84	1.12	0.20
		ever	1755	3091	7.30	1.30	1659905	3.80	4.90	0.33	0.00	0.15	3777199	0.07	0.10	0.33	1.40	2.24	3330800	0.57	0.78	0.19
	Rural	0-1y	792	1009	8.10	0.00	279219	1.10	4.80	0.28	0.08	0.31	550021	0.13	0.19	0.33	1.96	6.29	497018	1.00	2.21	0.21
		ever	792	1009	11.10	4.10	285882	3.70	5.70	0.25	0.00	0.12	537557	0.05	0.07	0.30	1.34	3.78	486699	0.56	1.18	0.19
Pers. Rob.	Urban	0-1y	2866	4084	4.20	0.00	3900564	0.00	2.10	0.32	0.10	0.37	8004053	0.17	0.20	0.32	1.96	3.27	7052183	0.75	1.01	0.17
		ever	2866	4084	6.50	0.90	3796792	3.30	4.10	0.31	0.00	0.14	7883732	0.06	0.08	0.30	1.38	2.34	7109005	0.57	0.75	0.18
	Rural	0-1y	1527	786	7.70	2.30	453571	1.20	4.10	0.21	0.06	0.19	768891	0.06	0.09	0.23	1.80	2.53	666615	0.22	0.58	0.09
		ever	1527	786	10.70	6.90	475152	2.50	4.30	0.17	0.00	0.06	758138	0.01	0.03	0.23	1.11	1.79	686694	0.22	0.48	0.12
Sex Offense	Urban	0-1ya	277	1994	0.00	0.00	220641	0.00	0.00	0.19	0.54	1.86	368302	0.55	1.12	0.19	3.47	8.50	341909	1.66	3.65	0.13
		ever	277	1994	0.00	0.00	207133	0.00	0.00	0.18	0.19	0.67	362367	0.18	0.41	0.18	2.90	6.14	336305	1.05	2.43	0.12
	Rural	0-1ya	221	509	0.00	0.00	40583	0.00	0.00	0.27	0.26	0.75	73388	0.18	0.46	0.24	1.90	22.14	75747	2.98	14.86	0.28
		ever	221	509	9.60	0.00	39594	0.30	6.70	0.25	0.05	0.28	71977	0.06	0.16	0.22	1.25	11.30	73731	1.42	6.10	0.25

^a 95% confidence interval around the median difference in percent shared activity space.

^b 95% confidence interval around the median difference in distance.