

Table S2. Results of t tests on STM versus the two reference models (5 km bandwidth for the KRN model). The numbers in the table are the p -values from each of the tests.

Year	Group	Closeness		Moving distance		Overlapped area ratio	
		v. KRN5	v. MVN	v. KRN5	v. MVN	v. KRN5	v. MVN
2007-2008	1	0.000	0.000	0.000	0.001	<i>0.067</i>	0.000
	2	0.000	0.000	0.000	0.014	0.000	0.000
	3	<i>0.934</i>	<i>1.000</i>	0.000	0.000	<i>0.999</i>	0.018
2008-2009	1	0.000	0.000	0.000	0.000	0.000	<i>0.506</i>
	2	0.000	0.000	0.000	0.000	0.000	<i>0.904</i>
	3	0.000	0.000	0.000	0.000	<i>1.000</i>	<i>1.000</i>
2009-2010	1	0.000	0.000	0.000	0.000	0.035	<i>1.000</i>
	2	0.000	0.000	0.000	0.003	0.000	0.000
	3	0.000	0.000	0.000	0.000	<i>1.000</i>	<i>1.000</i>
2010-2011	1	<i>1.000</i>	<i>1.000</i>	0.000	0.000	0.000	0.000
	2	0.000	0.000	0.000	0.000	0.000	0.000
	3	0.000	0.000	0.000	0.000	<i>1.000</i>	<i>1.000</i>