

Supplements

The follow table shows the details of the OSM data used in our paper, including the layer name, type and the some basic statistics.

Table S1 Statistics of three experimental regions. (‘/’ means nonexistence)

Layer name	Type	Region (a1)		Region (b1)		Region (c1)	
		Feature number	Area / Length	Feature number	Area / Length	Feature number	Area / Length
Traffic	Point	1	/	25	/	21	/
Places	Point	0	/	0	/	0	/
Places of Worship	Point	0	/	0	/	0	/
Points of Interest	Point	2	/	12	/	81	/
Transport	Point	0	/	5	/	9	/
Nature	Point	0	/	1	/	19	/
Water	Line	2	1824	4	611	5	3150
Roads	Line	107	12782	33	10896	320	27605
Railways	Line	8	3575	0	/	0	0
Buildings	Polygon	56	19595	146	39146	484	150564
Traffic	Polygon	0	0	3	4458	6	4589
Nature	Polygon	0	0	1	8740	0	0
Water	Polygon	11	132068	5	109353	0	0
Transport	Polygon	0	0	0	0	0	0
Places of Worship	Polygon	0	0	1	73922	0	0
Places	Polygon	2	1000000	3	1000000	2	1000000
Points of Interest	Polygon	2	33083	32	567556	21	509766
Landuse	Polygon	21	888516	31	1177776	36	513450