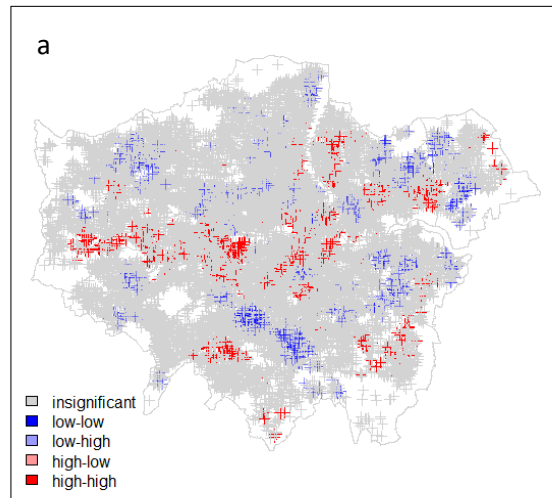
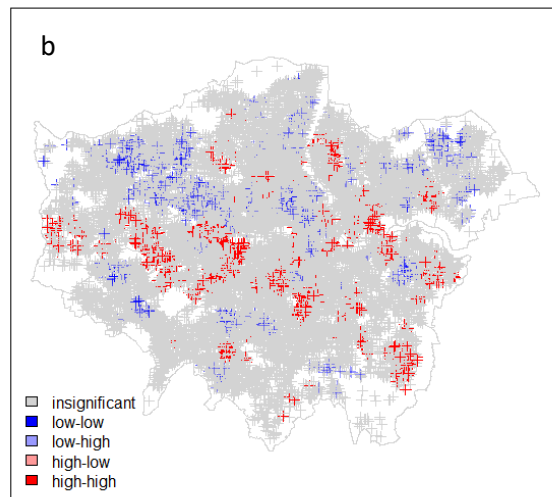


Figure 1 Data flow to final sample and analysis

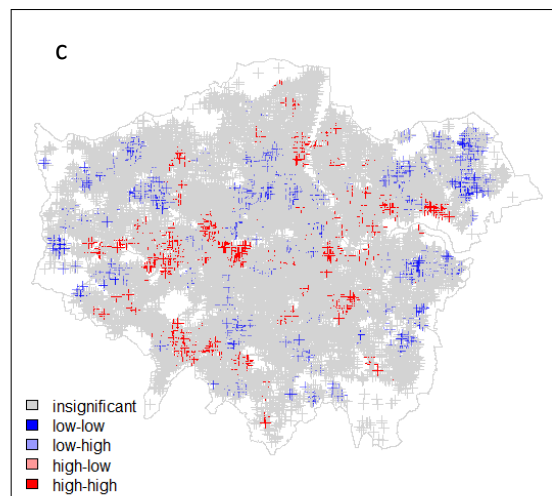
**Autocorrelations: Life Satisfaction and Area of Greenspace, by Type**



**Autocorrelations: Worth and Area of Greenspace, by Type**

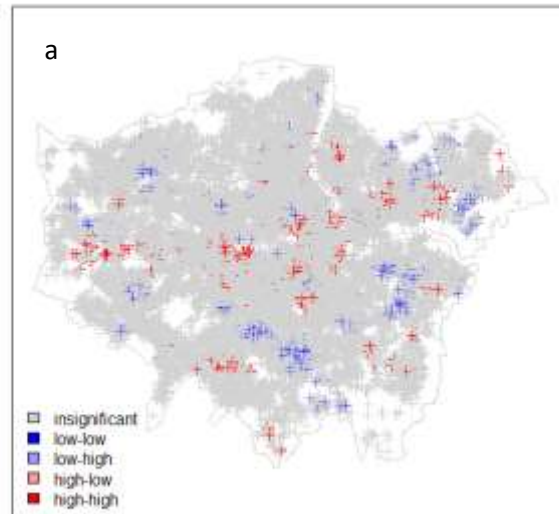


**Autocorrelations: Happiness and Area of Greenspace, by Type**

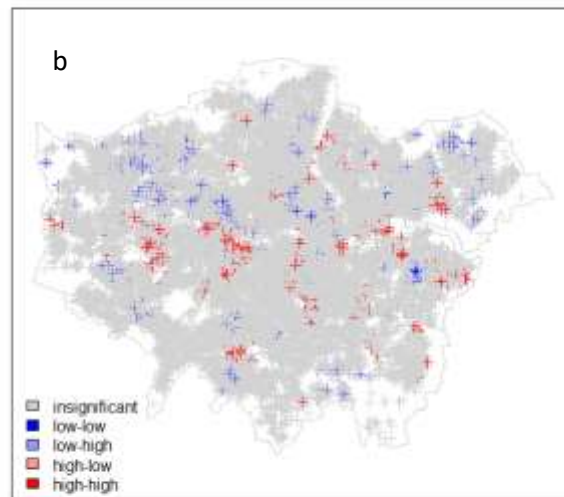


*Figure 2a-c LISA cluster map of residuals of OLS regression models, adjusted for greenspace type*

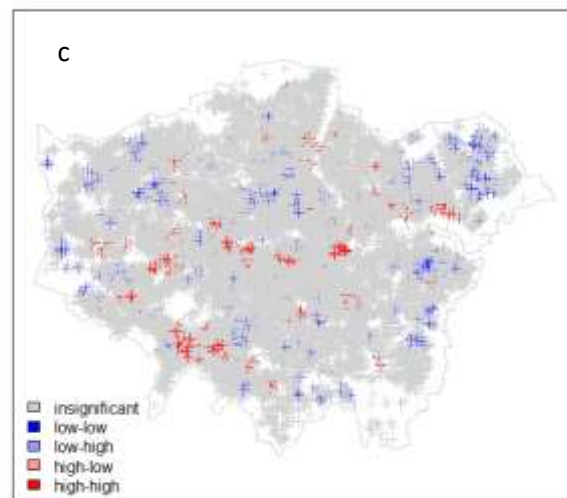
**Autocorrelations: Life Satisfaction and Area of Greenspace, by Type**



**Autocorrelations: Worth and Area of Greenspace, by Type**



**Autocorrelations: Happiness and Area of Greenspace, by Type**



*Figure 3a-c LISA cluster map of residuals of SE regression models*

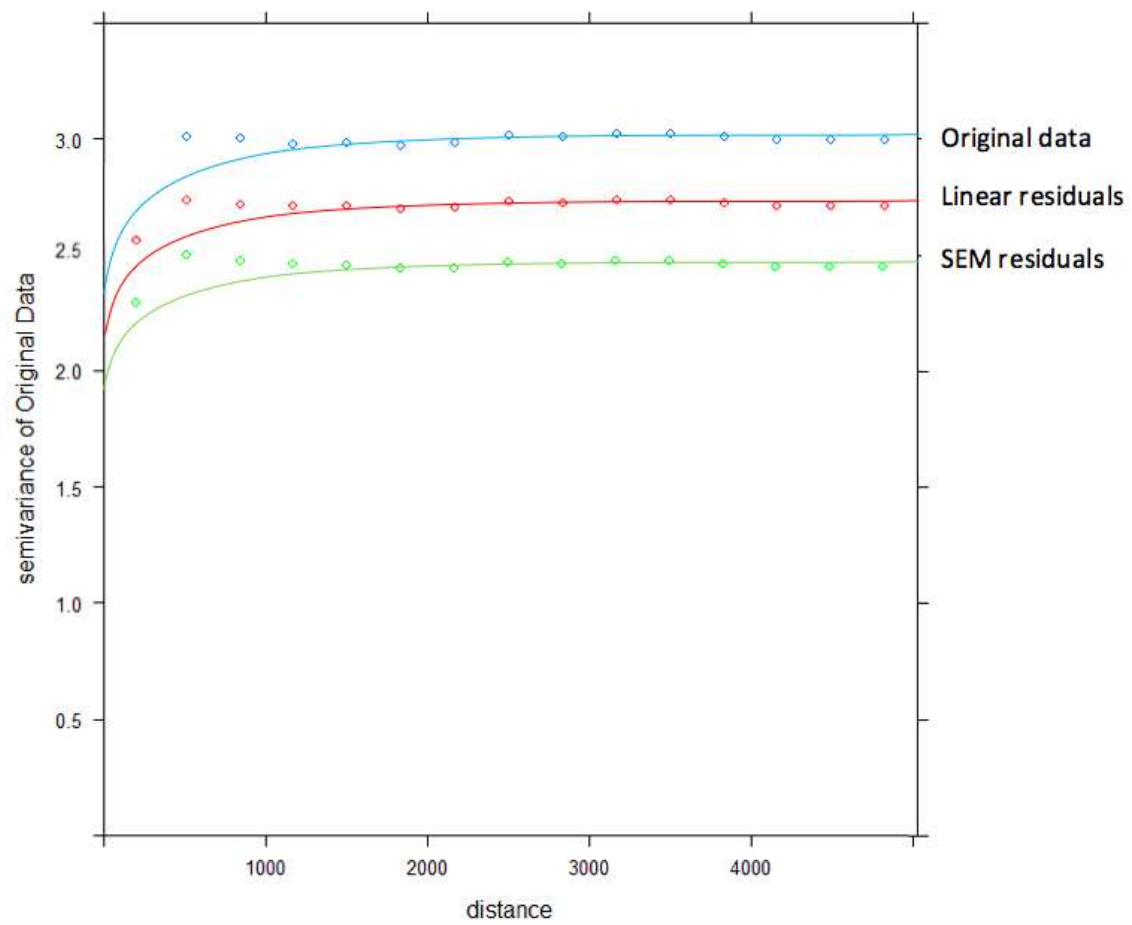


Figure 4 Semi-variogram displaying the semivariance over distance of the original data and fitted models

<i>PPG17 type</i>	<i>Study name</i>	<i>Description and aggregation of sub-categories, taken from GiGL (Greenspace Information for Greater London CIC, 2017; Planning Policy Guidance, 2002)</i>
Parks and Gardens	Parks	<p><b>Park:</b> public open space laid out formally for leisure and recreation.</p> <p><b>Formal garden</b> refers to spaces with well-defined boundaries that display high standards of horticulture with intricate and detailed landscaping.</p>
Natural and Semi-natural Urban Greenspace	Natural greenspace	<p><b>Common:</b> publically accessible open spaces with few if any facilities. They will typically be mainly rough open grass/woodland, less formal than parks.</p> <p><b>Country Parks:</b> large areas set aside for informal recreation near or within towns and cities.</p> <p><b>Public woodland:</b> woodland accessible for recreational use, but not managed for nature conservation.</p> <p><b>Nature reserve:</b> open space that is managed primarily for nature conservation.</p>
Outdoor Sports Facilities	Sports	<p><b>Recreation ground:</b> mown grass used primarily for informal, unorganised ball games and similar activities.</p> <p><b>Playing fields:</b> pitches, usually for football, but also for rugby and hockey, and in summer, for cricket.</p> <p><b>Golf course:</b> landscaped area for playing golf, often with other facilities.</p> <p><b>Other recreational:</b> sites used exclusively or predominantly for other organised sports such as bowls or tennis.</p>
Green Corridors, Amenity, spaces for Children and Teenagers, Allotments and Community Gardens and City Farms, Cemeteries and Churchyards, Other Urban Fringe, Civic Spaces, Other	Other	<p><b>Includes:</b> rivers, canals, railway cuttings and embankments, disused railway track bed, road island verge, walking/cycle route, amenity greenspace, village green, hospital grounds, educational grounds, landscaping around premises, reservoirs, play space, adventure playground, youth area, allotments, community garden, city farm, cemeteries, churchyards, equestrian centre, agriculture, nursery, horticulture, civic and market squares, other hard surfaced areas, sewerage and water works, disused quarries, gravel pits, vacant land, land reclamations, airfields.</p>

*Table 1 Greenspace type classification*

*Life Satisfaction*

<i>Variable</i>	<i>Value</i>	<i>B</i>	<i>SE</i>	<i>p</i>
Area of Greenspace	Other, ref			
	Natural	0.028	0.008	<0.001
	Parks	-0.002	0.006	0.794
	Sports	0.006	0.006	0.281
Age	16-24 ,ref			
	25-34	-0.245	0.049	<0.001
	35-44	-0.425	0.049	<0.001
	45-54	-0.582	0.050	<0.001
	55-64	-0.194	0.053	<0.001
	65-74	0.214	0.056	<0.001
	over 75	0.300	0.061	<0.001
Sex	Female	0.078	0.022	<0.001
Married/Cohabiting	Yes	0.489	0.023	<0.001
Ethnicity	White British, ref			
	Black	-0.173	0.036	<0.001
	South Asian	0.178	0.037	<0.001
	Other Asian	0.049	0.055	0.375
	Mixed	-0.069	0.078	0.377
	Other	0.074	0.047	0.117
Health	Fair, ref			
	Very Good	1.037	0.033	<0.001
	Good	0.620	0.031	<0.001
	Poor	-0.886	0.054	<0.001
	Very Poor	-1.921	0.092	<0.001
Qualifications	Has Degree/Diploma	-0.078	0.024	<0.001
Economic Activity	Employed, ref			
	Unemployed	-0.708	0.055	<0.001
	Inactive	-0.080	0.036	0.025
Employed Full-Time	Yes	0.012	0.035	0.742
Income, Quintiles	1, ref			
	2	-0.157	0.044	<0.001
	3	0.002	0.044	0.968
	4	0.116	0.046	0.011
	5	0.241	0.046	<0.001
Housing Tenure	Owns Home	0.182	0.030	<0.001
	Detached, ref			
	Semi-detached	-0.010	0.071	0.893
	Terraced	-0.003	0.068	0.967
	Flat	-0.073	0.068	0.282
	Other	-0.092	0.066	0.160
Population Density		0.000	0.000	0.146
Deprivation		-0.003	0.001	0.026

*Table 2 Results of fully adjusted Spatial Error model for life satisfaction and types of accessible greenspace*

Worth

Variable	Value	B	SE	p
Area of Greenspace	Other, ref			
	Natural	0.010	0.008	0.196
	Parks	0.004	0.006	0.555
	Sports	0.010	0.006	0.071
Age	16-24 ,ref			
	25-34	-0.160	0.049	0.001
	35-44	-0.155	0.049	0.001
	45-54	-0.284	0.050	<0.001
	55-64	0.112	0.052	0.030
	65-74	0.334	0.055	<0.001
	over 75	0.267	0.061	<0.001
Sex	Female	0.235	0.022	<0.001
Married/Cohabiting	Yes	0.341	0.022	<0.001
Ethnicity	White British, ref			
	Black	0.103	0.036	0.004
	South Asian	0.131	0.037	<0.001
	Other Asian	0.000	0.054	0.999
	Mixed	0.256	0.077	0.001
	Other	-0.006	0.047	0.893
Health	Fair, ref			
	Very Good	0.803	0.033	<0.001
	Good	0.417	0.030	<0.001
	Poor	-0.766	0.054	<0.001
	Very Poor	-1.502	0.090	<0.001
Qualifications	Has Degree/Diploma	-0.044	0.024	0.067
Economic Activity	Employed, ref			
	Unemployed	-0.554	0.054	<0.001
	Inactive	-0.186	0.035	<0.001
Employed Full-Time	Yes	-0.080	0.035	0.022
Income, Quintiles	1, ref			
	2	-0.127	0.043	0.003
	3	0.019	0.043	0.662
	4	0.081	0.045	0.074
	5	0.026	0.045	0.565
Housing Tenure	Owns Home	0.093	0.029	0.001
	Detached, ref			
	Semi-detached	-0.006	0.070	0.932
	Terraced	-0.025	0.067	0.704
	Flat	-0.112	0.067	0.094
	Other	-0.081	0.065	0.212
Population Density		0.000	0.000	0.483
Deprivation		-0.001	0.001	0.298

Table 3 Results of fully adjusted Spatial Error model for worth and types of accessible greenspace

<i>Happiness</i>				
<i>Variable</i>	<i>Value</i>	<i>B</i>	<i>SE</i>	<i>p</i>
Area of Greenspace	Other, ref			
	Natural	0.023	0.010	0.019
	Parks	-0.009	0.007	0.210
	Sports	0.007	0.007	0.338
Age	16-24 ,ref			
	25-34	-0.125	0.060	0.037
	35-44	-0.131	0.060	0.029
	45-54	-0.190	0.061	0.002
	55-64	0.088	0.064	0.166
	65-74	0.475	0.068	<0.001
	over 75	0.487	0.075	<0.001
Sex	Female	0.025	0.027	0.358
Married/Cohabiting	Yes	0.356	0.028	<0.001
Ethnicity	White British, ref			
	Black	0.117	0.044	0.008
	South Asian	0.300	0.045	<0.001
	Other Asian	-0.002	0.067	0.971
	Mixed	0.075	0.095	0.432
	Other	0.006	0.058	0.910
Health	Fair, ref			
	Very Good	1.085	0.040	<0.001
	Good	0.595	0.037	<0.001
	Poor	-0.997	0.066	<0.001
	Very Poor	-1.719	0.111	<0.001
Qualifications	Has Degree/Diploma	-0.059	0.030	0.046
Economic Activity	Employed, ref			
	Unemployed	-0.552	0.067	<0.001
	Inactive	-0.067	0.043	0.124
Employed Full-Time	Yes	-0.048	0.043	0.257
Income, Quintiles	1, ref			
	2	-0.093	0.053	0.080
	3	-0.010	0.053	0.859
	4	-0.061	0.056	0.274
	5	-0.035	0.056	0.528
Housing Tenure	Owns Home	0.090	0.036	0.012
	Detached, ref			
	Semi-detached	0.005	0.086	0.956
	Terraced	0.040	0.082	0.630
	Flat	0.008	0.082	0.919
	Other	0.006	0.080	0.944
Population Density		0.000	0.000	0.232
Deprivation		-0.002	0.001	0.074

*Table 4 Results of fully adjusted Spatial Error model for happiness and types of accessible greenspace*