

Research unit construction

- Constructing an index system of urban spatial structure using DEM, urban road and building attributes.



Analysis of Variance

- The influence of single index and multiple indexes and their combinations on the concentration distribution of gaseous pollutants in the spatial distribution of buildings.

Indicators	CO	NO	NO ₂	SO ₂	Indicators	CO	NO	NO ₂	SO ₂
Y3	75.53 [#]	110.91 [#]	47.37 [#]	33.71 [#]	Y4	5.58 [#]	4.19 [#]	1.66	5.42 [#]
Y4	2.07 [*]	2.61 [*]	1.33	2.02 [*]	P1	2.25 [*]	2.27 [*]	2.89 [*]	2.63 [*]
P1	10.43 [#]	12.07 [#]	2.90 [*]	9.09 [#]	P3	1.30	1.93 [*]	0.52	1.48
Y3*Y4	2.04 [#]	2.15 [#]	1.67 [#]	1.22	Y4*P1	0.95	1.15	0.95	1.26
Y3*P1	2.31 [#]	3.42 [#]	2.35 [#]	1.03	Y4*P3	0.74	0.93	0.89	1.19
Y4*P1	1.35 [*]	1.26	1.18	0.98	P1*P3	0.83	1.21	1.24	1.37 [*]
Y3*Y4*P1	0.94	0.99	1.01	0.96	Y4*P1*P3	0.59	0.72	0.75	1.07
Y3	84.18 [#]	137.88 [#]	65.66 [#]	39.78 [#]	Y4	2.00 [*]	1.26	1.26	1.38
Y4	1.39	1.52	3.01 [*]	1.31	P1	0.48	0.44	0.66	1.46
S2	3.02 [*]	4.95 [#]	2.82 [*]	3.68 [#]	S1	1.64	1.47	1.96 [*]	0.87
Y3*Y4	2.10 [#]	2.71 [#]	1.98 [#]	1.02	Y4*P1	1.14	1.51 [*]	1.41 [*]	1.01
Y3*S2	1.93 [#]	3.72 [#]	2.45 [#]	0.99	Y4*S1	0.96	1.23	1.24	0.88
Y4*S2	1.01	1.52 [*]	1.20	0.77	P1*S1	0.26	0.30	0.85	0.70
Y3*Y4*S2	1.04	1.59 [#]	1.54 [#]	0.84	Y4*P1*S1	0.38	0.53	0.54	0.51
Y3	72.07 [#]	103.83 [#]	38.66 [#]	51.32 [#]	Y4	3.26 [#]	1.37	1.18	3.41 [#]
P1	8.23 [#]	9.80 [#]	2.48 [*]	8.63 [#]	P3	1.13	1.78	0.75	1.92 [*]
P3	0.79	0.55	0.46	1.00	S1	1.63	2.31 [*]	2.65 [*]	2.66 [*]
Y3*P1	1.22	1.53 [*]	1.26	1.12	Y4*P3	0.79	1.21	1.15	1.01
Y3*P3	0.75	0.77	0.87	1.22	Y4*S1	1.22	1.55 [*]	1.55 [*]	1.30
P1*P3	0.71	1.11	1.27	1.33 [*]	P3*S1	0.54	0.87	1.01	1.13
Y3*P1*P3	0.66	0.81	0.75	1.09	Y4*P3*S1	0.66	0.81	0.82	1.00

Spatial regression model

- The influence of building spatial distribution indicators on the concentration of different pollutants is different.

