

Table S2: Pairwise Correlation Analysis for Chinese Cities

Pairwise correlation coefficients are obtained by averaging all correlation coefficients from each time step in the

	Temperature	Relative Humidity	Population Density	Percentage over 65	GDP per capita	No. of doctors	Drop of BMI	Inflow
Temperature	1.00	0.32	0.33	-0.37	0.33	0.13	-0.21	
Relative Humidity	0.32	1.00	-0.08	0.01	-0.16	-0.09	0.29	
Population Density	0.33	-0.08	1.00	-0.27	0.57	0.29	-0.40	
Percentage over 65	-0.37	0.01	-0.27	1.00	-0.20	0.13	0.25	
GDP per capita	0.33	-0.16	0.57	-0.20	1.00	0.45	-0.76	
No. of doctors	0.13	-0.09	0.29	0.13	0.45	1.00	-0.39	
Drop of BMI	-0.21	0.29	-0.40	0.25	-0.76	-0.39	1.00	
Inflow population from Wuhan	0.04	0.09	-0.09	0.06	-0.14	-0.12	0.04	
Latitude	-0.92	-0.44	-0.27	0.45	-0.25	-0.06	0.12	
Longitude	-0.57	-0.32	-0.03	0.13	0.05	-0.22	-0.14	