Supplemental material

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Table S6: Fama-Macbeth Regression for Chinese Cities except Wuhan

Daily R values from January 19 to February 10 and the average temperature and relative humidity over 6 days up to and including the day when R value is measured, are used in the regression for 99 Chinese cities (without Wuhan). The regression is estimated by the Fama-MacBeth approach.

	Overall	Before Lockdown (Jan 24)	After Lockdown (Jan 24)
R2	0.3029	0.1915	0.3339
Temperature			
coef	-0.0223	-0.0287	-0.0205
95%CI	[-0.0358, -0.0088]	[-0.0406, -0.0168]	[-0.0369, -0.0041]
std.err	0.0065	0.0043	0.0078
t-stat	-3.44	-6.69	-2.64
p-value	0.002	0.003	0.017
Relative Humidity			
coef	-0.0060	-0.0071	-0.0056
95%CI	[-0.0100, -0.0019]	[-0.0105, -0.0038]	[-0.0108, -0.0005]
std.err	0.0019	0.0012	0.0024
t-stat	-3.07	-5.86	-2.32
p-value	0.006	0.004	0.033
Population Density			
coef	0.0262	0.1198	0.0002
95%CI	[-0.0290, 0.0814]	[0.0564, 0.1832]	[-0.0352, 0.0356]
std.err	0.0266	0.0228	0.0168
t-stat	0.98	5.25	0.01
p-value	0.336	0.006	0.991
Percentage over 65			
coef	0.1316	0.3849	0.0612
95%CI	[-1.7302, 1.9933]	[-1.0386, 1.8084]	[-2.3111, 2.4335]
std.err	0.8977	0.5127	1.1244
t-stat	0.15	0.75	0.05

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	Overall	Before Lockdown (Jan 24)	After Lockdown (Jan 24)
p-value	0.885	0.495	0.957
GDP per capita			
coef	0.0048	-0.0110	0.0092
95%CI	[-0.0148, 0.0244]	[-0.0252, 0.0033]	[-0.0114,0.0298]
std.err	0.0095	0.0051	0.0098
t-stat	0.51	-2.13	0.94
p-value	0.616	0.100	0.360
No. of doctors			
coef	-0.0057	-0.0109	-0.0043
95%CI	[-0.0089, -0.0025]	[-0.0162, -0.0056]	[-0.0064,-0.0022]
std.err	0.0015	0.0019	0.0010
t-stat	-3.73	-5.69	-4.35
p-value	0.001	0.005	0.0004
Drop of BMI			
coef	0.3135	-0.4107	0.5146
95%CI	[-0.3290, -0.9559]	[-0.6870, -0.1344]	[-0.0995, 1.1287]
std.err	0.3098	0.0995	0.2911
t-stat	1.01	-4.13	1.77
p-value	0.323	0.015	0.095
Inflow population from Wuhan			
coef	-0.0052	-0.0006	-0.0065
95%CI	[-0.0106, 0.0002]	[-0.0011, -0.0002]	[-0.0128, -0.0002]
std.err	0.0026	0.0002	0.0030
t-stat	-1.99	-3.93	-2.17
p-value	0.059	0.017	0.044
Latitude			
coef	0.0040	0.0082	0.0029
95%CI	[-0.0149, 0.0230]	[-0.0132, 0.0296]	[-0.0213, 0.0271]
std.err	0.0091	0.0077	0.0115

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	Overall	Before Lockdown (Jan 24)	After Lockdown (Jan 24)
t-stat	0.44	1.06	0.25
p-value	0.663	0.347	0.804
Longitude			
coef	-0.0110	-0.0293	-0.0059
95%CI	[-0.0209, -0.0010]	[-0.0579, -0.0008]	[-0.0134, 0.0017]
std.err	0.0048	0.0103	0.0036
t-stat	-2.29	-2.85	-1.64
p-value	0.032	0.046	0.119
const			
coef	1.0925	2.1209	0.8069
95%CI	[0.5059, 1.6792]	[1.5697, 2.6721]	[0.5327, 1.0810]
std.err	0.2829	0.1985	0.1299
t-stat	3.86	10.68	6.21
p-value	0.001	0	0

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