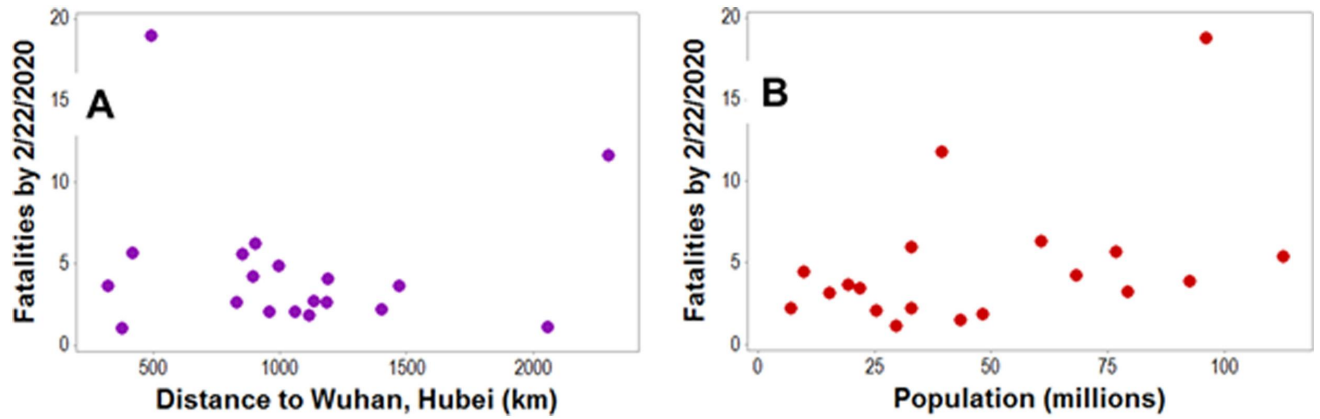


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**S1 Table. The role of distance and population on fatalities**

<b>Province</b>	<b>Distance to Hubei (km)</b>	<b>Population (millions)</b>	<b>Fatalities by 2/22/2020</b>
Hebei	899	75.5	6
Heilongjiang	2254	37.7	12
Shanghai	840	24.2	3
Hainan	1497	9.3	4
Beijing	1152	21.5	4
Henan	514	96.0	19
Shandong	848	100.0	4
Sichuan	1162	83.4	3
Chongqing	878	31.0	6
Hong-Kong	920	7.5	2
Guizhou	1052	36.0	2
Tianjin	1163	15.6	3
Guangdong	985	113.4	5
Jilin	2078	27.0	1
Gansu	1401	26.4	2
Anhui	378	63.2	6
Hunan	340	68.9	4
Jiangxi	357	46.4	1
Guangxi	1110	49.3	2



**S2 Fig. 1. Correlations between geo-referenced features and fatalities. A:** distance from other provinces to Wuhan, Hubei. **B:** population of the 19 provinces or areas listed in SM T1.

**Other supplementary materials for this manuscript include the following:**

**S3 Movie. Geo-dynamics of the covid-19 epidemic in twenty Chinese provinces**