The following two data sets are processed based on the data from Github: stccenter/COVID-19-Data (https://github.com/stccenter/COVID-19-Data), which directly reflects the number of daily confirmed cases and also the number of daily death cases between different Chinese cities. The source data from Github actually come from two sources, one is [dingxiangyuan](https://ncov.dxy.cn/ncovh5/view/pneumonia)(https://ncov.dxy.cn/ncovh5/view/pneumonia), and the second one is [NHC](http://www.nhc.gov.cn/). After checking the accuracy of the data by directly looking up the NHC data from 2020/1/23 to 2021/10/19, we found that some data are not correct, probably because the cases reported in the NHC were not the same as the cases in the dingxiangyuan due to different time that they updated their data. So, we correct the data by checking the real data in NHC websites of each cities, and by far most of them are correct now.

**"** **covid-19 daily confirmed cases.xlsx " file:**

This excel file contains the daily confirmed cases of 362 Chinese cities from Jan 19, 2020 to Dec 12, 2021. The first columns respectively show the English names of the city, where the number in the back of English name in the first column is the administrative district code of a city. The numbers in the first row are the date of the confirmed cases in a specific day. The value in both i-th row and the j-th column (i, j ≥ 2) represents the confirmed cases of covid-19 in such city and in that day.

**"** **covid-19 daily death cases.xlsx " file:**

This excel file contains the daily death cases of 362 Chinese cities from Jan 23, 2020 to Oct 19, 2021. The first two columns respectively show English names and their administrative district codes of 362 Chinese cities. And the numbers in the first row are the date of the death cases in a specific day. The value in i-th row and the j-th column (i, j ≥ 2) denotes the death cases of covid-19 in such city and in that day.

**"** **city\_information.xls"** **file:**

The source data set is from [https://doi.org/10.1073/pnas.2100201118](https://www.pnas.org/content/118/31/e2100201118).

Columns A and B show the English and Chinese names of cities [Notes: some Columns A do not contain the English names of the cities because such region contains several equal level cities, e.g., Henan (Direct Units), Hubei (Direct Units), Hainan (Direct Units), Xinjiang (Direct Units)]; Columns C and D show the English and Chinese names of the provinces to which the city belongs; E shows the population density of the city (unit: persons per square kilometer); F shows the GDP per person of the city (unit: CNY).