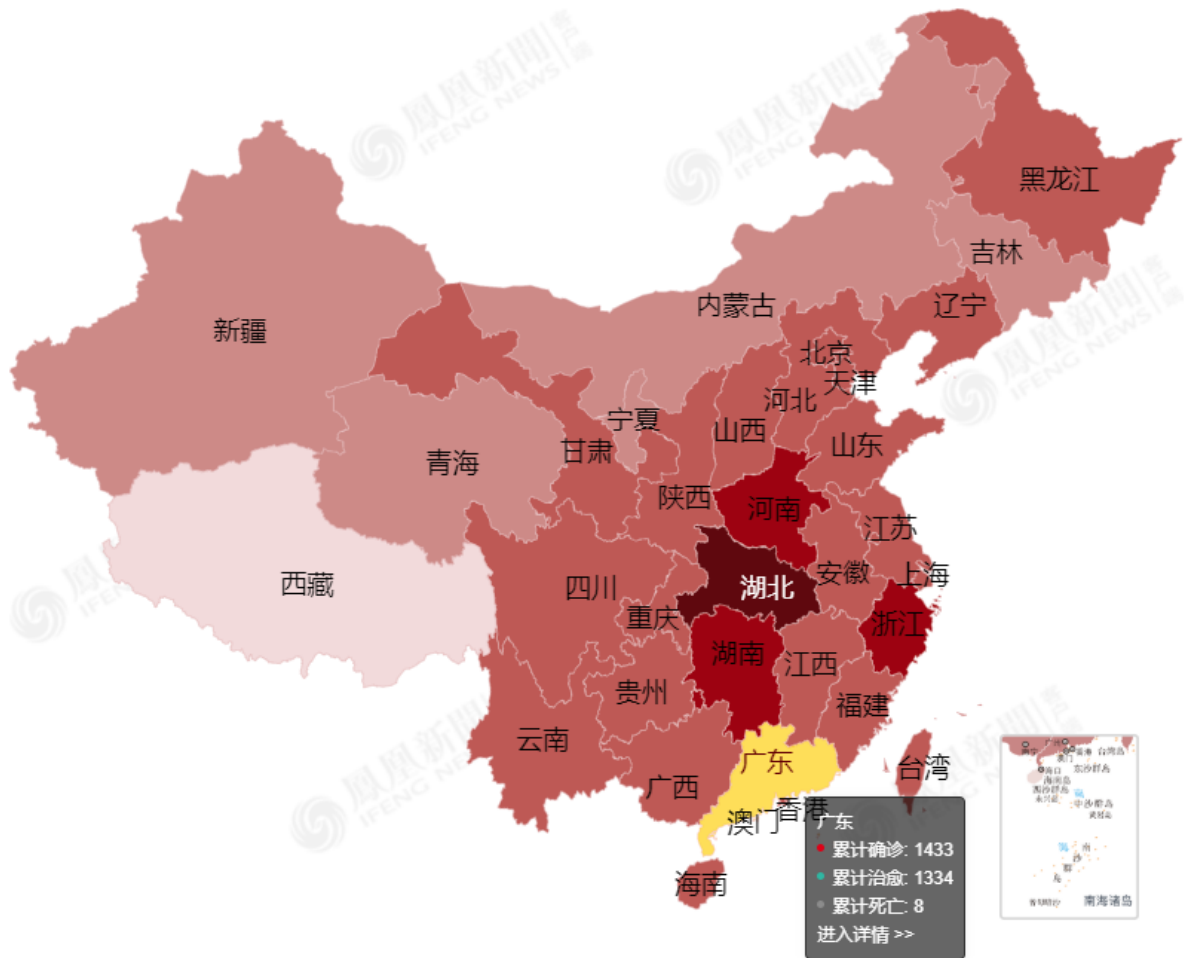# information about the "another service"

To show the widespread of the virus in China, we decide to show the virus confirmed case in China map. Like the other official websites show the cumulative confirmed case in China map.

pyecharts

After compared the main visual library, we decided to use pyecharts to show the Chinese heatmap.

map module

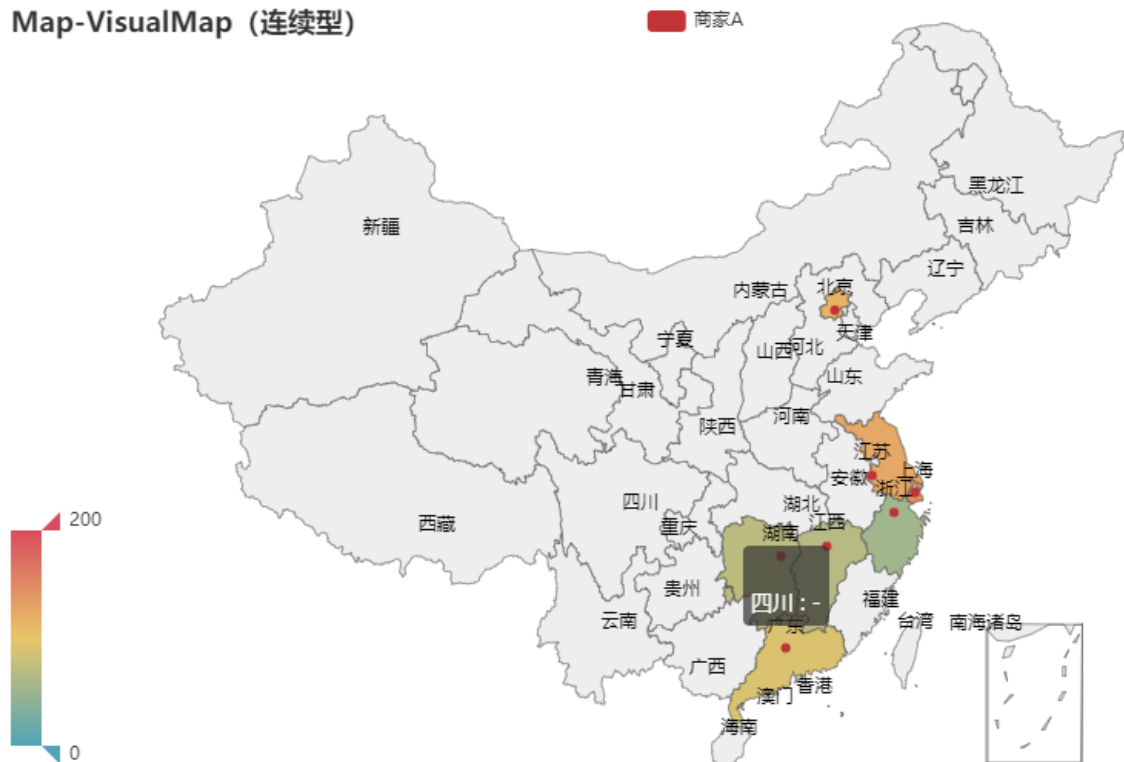the example of Map module show how it work.

```
from pyecharts import options as opts
from pyecharts.charts import Map
from pyecharts.faker import Faker

c = (
    Map()
    .add("商家A", [list(z) for z in zip(Faker.provinces, Faker.values())],
"china")
    .set_global_opts(
        title_opts=opts.TitleOpts(title="Map-VisualMap（连续型）"),
        visualmap_opts=opts.VisualMapOpts(max_=200),
    )
)
```


Map-VisualMap（连续型）

So we just need to collect the confirmed case in each province in China and load the data to redis. Arrange the data as array with key-value("province-name"-"number"). And use heatmap function based on the array.