

```
1 import json
2 import pandas as pd
3
4
5 def read_data_from_json(file_name):
6     with open(file_name, encoding='utf-8') as file:
7         return json.load(file)
8
9
10 def process_data():
11     data = read_data_from_json('l3.json').get('data').get('list')
12     results = []
13
14     for province in data:
15         p_name = province.get('name')
16         cities = province.get('city')
17         for city in cities:
18             c_name = city.get('name')
19             econ = city.get('econNum')
20             con = city.get('conNum')
21             cure = city.get('cureNum')
22             death = city.get('deathNum')
23             zerodays = city.get('zerodays')
24             temp_dict = {'直辖市/省份': p_name, '城市/地区':
15 c_name, '现存确诊': econ,
25                          '累计确诊': con, '治愈': cure, '死亡'
: death, '无病例天数': zerodays}
26             results.append(temp_dict)
27
28     df = pd.DataFrame(results)
29     df = df.astype({'现存确诊': int, '累计确诊': int})
30     df = df[df.get('直辖市/省份') == '四川']
31     df.to_excel('l4_data.xlsx', index=False)
32
33 process_data()
```