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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).get('data').get('list')
8
9
10 def process_data(input_data):
11     infos = []
12     for province in input_data:
13         p_name = province.get('name')
14         cities = province.get('city')
15         for city in cities:
16             city['p_name'] = p_name
17             infos.append(city)
18     df = pd.DataFrame(infos)
19     df = df.rename(columns={'name': '城市/地区', 'conNum': '
    累计确诊', 'cureNum': '治愈',
20                             'deathNum': '死亡', 'econNum': '
    现存确诊',
21                             'zeroday': '最长清零天数', '
    p_name': '省份/直辖市'})
22     df = df.astype({'累计确诊': int, '治愈': int, '死亡': int
    , '现存确诊': int})
23     df.to_excel('l5_data.xlsx', sheet_name='疫情', index=
    False)
24
25
26 data = read_data_from_json('l3.json')
27 process_data(data)
28
```