1.

import json

fn = 'populations.json'

with open(fn) as fnObj:

getDatas = json.load(fnObj)

jsondata1 = [obj for obj in getDatas if obj['Country Name'] != 'World']

for getData in jsondata1:

if getData['Year'] == '2000':

countryName = getData['Country Name']

population = int(float(getData['Numbers']))

print(countryName,

'人口數 =',population)

jsondata2 = [obj for obj in getDatas if obj['Country Name'] == 'World']

for getData in jsondata2:

if getData['Year'] == '2000':

population = int(float(getData['Numbers']))

print('人口總數 =',population)

2.

import pygal.maps.world

worldMap = pygal.maps.world.World()

worldMap.title = 'Populations in Europe/Africa/North America'

worldMap.add('Europe',{'fr':60762406,

'se':1011781,

'ch':71847981})

worldMap.add('Africa',{'eg':67649043,

'cg':49626496,

'za':44000833})

worldMap.add('Europe',{'us':282162848,

'ca':30770661,

'mx':99959895})

worldMap.render\_to\_file('out\_21\_17.svg')