410921208 楊右宇

from selenium import webdriver

from time import sleep

from selenium.webdriver.common.by import By

from selenium.webdriver.chrome.service import Service

import matplotlib.pyplot as plt

import matplotlib.image as img

import requests

import pandas as pd

import numpy as np

url = "https://worldpopulationreview.com/countries/cities/malaysia"

table = pd.read\_html(url)

df = table[0].iloc[:-1, :]

df1 = df[df.iloc[:, 1] > 100000]

df2 = df[df.iloc[:, 1] < 100000]

fig = plt.figure(figsize = (20, 25), facecolor = "lightblue")

# fig.suptitle('Taoyuan Marriage Population', fontsize=16)

width = 0.4

ax1 = fig.add\_subplot(211)

ax1.plot(df2.iloc[:, 0], df2.iloc[:, 1], "g-o")

plt.xticks(rotation = 90)

plt.xlabel("city")

plt.ylabel("population")

plt.title("low population city")

ax2 = fig.add\_subplot(212)

ax2.barh(df1.iloc[:, 0], df1.iloc[:, 1])

plt.ylabel("city")

plt.xlabel("population")

plt.title("high population city")

plt.tight\_layout()

fig.savefig("410921208\_mid-2Crawplot.jpg")

df1.head(10)

df2.head(10)



