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In [2]: import requests
import pandas as pd
import numpy as np
import helium
from time import sleep
from bs4 import BeautifulSoup

In [3]: #Inicio
#Con esta pagina, es el punto de inicio para escoger Los restaurantes 20 destinos mas populares de España
url = "https://www.tripadvisor.es/Restaurants-g187427-Spain.html"
browser = helium.start_chrome(url, headless = True)

# Hacemos .page_source para tomar el html de la página
soup = BeautifulSoup(browser.page_source, "html.parser")

CPU times: total: 15.6 ms
Wall time: 6.25 s

In [4]: #Obtenemos las URLs de Los 20 destinos mas populares de España
urls=[]
for i in soup.find_all("div", class="geo_name"):
    print("https://www.tripadvisor.es" + i.find("a")["href"])
    urls.append("https://www.tripadvisor.es" + i.find("a")["href"])

https://www.tripadvisor.es/Restaurants-g187514-Madrid.html
https://www.tripadvisor.es/Restaurants-g187497-Barcelona_Catalonia.html
https://www.tripadvisor.es/Restaurants-g187463-Majorca_Balearic_Islands.html
https://www.tripadvisor.es/Restaurants-g187479-Tenerife_Canary_Islands.html
https://www.tripadvisor.es/Restaurants-g187529-Valencia_Province_of_Valencia_Valencian_Community.html
https://www.tripadvisor.es/Restaurants-g187473-Gran_Canaria_Canary_Islands.html
https://www.tripadvisor.es/Restaurants-g187443-Seville_Province_of_Seville_Andalucia.html
https://www.tripadvisor.es/Restaurants-g187438-Málaga_Costa_del_Sol_Province_of_Málaga_Andalucia.html
https://www.tripadvisor.es/Restaurants-g187463-Palma_de_Mallorca_Majorca_Balearic_Islands.html
https://www.tripadvisor.es/Restaurants-g186620-Bilbao_Province_of_Alicante_Valencian_Community.html
https://www.tripadvisor.es/Restaurants-g187460-Ibiza_Balearic_Islands.html
https://www.tripadvisor.es/Restaurants-g187441-Granada_Province_of_Granada_Andalucia.html
https://www.tripadvisor.es/Restaurants-g187448-Zaragoza_Province_of_Zaragoza_Aragon.html
https://www.tripadvisor.es/Restaurants-g187472-Las_Palmas_de_Gran_Canaria_Gran_Canaria_Canary_Islands.html
https://www.tripadvisor.es/Restaurants-g187439-Marbella_Costa_del_Sol_Province_of_Málaga_Andalucia.html
https://www.tripadvisor.es/Restaurants-g187477-Lanzarote_Canary_Islands.html
https://www.tripadvisor.es/Restaurants-g187454-Bilbao_Province_of_Vizcaya_Basque_Country.html
https://www.tripadvisor.es/Restaurants-g187430-Cordoba_Province_of_Cordoba_Andalucia.html
https://www.tripadvisor.es/Restaurants-g135915-Fuengirola_Costa_del_Sol_Province_of_Málaga_Andalucia.html
https://www.tripadvisor.es/Restaurants-g187525-Benidorm_Costa_Blanca_Province_of_Alicante_Valencian_Community.html

In [5]: #En esta etapa del proyecto solo se utilizaron Los restaurantes de Madrid
print(urls[0])

https://www.tripadvisor.es/Restaurants-g187514-Madrid.html

In [6]: # Con este código se manipula La url de Madrid para que vaya a todas Las paginas de restaurantes de Madrid
cadena= []
cadena = urls[0].split("/")
cadena

# scalen 30 restaurantes por pagina
url_rest_perpage=
for i in range(330):#330 es total de num índices que se observa en la pagina de restaurantes de madrid
    nueva_cadena = cadena[0] + "-" + cadena[1] + "-" + "oa(30)"+ "-" + cadena[2]
    #print(nueva_cadena)
    url_rest_perpage.append(nueva_cadena)
print(url_rest_perpage[0:5])#muestra para que se vea

[https://www.tripadvisor.es/Restaurants-g187514-oa0-Madrid.html', 'https://www.tripadvisor.es/Restaurants-g187514-oa30-Madrid.html', 'https://www.tripadvisor.es/Restaurants-g187514-oa60-Madrid.html', 'https://www.tripadvisor.es/Restaurants-g187514-oa90-Madrid.html', 'https://www.tripadvisor.es/Restaurants-g187514-oa120-Madrid.html']

In [7]: #Inicio
#Este código tarda 48 min!!!!!!!!!!!!!!!
#Codigo para escoger Los restaurantes por pagina
rest_url = []
for x, y in enumerate(url_rest_perpage):
    print(f"Procesando:{x+1} - URL: {y}")

# Inicial el navegador Helium de forma headless (sin mostrar La ventana del navegador)
driver = helium.start_chrome(y, headless=True)

# Esperar unos segundos para que la página se cargue completamente
sleep(2)

# Crear un objeto BeautifulSoup a partir del HTML de la página
soup = BeautifulSoup(driver.page_source, "html.parser")
# Encontrar todos Los elementos <div> con La clase "RFGBI"
for i in soup.find_all("div", class="RFGBI"):
    href = i.find("a")["href"]
    if href:
        rest_url.append(href)
        #print(f"href:{y}")

# Cerrar La ventana del navegador
driver.quit()

# Imprimir La cantidad total de enlaces encontrados
print(f"Total de enlaces extraídos: {len(rest_url)}")

Procesando:1 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa0-Madrid.html
Procesando:2 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa30-Madrid.html
Procesando:3 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa60-Madrid.html
Procesando:4 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa90-Madrid.html
Procesando:5 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa120-Madrid.html
Procesando:6 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa150-Madrid.html
Procesando:7 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa180-Madrid.html
Procesando:8 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa210-Madrid.html
Procesando:9 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa240-Madrid.html
Procesando:10 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa270-Madrid.html
Procesando:11 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa300-Madrid.html
Procesando:12 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa330-Madrid.html
Procesando:13 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa360-Madrid.html
Procesando:14 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa390-Madrid.html
Procesando:15 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa420-Madrid.html
Procesando:16 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa450-Madrid.html
Procesando:17 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa480-Madrid.html
Procesando:18 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa510-Madrid.html
Procesando:19 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa540-Madrid.html
Procesando:20 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa570-Madrid.html
Procesando:21 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa600-Madrid.html
Procesando:22 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa630-Madrid.html
Procesando:23 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa660-Madrid.html
Procesando:24 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa690-Madrid.html
Procesando:25 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa720-Madrid.html
Procesando:26 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa750-Madrid.html
Procesando:27 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa780-Madrid.html
Procesando:28 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa810-Madrid.html
Procesando:29 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa840-Madrid.html
Procesando:30 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa870-Madrid.html
Procesando:31 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa900-Madrid.html
Procesando:32 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa930-Madrid.html
Procesando:33 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa960-Madrid.html
Procesando:34 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa990-Madrid.html
Procesando:35 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa1020-Madrid.html
Procesando:36 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa1050-Madrid.html
Procesando:37 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa1080-Madrid.html
Procesando:38 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa1110-Madrid.html
Procesando:39 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa1140-Madrid.html
Procesando:40 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa1170-Madrid.html
Procesando:41 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa1200-Madrid.html
Procesando:42 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa1230-Madrid.html
Procesando:43 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa1260-Madrid.html
Procesando:44 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa1290-Madrid.html
Procesando:45 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa1320-Madrid.html
Procesando:46 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa1350-Madrid.html
Procesando:47 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa1380-Madrid.html
Procesando:48 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa1410-Madrid.html
Procesando:49 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa1440-Madrid.html
Procesando:50 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa1470-Madrid.html
Procesando:51 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa1500-Madrid.html
Procesando:52 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa1530-Madrid.html
Procesando:53 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa1560-Madrid.html
Procesando:54 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa1590-Madrid.html
Procesando:55 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa1620-Madrid.html
Procesando:56 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa1650-Madrid.html
Procesando:57 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa1680-Madrid.html
Procesando:58 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa1710-Madrid.html
Procesando:59 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa1740-Madrid.html
Procesando:60 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa1770-Madrid.html
Procesando:61 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa1800-Madrid.html
Procesando:62 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa1830-Madrid.html
Procesando:63 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa1860-Madrid.html
Procesando:64 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa1890-Madrid.html
Procesando:65 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa1920-Madrid.html
Procesando:66 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa1950-Madrid.html
Procesando:67 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa1980-Madrid.html
Procesando:68 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa2010-Madrid.html
Procesando:69 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa2040-Madrid.html
Procesando:70 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa2070-Madrid.html
Procesando:71 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa2100-Madrid.html
Procesando:72 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa2130-Madrid.html
Procesando:73 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa2160-Madrid.html
Procesando:74 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa2190-Madrid.html
Procesando:75 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa2220-Madrid.html
Procesando:76 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa2250-Madrid.html
Procesando:77 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa2280-Madrid.html
Procesando:78 - URL: https://www.tripadvisor.es/Restaurants-g187514-oa2310-Madrid.html

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