1 Capstone Project

1.1 Notebook 1: Data Collection

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2 Project Overview

The COVID-19 pandemic has severely affected the travel industry. International travel has been impacted, and in turn travel companies and travel websites have lost much of their engagement.

However, with the development of new vaccines for the virus, there is hope on the horizon for international travel and a time where life is somewhat back to normal. In order to increase engagement in the travel industry and increase excitement about travel opportunities, the Destination Dictionary was born!

The Destination Dictionary is a data product that allows future travelers to get a prediction for their perfect destination with the input of just a few words. Trained on over 28,000 unique text data points, the Destination Dictionary is able to predict a destination from 12 different popular cities with 81% accuracy based on text input of activities you want to do while on vacation.

2.0.1 Methodology & Data Used

This project utilized data from 12 top cities from TripAdvisor's list of Traveler's Choice destinations for Popular World Destinations 2020, which can be found via this.link (https://www.tripadvisor.com/TravelersChoice-Destinations). The dataset was compiled by scraping the titles from Tripadvisor 'attractions' for each of the 12 cities. The final dataset included over 28,000 unique text values.

```
In [1]:  # Import Statements
2
3 import requests
4 from bs4 import BeautifulSoup
5
6 import pandas as pd
```

2.0.2 Grab the attraction titles for one city

```
In [4]:
             soup.prettify
 Out[4]: <bound method Tag.prettify of <!DOCTYPE html>
         <html lang="en" xmlns:fb="http://www.facebook.com/2008/fbml">
         <head>
         <meta content="text/html; charset=utf-8" http-equiv="content-type"/>
         <link data-rup="long_lived_global_legacy" href="https://static.tacdn.com/</pre>
         css2/build/concat/long_lived_global_legacy-v24030609022a.css" rel="styles
         heet type="text/css"/>
         <link href="https://static.tacdn.com/favicon.ico?v2" id="favicon" rel="ic</pre>
         on" type="image/x-icon"/>
         <link as="font" crossorigin="" href="https://static.tacdn.com/css2/webfon</pre>
         ts/TripAdvisor/TripAdvisor_Regular.woff2?v004.021" rel="preload" type="fo
         nt/woff2"/>
         <link crossorigin="" href="https://static.tacdn.com/css2/webfonts/TripSan</pre>
         s/TripSans.css?v1.002" rel="stylesheet"/>
         <link color="#000000" href="https://static.tacdn.com/img2/brand refresh/a</pre>
         pplication icons/mask-icon.svg" rel="mask-icon" sizes="any">
         <script data-rup="global_error" type="text/javascript">!function(){functi
         on e(e){return"object"==typeof e&&"WARN"===e.level?"WARN":"ERROR"}functio
In [31]:
             container = soup.find('div', id="ATTRACTION_PRODUCTS_LIST")
In [61]:
             attractions = container.find_all('h2')
In [62]:
           1
             attractions
Out[62]: [<h2><a href="/AttractionProductReview-q186338-d11468721-Jack the Ripper
         Tour with Ripper Vision in London-London England.html" onclick="(ta.prwid
         gets.getjs(this, 'handlers')).trackCancelLabel('23256P1','','true');(ta.pr
         widgets.getjs(this, 'handlers')).trackKidPricing('23256P1','','');(ta.prwi
         dgets.getjs(this,'handlers')).trackLangSupport('23256P1','','true');(ta.p
         rwidgets.getjs(this, 'handlers')).trackAndOpenUrl(event, 'attraction produ
         ct card click', '/AttractionProductReview-g186338-d11468721-Jack the Ripp
         er Tour with Ripper Vision in London-London England.html', 'title', 'card
         0', '37352'); "title="Jack the Ripper Tour with 'Ripper-Vision' in Londo
         n">Jack the Ripper Tour with 'Ripper-Vision' in London</a></h2>,
          <h2><a href="/AttractionProductReview-q186338-d12078322-SEA LIFE London"
         Aquarium_Admission_Ticket-London_England.html" onclick="(ta.prwidgets.get
         js(this, 'handlers')).trackCancelLabel('5097LONAQUA','','');(ta.prwidgets.
         getjs(this, 'handlers')).trackKidPricing('5097LONAQUA','', 'true');(ta.prwi
         dgets.getjs(this, 'handlers')).trackLangSupport('5097LONAQUA','','');(ta.p
         rwidgets.getjs(this, 'handlers')).trackAndOpenUrl(event, 'attraction_produ
         ct card click', '/AttractionProductReview-g186338-d12078322-SEA LIFE Lond
         on Aquarium Admission Ticket-London England.html', 'title', 'card 1', '69
         25');" title="SEA LIFE London Aquarium Admission Ticket">SEA LIFE London
```

```
In [66]:
             attractions[0].find('a')
Out[66]: <a href="/AttractionProductReview-q186338-d11468721-Jack the Ripper Tour
         with Ripper_Vision_in_London-London_England.html" onclick="(ta.prwidgets.
         getjs(this, 'handlers')).trackCancelLabel('23256P1','','true');(ta.prwidge
         ts.getjs(this, 'handlers')).trackKidPricing('23256P1','','');(ta.prwidget
         s.getjs(this, 'handlers')).trackLangSupport('23256P1','','true');(ta.prwid
         gets.getjs(this, 'handlers')).trackAndOpenUrl(event, 'attraction product c
         ard_click', '/AttractionProductReview-g186338-d11468721-Jack_the_Ripper_T
         our with Ripper Vision in London-London England.html', 'title', 'card 0',
         '37352');" title="Jack the Ripper Tour with 'Ripper-Vision' in London">Ja
         ck the Ripper Tour with 'Ripper-Vision' in London</a>
In [70]:
             attractions[0].find('a').attrs['title']
Out[70]: "Jack the Ripper Tour with 'Ripper-Vision' in London"
             final attractions = []
In [81]:
           1
           2
             for attraction in attractions:
           3
                 att = attraction.find('a')
           4
                 if hasattr(att, 'title'):
           5
                     final attractions.append(att.attrs['title'])
In [82]:
             final attractions
Out[82]: ["Jack the Ripper Tour with 'Ripper-Vision' in London",
           'SEA LIFE London Aquarium Admission Ticket',
          'Big Bus London Hop-On Hop-Off Tour and River Cruise with Optional Londo
         n Eye',
          'Alcotraz: Prison Cocktail Experience (Shoreditch)',
          'Oxford Sightseeing River Cruise Along The University Regatta Course',
          'Phantom of the Opera',
          'Warner Bros. Studio: The Making of Harry Potter with Luxury Round-Trip
         Transport from London',
          'Private DJ Class in London',
          'The Blood and Tears Walk: Serial Killers and London Horror',
          'Ghost Bus Tour of London',
          '2-Hour Cycle Tour of Oxford',
          'Emirates Airline Cable Car and One Way Uber Boat by Thames Clippers jou
          'Rock Cab Tours Presents: The Music Legends Tour of London',
          'Royal High Tea At Kensington Palace',
          'High-Speed Thames River RIB Cruise in London',
          'Charming London Private Tour: Little Venice Canals & Gardens Exploratio
```

2.0.3 Make a function to grab attraction titles for any city

```
In [86]:
           1
             def get_attractions(html_path):
           2
           3
                 input html path from TripAdvisor as a string
           4
                 returns list of attraction names from that page
           5
           6
                 html = requests.get(html path)
           7
                 soup = BeautifulSoup(html.content, 'html.parser')
                 container = soup.find('div', id="ATTRACTION PRODUCTS LIST")
           8
           9
                 attractions = container.findAll('h2')
          10
                 final attractions = []
          11
                  for attraction in attractions:
          12
                      att = attraction.find('a')
                      if hasattr(att, 'title'):
          13
                          final attractions.append(att.attrs['title'])
          14
                 return final attractions
          15
```

```
In [87]:
             london attractions = get attractions('https://www.tripadvisor.com/Attra
In [88]:
             london_attractions
Out[88]: ['SEA LIFE London Aquarium Admission Ticket',
          'Big Bus London Hop-On Hop-Off Tour and River Cruise with Optional Londo
         n Eye',
          'Alcotraz: Prison Cocktail Experience (Shoreditch)',
          'Oxford Sightseeing River Cruise Along The University Regatta Course',
          'Phantom of the Opera',
          'Warner Bros. Studio: The Making of Harry Potter with Luxury Round-Trip
         Transport from London',
          'Private DJ Class in London',
          'The Blood and Tears Walk: Serial Killers and London Horror',
          'Ghost Bus Tour of London',
          '2-Hour Cycle Tour of Oxford',
          'Emirates Airline Cable Car and One Way Uber Boat by Thames Clippers jou
         rney',
          'Rock Cab Tours Presents: The Music Legends Tour of London',
          'Royal High Tea At Kensington Palace',
          'High-Speed Thames River RIB Cruise in London',
          'Charming London Private Tour: Little Venice Canals & Gardens Exploratio
         n Game',
```

2.0.4 Get all attractions from all 94 pages

```
In [111]:
            1
               # Create list of all htmls for London
            2
               london htmls = ['http://tripadvisor.com/Attraction Products-g186338-a s
            3
              1
            4
               for i in range(2, 95):
            5
                   base = 'http://tripadvisor.com/Attraction_Products-g186338-a_sort.'
            6
                   page = '-oa' + str(30*i - 30)
            7
                   end = '-London_England.html#ATTRACTION_LIST'
            8
                   html = base + page + end
            9
                   london_htmls.append(str(html))
           10
           11
              print(london_htmls)
```

['http://tripadvisor.com/Attraction Products-g186338-a sort.-London Engla nd.html#ATTRACTION_LIST', 'http://tripadvisor.com/Attraction_Products-g18 6338-a sort.-oa30-London England.html#ATTRACTION LIST', 'http://tripadvis or.com/Attraction_Products-g186338-a_sort.-oa60-London_England.html#ATTRA CTION_LIST', 'http://tripadvisor.com/Attraction_Products-g186338-a_sort.oa90-London_England.html#ATTRACTION_LIST', 'http://tripadvisor.com/Attrac tion Products-g186338-a sort.-oa120-London England.html#ATTRACTION LIST', 'http://tripadvisor.com/Attraction_Products-g186338-a_sort.-oa150-London_ England.html#ATTRACTION_LIST', 'http://tripadvisor.com/Attraction_Product s-g186338-a sort.-oa180-London England.html#ATTRACTION LIST', 'http://tri padvisor.com/Attraction_Products-g186338-a_sort.-oa210-London_England.htm l#ATTRACTION_LIST', 'http://tripadvisor.com/Attraction_Products-g186338-a _sort.-oa240-London_England.html#ATTRACTION_LIST', 'http://tripadvisor.co m/Attraction_Products-g186338-a_sort.-oa270-London_England.html#ATTRACTIO N LIST', 'http://tripadvisor.com/Attraction Products-g186338-a sort.-oa30 O-London_England.html#ATTRACTION_LIST', 'http://tripadvisor.com/Attractio n_Products-g186338-a_sort.-oa330-London_England.html#ATTRACTION_LIST', 'h ttp://tripadvisor.com/Attraction Products-g186338-a sort.-oa360-London En gland.html#ATTRACTION LIST', 'http://tripadvisor.com/Attraction Productsg186338-a_sort.-oa390-London_England.html#ATTRACTION_LIST', 'http://tripa dvisor.com/Attraction Products-g186338-a sort.-oa420-London England.html# ATTRACTION LIST', 'http://tripadvisor.com/Attraction Products-g186338-a s ort.-oa450-London_England.html#ATTRACTION_LIST', 'http://tripadvisor.com/ Attraction Products-g186338-a sort.-oa480-London England.html#ATTRACTION LIST', 'http://tripadvisor.com/Attraction Products-g186338-a sort.-oa510-London England.html#ATTRACTION LIST', 'http://tripadvisor.com/Attraction Products-g186338-a sort.-oa540-London England.html#ATTRACTION LIST', 'htt p://tripadvisor.com/Attraction_Products-g186338-a_sort.-oa570-London_Engl and.html#ATTRACTION LIST', 'http://tripadvisor.com/Attraction Products-g1 86338-a_sort.-oa600-London_England.html#ATTRACTION_LIST', 'http://tripadv isor.com/Attraction Products-g186338-a sort.-oa630-London England.html#AT TRACTION LIST', 'http://tripadvisor.com/Attraction Products-g186338-a sor t.-oa660-London_England.html#ATTRACTION_LIST', 'http://tripadvisor.com/At traction_Products-g186338-a_sort.-oa690-London_England.html#ATTRACTION_LI ST', 'http://tripadvisor.com/Attraction Products-g186338-a sort.-oa720-Lo ndon_England.html#ATTRACTION_LIST', 'http://tripadvisor.com/Attraction_Pr oducts-g186338-a sort.-oa750-London England.html#ATTRACTION LIST', 'htt p://tripadvisor.com/Attraction Products-g186338-a sort.-oa780-London Engl and.html#ATTRACTION_LIST', 'http://tripadvisor.com/Attraction_Products-g1 86338-a_sort.-oa810-London_England.html#ATTRACTION_LIST', 'http://tripadv isor.com/Attraction Products-g186338-a sort.-oa840-London England.html#AT TRACTION_LIST', 'http://tripadvisor.com/Attraction_Products-g186338-a_sor t.-oa870-London England.html#ATTRACTION LIST', 'http://tripadvisor.com/At traction Products-g186338-a sort.-oa900-London England.html#ATTRACTION LI ST', 'http://tripadvisor.com/Attraction Products-g186338-a sort.-oa930-Lo

ndon England.html#ATTRACTION LIST', 'http://tripadvisor.com/Attraction Pr oducts-g186338-a_sort.-oa960-London_England.html#ATTRACTION_LIST', 'htt p://tripadvisor.com/Attraction_Products-g186338-a_sort.-oa990-London_Engl and.html#ATTRACTION_LIST', 'http://tripadvisor.com/Attraction_Products-g1 86338-a_sort.-oa1020-London_England.html#ATTRACTION_LIST', 'http://tripad visor.com/Attraction_Products-g186338-a_sort.-oa1050-London_England.html# ATTRACTION_LIST', 'http://tripadvisor.com/Attraction_Products-g186338-a_s ort.-oa1080-London_England.html#ATTRACTION_LIST', 'http://tripadvisor.co m/Attraction Products-g186338-a sort.-oa1110-London England.html#ATTRACTI ON LIST', 'http://tripadvisor.com/Attraction Products-g186338-a sort.-oal 140-London_England.html#ATTRACTION_LIST', 'http://tripadvisor.com/Attract ion_Products-g186338-a_sort.-oa1170-London_England.html#ATTRACTION_LIST', 'http://tripadvisor.com/Attraction_Products-g186338-a_sort.-oa1200-London England.html#ATTRACTION LIST', 'http://tripadvisor.com/Attraction Produc ts-g186338-a_sort.-oa1230-London_England.html#ATTRACTION_LIST', 'http://t ripadvisor.com/Attraction Products-g186338-a sort.-oa1260-London England. html#ATTRACTION_LIST', 'http://tripadvisor.com/Attraction_Products-g18633 8-a_sort.-oa1290-London_England.html#ATTRACTION_LIST', 'http://tripadviso r.com/Attraction_Products-g186338-a sort.-oa1320-London_England.html#ATTR ACTION LIST', 'http://tripadvisor.com/Attraction Products-g186338-a sort. -oa1350-London_England.html#ATTRACTION_LIST', 'http://tripadvisor.com/Att raction Products-g186338-a sort.-oa1380-London England.html#ATTRACTION LI ST', 'http://tripadvisor.com/Attraction_Products-g186338-a_sort.-oa1410-L ondon England.html#ATTRACTION_LIST', 'http://tripadvisor.com/Attraction_P roducts-g186338-a_sort.-oa1440-London_England.html#ATTRACTION_LIST', 'htt p://tripadvisor.com/Attraction_Products-g186338-a_sort.-oa1470-London_Eng land.html#ATTRACTION_LIST', 'http://tripadvisor.com/Attraction_Products-g 186338-a_sort.-oa1500-London_England.html#ATTRACTION_LIST', 'http://tripa dvisor.com/Attraction Products-g186338-a sort.-oa1530-London England.html #ATTRACTION_LIST', 'http://tripadvisor.com/Attraction_Products-g186338-a_ sort.-oa1560-London_England.html#ATTRACTION_LIST', 'http://tripadvisor.co m/Attraction Products-g186338-a sort.-oa1590-London England.html#ATTRACTI ON LIST', 'http://tripadvisor.com/Attraction Products-g186338-a sort.-oal 620-London England.html#ATTRACTION LIST', 'http://tripadvisor.com/Attract ion Products-g186338-a sort.-oa1650-London England.html#ATTRACTION LIST', 'http://tripadvisor.com/Attraction Products-g186338-a sort.-oa1680-London _England.html#ATTRACTION_LIST', 'http://tripadvisor.com/Attraction_Produc ts-g186338-a sort.-oa1710-London England.html#ATTRACTION LIST', 'http://t ripadvisor.com/Attraction Products-g186338-a sort.-oa1740-London England. html#ATTRACTION_LIST', 'http://tripadvisor.com/Attraction_Products-g18633 8-a sort.-oa1770-London England.html#ATTRACTION LIST', 'http://tripadviso r.com/Attraction Products-g186338-a sort.-oa1800-London England.html#ATTR ACTION_LIST', 'http://tripadvisor.com/Attraction_Products-g186338-a_sort. -oa1830-London England.html#ATTRACTION LIST', 'http://tripadvisor.com/Att raction Products-g186338-a sort.-oa1860-London England.html#ATTRACTION LI ST', 'http://tripadvisor.com/Attraction Products-g186338-a sort.-oa1890-L ondon_England.html#ATTRACTION_LIST', 'http://tripadvisor.com/Attraction_P roducts-g186338-a sort.-oa1920-London England.html#ATTRACTION LIST', 'htt p://tripadvisor.com/Attraction_Products-g186338-a_sort.-oa1950-London_Eng land.html#ATTRACTION_LIST', 'http://tripadvisor.com/Attraction_Products-g 186338-a sort.-oa1980-London England.html#ATTRACTION LIST', 'http://tripa dvisor.com/Attraction Products-g186338-a sort.-oa2010-London England.html #ATTRACTION_LIST', 'http://tripadvisor.com/Attraction_Products-g186338-a_ sort.-oa2040-London England.html#ATTRACTION LIST', 'http://tripadvisor.co m/Attraction Products-g186338-a sort.-oa2070-London England.html#ATTRACTI ON_LIST', 'http://tripadvisor.com/Attraction_Products-g186338-a_sort.-oa2 100-London_England.html#ATTRACTION_LIST', 'http://tripadvisor.com/Attract

ion Products-g186338-a sort.-oa2130-London England.html#ATTRACTION LIST', 'http://tripadvisor.com/Attraction_Products-g186338-a_sort.-oa2160-London _England.html#ATTRACTION_LIST', 'http://tripadvisor.com/Attraction_Produc ts-g186338-a sort.-oa2190-London England.html#ATTRACTION LIST', 'http://t ripadvisor.com/Attraction Products-g186338-a sort.-oa2220-London England. html#ATTRACTION_LIST', 'http://tripadvisor.com/Attraction_Products-g18633 8-a_sort.-oa2250-London_England.html#ATTRACTION_LIST', 'http://tripadviso r.com/Attraction_Products-g186338-a_sort.-oa2280-London_England.html#ATTR ACTION_LIST', 'http://tripadvisor.com/Attraction_Products-g186338-a sort. -oa2310-London England.html#ATTRACTION LIST', 'http://tripadvisor.com/Att raction Products-q186338-a sort.-oa2340-London England.html#ATTRACTION LI ST', 'http://tripadvisor.com/Attraction_Products-g186338-a_sort.-oa2370-L ondon England.html#ATTRACTION_LIST', 'http://tripadvisor.com/Attraction_P roducts-g186338-a_sort.-oa2400-London_England.html#ATTRACTION_LIST', 'htt p://tripadvisor.com/Attraction_Products-g186338-a_sort.-oa2430-London_Eng land.html#ATTRACTION_LIST', 'http://tripadvisor.com/Attraction_Products-g 186338-a_sort.-oa2460-London_England.html#ATTRACTION_LIST', 'http://tripa dvisor.com/Attraction_Products-g186338-a_sort.-oa2490-London_England.html #ATTRACTION_LIST', 'http://tripadvisor.com/Attraction_Products-g186338-a_ sort.-oa2520-London_England.html#ATTRACTION_LIST', 'http://tripadvisor.co m/Attraction Products-g186338-a sort.-oa2550-London England.html#ATTRACTI ON_LIST', 'http://tripadvisor.com/Attraction_Products-g186338-a_sort.-oa2 580-London England.html#ATTRACTION_LIST', 'http://tripadvisor.com/Attract ion_Products-g186338-a_sort.-oa2610-London_England.html#ATTRACTION_LIST', 'http://tripadvisor.com/Attraction_Products-g186338-a_sort.-oa2640-London _England.html#ATTRACTION_LIST', 'http://tripadvisor.com/Attraction_Produc ts-g186338-a sort.-oa2670-London_England.html#ATTRACTION_LIST', 'http://t ripadvisor.com/Attraction Products-g186338-a sort.-oa2700-London England. html#ATTRACTION LIST', 'http://tripadvisor.com/Attraction Products-g18633 8-a sort.-oa2730-London England.html#ATTRACTION LIST', 'http://tripadviso r.com/Attraction_Products-g186338-a_sort.-oa2760-London_England.html#ATTR ACTION LIST', 'http://tripadvisor.com/Attraction Products-g186338-a sort. -oa2790-London England.html#ATTRACTION LIST']

```
In [112]:
            1
              def get_all_attractions(html_list):
            2
            3
                   input list of strings of html paths from TripAdvisor
            4
                   returns list of attraction names from all pages
            5
            6
                   final_attractions = []
            7
                   for html in html list:
            8
                       html = requests.get(html)
            9
                       soup = BeautifulSoup(html .content, 'html.parser')
                       container = soup.find('div', id="ATTRACTION PRODUCTS LIST")
           10
           11
                       attractions = container.findAll('h2')
           12
                       new_attractions = []
           13
                       for attraction in attractions:
           14
                           att = attraction.find('a')
                           if hasattr(att, 'title'):
           15
           16
                               new attractions.append(att.attrs['title'])
           17
                       final_attractions.extend(new_attractions)
           18
                   return final_attractions
```

```
In [105]: 1 # Warning! Takes a few mins to run
2 all_london_attractions = get_all_attractions(london_htmls)
```

```
In [106]:
                 len(all_london_attractions)
Out[106]: 2803
In [107]:
                 all_london_attractions[:5]
Out[107]: ['SEA LIFE London Aquarium Admission Ticket',
             'The Jack The Ripper Walking Tour in London ',
             'Ghost Bus Tour of London',
             'Big Bus London Hop-On Hop-Off Tour and River Cruise with Optional Londo
            n Eye',
              'The Blood and Tears Walk: Serial Killers and London Horror'
In [114]:
                 # Make into a DataFrame
                 london_df = pd.DataFrame(all_london_attractions, columns=['Attraction']
              2
In [118]:
                 london_df['City'] = 'London, United Kingdom'
              1
In [119]:
                 london df
Out[119]:
                                                   Attraction
                                                                             City
                        SEA LIFE London Aquarium Admission Ticket London, United Kingdom
                0
                1
                         The Jack The Ripper Walking Tour in London London, United Kingdom
                2
                                       Ghost Bus Tour of London London, United Kingdom
                  Big Bus London Hop-On Hop-Off Tour and River C... London, United Kingdom
                      The Blood and Tears Walk: Serial Killers and L... London, United Kingdom
                4
             2798
                                       Stonehenge & Winchester London, United Kingdom
                     Private Transfer: Heathrow to Southampton Crui... London, United Kingdom
             2799
                    2 Day Stay Package Tour in London with English... London, United Kingdom
             2800
             2801
                       Bicester Village Shopping Outlet Private Tour ... London, United Kingdom
                   Big Bus London Christmas Light Open-Top Night ... London, United Kingdom
             2802
            2803 rows × 2 columns
In [123]:
                 # Save DF to repo
              1
                 london df.to csv('/Users/tiaplagata/Documents/Flatiron/capstone-project
            2.0.5 Repeat for all top 10 cities
```

2. Paris

```
In [187]: 1 paris_html = 'https://www.tripadvisor.com/Attraction_Products-g187147-P
```

```
In [188]:
               # Create list of all htmls for Paris
            2
               paris htmls = [paris html]
            3
               for i in range(2, 91):
            4
                   base = 'https://www.tripadvisor.com/Attraction_Products-g187147-a_s
            5
                   page = '-oa' + str(30*i - 30)
            6
                   end = '-Paris_Ile de France.html#ATTRACTION_LIST'
            7
                   html = base + page + end
            8
                   paris htmls.append(str(html))
            9
           10
              print(paris_htmls)
```

['https://www.tripadvisor.com/Attraction Products-g187147-Paris Ile de Fr ance.html', 'https://www.tripadvisor.com/Attraction_Products-g187147-a_so rt.-oa30-Paris_Ile_de_France.html#ATTRACTION_LIST', 'https://www.tripadvi sor.com/Attraction_Products-g187147-a_sort.-oa60-Paris_Ile_de_France.html #ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Products-g1871 47-a_sort.-oa90-Paris_Ile_de_France.html#ATTRACTION_LIST', 'https://www.t ripadvisor.com/Attraction Products-g187147-a sort.-oa120-Paris Ile de Fra nce.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Produc ts-g187147-a sort.-oa150-Paris Ile de France.html#ATTRACTION_LIST', 'http s://www.tripadvisor.com/Attraction_Products-g187147-a_sort.-oa180-Paris_I le de France.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attracti on_Products-g187147-a_sort.-oa210-Paris_Ile_de_France.html#ATTRACTION_LIS T', 'https://www.tripadvisor.com/Attraction_Products-g187147-a_sort.-oa24 O-Paris_Ile_de_France.html#ATTRACTION_LIST', 'https://www.tripadvisor.co m/Attraction_Products-g187147-a_sort.-oa270-Paris_Ile_de_France.html#ATTR ACTION LIST', 'https://www.tripadvisor.com/Attraction Products-g187147-a sort.-oa300-Paris Ile de France.html#ATTRACTION LIST', 'https://www.tripa dvisor.com/Attraction_Products-g187147-a_sort.-oa330-Paris_Ile_de_France. html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Products-g 187147-a_sort.-oa360-Paris_Ile_de_France.html#ATTRACTION LIST', 'https:// www.tripadvisor.com/Attraction Products-g187147-a sort.-oa390-Paris Ile d e_France.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_P roducts-g187147-a sort.-oa420-Paris Ile de France.html#ATTRACTION LIST', 'https://www.tripadvisor.com/Attraction Products-g187147-a sort.-oa450-Pa ris_Ile_de_France.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Att raction_Products-g187147-a_sort.-oa480-Paris_Ile_de_France.html#ATTRACTIO N LIST', 'https://www.tripadvisor.com/Attraction Products-g187147-a sort. -oa510-Paris_Ile_de_France.html#ATTRACTION_LIST', 'https://www.tripadviso r.com/Attraction_Products-g187147-a_sort.-oa540-Paris_Ile_de_France.html# ATTRACTION LIST', 'https://www.tripadvisor.com/Attraction Products-g18714 7-a_sort.-oa570-Paris_Ile_de_France.html#ATTRACTION_LIST', 'https://www.t ripadvisor.com/Attraction_Products-g187147-a_sort.-oa600-Paris_Ile_de_Fra nce.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Produc ts-g187147-a sort.-oa630-Paris Ile de France.html#ATTRACTION LIST', 'http s://www.tripadvisor.com/Attraction_Products-g187147-a_sort.-oa660-Paris_I le_de_France.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attracti on Products-g187147-a sort.-oa690-Paris Ile de France.html#ATTRACTION LIS T', 'https://www.tripadvisor.com/Attraction Products-g187147-a sort.-oa72 0-Paris Ile de France.html#ATTRACTION LIST', 'https://www.tripadvisor.co m/Attraction_Products-g187147-a_sort.-oa750-Paris_Ile_de_France.html#ATTR ACTION_LIST', 'https://www.tripadvisor.com/Attraction_Products-g187147-a_ sort.-oa780-Paris_Ile_de_France.html#ATTRACTION_LIST', 'https://www.tripa dvisor.com/Attraction Products-g187147-a sort.-oa810-Paris Ile de France. html#ATTRACTION LIST', 'https://www.tripadvisor.com/Attraction Products-g 187147-a_sort.-oa840-Paris_Ile_de_France.html#ATTRACTION_LIST', 'https:// www.tripadvisor.com/Attraction Products-g187147-a sort.-oa870-Paris Ile d

e France.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_P roducts-g187147-a_sort.-oa900-Paris_Ile_de_France.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Products-g187147-a_sort.-oa930-Pa ris_Ile_de_France.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Att raction Products-g187147-a_sort.-oa960-Paris_Ile_de_France.html#ATTRACTIO N_LIST', 'https://www.tripadvisor.com/Attraction_Products-g187147-a_sort. -oa990-Paris_Ile_de_France.html#ATTRACTION_LIST', 'https://www.tripadviso r.com/Attraction Products-g187147-a sort.-oa1020-Paris Ile de France.html #ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Products-g1871 47-a sort.-oa1050-Paris Ile de France.html#ATTRACTION LIST', 'https://ww w.tripadvisor.com/Attraction_Products-g187147-a_sort.-oa1080-Paris_Ile_de _France.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Pr oducts-g187147-a_sort.-oa1110-Paris_Ile_de_France.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Products-g187147-a_sort.-oa1140-P aris_Ile_de_France.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/At traction_Products-g187147-a_sort.-oa1170-Paris_Ile_de_France.html#ATTRACT ION_LIST', 'https://www.tripadvisor.com/Attraction_Products-g187147-a_sor t.-oa1200-Paris_Ile_de_France.html#ATTRACTION_LIST', 'https://www.tripadv isor.com/Attraction_Products-g187147-a_sort.-oa1230-Paris_Ile_de_France.h tml#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Products-g1 87147-a_sort.-oa1260-Paris_Ile_de_France.html#ATTRACTION_LIST', 'https:// www.tripadvisor.com/Attraction Products-g187147-a sort.-oa1290-Paris Ile de France.html#ATTRACTION LIST', 'https://www.tripadvisor.com/Attraction Products-g187147-a sort.-oa1320-Paris Ile de France.html#ATTRACTION LIS T', 'https://www.tripadvisor.com/Attraction_Products-g187147-a_sort.-oa13 50-Paris_Ile_de_France.html#ATTRACTION_LIST', 'https://www.tripadvisor.co m/Attraction_Products-g187147-a_sort.-oa1380-Paris_Ile_de_France.html#ATT RACTION_LIST', 'https://www.tripadvisor.com/Attraction_Products-g187147-a sort.-oa1410-Paris Ile de France.html#ATTRACTION LIST', 'https://www.tri padvisor.com/Attraction Products-g187147-a sort.-oa1440-Paris Ile de Fran ce.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Product s-g187147-a sort.-oa1470-Paris Ile de France.html#ATTRACTION LIST', 'http s://www.tripadvisor.com/Attraction_Products-g187147-a_sort.-oa1500-Paris_ Ile de France.html#ATTRACTION LIST', 'https://www.tripadvisor.com/Attract ion Products-g187147-a sort.-oa1530-Paris Ile de France.html#ATTRACTION L IST', 'https://www.tripadvisor.com/Attraction Products-g187147-a sort.-oa 1560-Paris_Ile_de_France.html#ATTRACTION_LIST', 'https://www.tripadvisor. com/Attraction Products-g187147-a sort.-oa1590-Paris Ile de France.html#A TTRACTION LIST', 'https://www.tripadvisor.com/Attraction Products-g187147 -a_sort.-oa1620-Paris_Ile_de_France.html#ATTRACTION_LIST', 'https://www.t ripadvisor.com/Attraction_Products-g187147-a_sort.-oa1650-Paris_Ile_de_Fr ance.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Produ cts-g187147-a_sort.-oa1680-Paris_Ile_de_France.html#ATTRACTION_LIST', 'ht tps://www.tripadvisor.com/Attraction Products-g187147-a sort.-oa1710-Pari s_Ile_de_France.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attra ction Products-g187147-a sort.-oa1740-Paris Ile de France.html#ATTRACTION _LIST', 'https://www.tripadvisor.com/Attraction_Products-g187147-a_sort.oa1770-Paris Ile de France.html#ATTRACTION LIST', 'https://www.tripadviso r.com/Attraction_Products-g187147-a_sort.-oa1800-Paris_Ile_de_France.html #ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction Products-g1871 47-a_sort.-oa1830-Paris_Ile_de_France.html#ATTRACTION LIST', 'https://ww w.tripadvisor.com/Attraction Products-g187147-a sort.-oa1860-Paris Ile de _France.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Pr oducts-g187147-a sort.-oa1890-Paris Ile de France.html#ATTRACTION LIST', 'https://www.tripadvisor.com/Attraction_Products-g187147-a_sort.-oa1920-P aris_Ile_de_France.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/At traction Products-g187147-a sort.-oa1950-Paris Ile de France.html#ATTRACT

ION LIST', 'https://www.tripadvisor.com/Attraction Products-g187147-a sor t.-oa1980-Paris_Ile_de_France.html#ATTRACTION_LIST', 'https://www.tripadv isor.com/Attraction Products-g187147-a sort.-oa2010-Paris Ile de France.h tml#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Products-g1 87147-a_sort.-oa2040-Paris_Ile_de_France.html#ATTRACTION_LIST', 'https:// www.tripadvisor.com/Attraction_Products-g187147-a_sort.-oa2070-Paris_Ile_ de France.html#ATTRACTION LIST', 'https://www.tripadvisor.com/Attraction Products-g187147-a sort.-oa2100-Paris_Ile_de_France.html#ATTRACTION_LIS T', 'https://www.tripadvisor.com/Attraction_Products-g187147-a_sort.-oa21 30-Paris Ile de France.html#ATTRACTION LIST', 'https://www.tripadvisor.co m/Attraction_Products-g187147-a_sort.-oa2160-Paris_Ile_de_France.html#ATT RACTION_LIST', 'https://www.tripadvisor.com/Attraction_Products-g187147-a _sort.-oa2190-Paris_Ile_de_France.html#ATTRACTION_LIST', 'https://www.tri padvisor.com/Attraction Products-g187147-a sort.-oa2220-Paris Ile de Fran ce.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Product s-g187147-a_sort.-oa2250-Paris_Ile_de_France.html#ATTRACTION_LIST', 'http s://www.tripadvisor.com/Attraction_Products-g187147-a_sort.-oa2280-Paris_ Ile_de_France.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attract ion_Products-g187147-a_sort.-oa2310-Paris_Ile_de_France.html#ATTRACTION_L IST', 'https://www.tripadvisor.com/Attraction_Products-g187147-a_sort.-oa 2340-Paris_Ile_de_France.html#ATTRACTION_LIST', 'https://www.tripadvisor. com/Attraction Products-g187147-a sort.-oa2370-Paris Ile de France.html#A TTRACTION_LIST', 'https://www.tripadvisor.com/Attraction Products-g187147 -a_sort.-oa2400-Paris_Ile_de_France.html#ATTRACTION_LIST', 'https://www.t ripadvisor.com/Attraction Products-g187147-a sort.-oa2430-Paris_Ile de Fr ance.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Produ cts-g187147-a sort.-oa2460-Paris_Ile_de_France.html#ATTRACTION_LIST', 'ht tps://www.tripadvisor.com/Attraction Products-g187147-a sort.-oa2490-Pari s Ile de France.html#ATTRACTION LIST', 'https://www.tripadvisor.com/Attra ction Products-g187147-a sort.-oa2520-Paris Ile de France.html#ATTRACTION _LIST', 'https://www.tripadvisor.com/Attraction_Products-g187147-a_sort.oa2550-Paris Ile de France.html#ATTRACTION LIST', 'https://www.tripadviso r.com/Attraction Products-g187147-a sort.-oa2580-Paris Ile de France.html #ATTRACTION LIST', 'https://www.tripadvisor.com/Attraction Products-g1871 47-a sort.-oa2610-Paris Ile de France.html#ATTRACTION LIST', 'https://ww w.tripadvisor.com/Attraction Products-g187147-a sort.-oa2640-Paris Ile de _France.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Pr oducts-g187147-a sort.-oa2670-Paris Ile de France.html#ATTRACTION LIST']

```
In [189]: 1 all_attractions_paris = get_all_attractions(paris_htmls)
2 print(len(all_attractions_paris))
3 print(all_attractions_paris[:5])
```

2689

['Bateaux Parisiens Seine River Gourmet Dinner & Sightseeing Cruise', 'Lo uvre Museum Skip the Line Access Guided Tour with Venus de Milo & Mona Li sa', "Paris' Louvre Museum Virtual Guided Tour", 'See 30 Plus Top Paris S ights with a Fun Guide', 'Paris Sightseeing Guided Bike Tour Like a Paris ian with a Local Guide']

Out[190]:

	Attraction	City
0	Bateaux Parisiens Seine River Gourmet Dinner &	Paris, France
1	Louvre Museum Skip the Line Access Guided Tour	Paris, France
2	Paris' Louvre Museum Virtual Guided Tour	Paris, France
3	See 30 Plus Top Paris Sights with a Fun Guide	Paris, France
4	Paris Sightseeing Guided Bike Tour Like a Pari	Paris, France

```
In [191]: 1 paris_df.to_csv('/Users/tiaplagata/Documents/Flatiron/capstone-project/
```

3. Crete, Greece

```
In [183]:
            1
               # Create list of all htmls for Crete
            2
               crete htmls = ['https://www.tripadvisor.com/Attraction Products-g189413
            3
            4
               for i in range(2, 36):
            5
                   base = 'https://www.tripadvisor.com/Attraction_Products-g189413-a_s
            6
                   page = '-oa' + str(30*i - 30)
            7
                   end = '-Crete.html#ATTRACTION LIST'
            8
                   html = base + page + end
            9
                   crete_htmls.append(str(html))
           10
           11
              print(crete_htmls)
```

['https://www.tripadvisor.com/Attraction Products-g189413-Crete.html', 'h ttps://www.tripadvisor.com/Attraction_Products-g189413-a_sort.-oa30-Cret e.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Products -g189413-a_sort.-oa60-Crete.html#ATTRACTION_LIST', 'https://www.tripadvis or.com/Attraction_Products-g189413-a_sort.-oa90-Crete.html#ATTRACTION_LIS T', 'https://www.tripadvisor.com/Attraction_Products-g189413-a_sort.-oa12 0-Crete.html#ATTRACTION LIST', 'https://www.tripadvisor.com/Attraction Pr oducts-g189413-a_sort.-oa150-Crete.html#ATTRACTION_LIST', 'https://www.tr ipadvisor.com/Attraction_Products-g189413-a_sort.-oa180-Crete.html#ATTRAC TION_LIST', 'https://www.tripadvisor.com/Attraction_Products-g189413-a_so rt.-oa210-Crete.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attra ction_Products-g189413-a_sort.-oa240-Crete.html#ATTRACTION_LIST', 'http s://www.tripadvisor.com/Attraction Products-g189413-a sort.-oa270-Crete.h tml#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Products-g1 89413-a_sort.-oa300-Crete.html#ATTRACTION_LIST', 'https://www.tripadviso r.com/Attraction Products-g189413-a sort.-oa330-Crete.html#ATTRACTION LIS T', 'https://www.tripadvisor.com/Attraction_Products-g189413-a_sort.-oa36 O-Crete.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Pr oducts-g189413-a sort.-oa390-Crete.html#ATTRACTION LIST', 'https://www.tr ipadvisor.com/Attraction Products-g189413-a sort.-oa420-Crete.html#ATTRAC TION_LIST', 'https://www.tripadvisor.com/Attraction_Products-g189413-a_so rt.-oa450-Crete.html#ATTRACTION LIST', 'https://www.tripadvisor.com/Attra ction Products-g189413-a sort.-oa480-Crete.html#ATTRACTION LIST', 'http s://www.tripadvisor.com/Attraction Products-g189413-a sort.-oa510-Crete.h tml#ATTRACTION LIST', 'https://www.tripadvisor.com/Attraction Products-g1 89413-a sort.-oa540-Crete.html#ATTRACTION LIST', 'https://www.tripadviso r.com/Attraction Products-g189413-a sort.-oa570-Crete.html#ATTRACTION LIS T', 'https://www.tripadvisor.com/Attraction_Products-g189413-a_sort.-oa60 0-Crete.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Pr oducts-g189413-a_sort.-oa630-Crete.html#ATTRACTION_LIST', 'https://www.tr ipadvisor.com/Attraction_Products-g189413-a_sort.-oa660-Crete.html#ATTRAC TION LIST', 'https://www.tripadvisor.com/Attraction Products-g189413-a so rt.-oa690-Crete.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attra ction_Products-g189413-a_sort.-oa720-Crete.html#ATTRACTION_LIST', 'http s://www.tripadvisor.com/Attraction Products-g189413-a sort.-oa750-Crete.h tml#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Products-g1 89413-a_sort.-oa780-Crete.html#ATTRACTION_LIST', 'https://www.tripadviso r.com/Attraction Products-g189413-a sort.-oa810-Crete.html#ATTRACTION LIS T', 'https://www.tripadvisor.com/Attraction Products-g189413-a sort.-oa84 O-Crete.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Pr oducts-g189413-a sort.-oa870-Crete.html#ATTRACTION LIST', 'https://www.tr ipadvisor.com/Attraction Products-g189413-a sort.-oa900-Crete.html#ATTRAC TION LIST', 'https://www.tripadvisor.com/Attraction Products-g189413-a so rt.-oa930-Crete.html#ATTRACTION LIST', 'https://www.tripadvisor.com/Attra ction Products-g189413-a sort.-oa960-Crete.html#ATTRACTION LIST', 'http

s://www.tripadvisor.com/Attraction_Products-g189413-a_sort.-oa990-Crete.h
tml#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Products-g1
89413-a_sort.-oa1020-Crete.html#ATTRACTION_LIST']

1023

['Minoans World 3D Museum & 9D Cinema', 'Crete Wine and Olive Oil Tour', 'Skip the Line: Knossos Palace and Archaeological Site Entrance Ticket', 'Georgioupolis Safari Off Road Tours Outdoor Activities Land Rover Defend er', 'Spinalonga island']

Out[185]:

	Attraction	City
0	Minoans World 3D Museum & 9D Cinema	Crete, Greece
1	Crete Wine and Olive Oil Tour	Crete, Greece
2	Skip the Line: Knossos Palace and Archaeologic	Crete, Greece
3	Georgioupolis Safari Off Road Tours Outdoor Ac	Crete, Greece
4	Spinalonga island	Crete, Greece

```
In [186]: 1 crete_df.to_csv('/Users/tiaplagata/Documents/Flatiron/capstone-project/
```

4. Bali, Indonesia

```
In [179]:
            1
               # Create list of all htmls for Bali
               bali htmls = ['https://www.tripadvisor.com/Attraction Products-g294226-
            2
            3
            4
               for i in range(2, 168):
            5
                   base = 'https://www.tripadvisor.com/Attraction Products-g294226-a s
            6
                   page = '-oa' + str(30*i - 30)
            7
                   end = '-Bali.html#ATTRACTION LIST'
            8
                   html = base + page + end
            9
                   bali_htmls.append(str(html))
           10
           11
              print(bali_htmls)
```

['https://www.tripadvisor.com/Attraction Products-g294226-Bali.html', 'ht tps://www.tripadvisor.com/Attraction_Products-g294226-a_sort.-oa30-Bali.h tml#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Products-g2 94226-a_sort.-oa60-Bali.html#ATTRACTION_LIST', 'https://www.tripadvisor.c om/Attraction_Products-g294226-a_sort.-oa90-Bali.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Products-g294226-a_sort.-oa120-Ba li.html#ATTRACTION LIST', 'https://www.tripadvisor.com/Attraction Product s-g294226-a_sort.-oa150-Bali.html#ATTRACTION_LIST', 'https://www.tripadvi sor.com/Attraction_Products-g294226-a_sort.-oa180-Bali.html#ATTRACTION_LI ST', 'https://www.tripadvisor.com/Attraction_Products-g294226-a_sort.-oa2 10-Bali.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction Pr oducts-g294226-a_sort.-oa240-Bali.html#ATTRACTION_LIST', 'https://www.tri padvisor.com/Attraction Products-q294226-a sort.-oa270-Bali.html#ATTRACTI ON LIST', 'https://www.tripadvisor.com/Attraction Products-g294226-a sor t.-oa300-Bali.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attract ion Products-g294226-a sort.-oa330-Bali.html#ATTRACTION LIST', 'https://w ww.tripadvisor.com/Attraction_Products-g294226-a_sort.-oa360-Bali.html#AT TRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Products-g294226a sort.-oa390-Bali.html#ATTRACTION LIST', 'https://www.tripadvisor.com/At

5000

['Hotel to Hotel:Bali Private Transfer (Daytime)', 'Bali White Water Raft ing', 'Bali Snorkeling Tour at Blue Lagoon Beach: All-Inclusive', 'Privat e Bali Hotel Transfer: Hotel to Hotel', 'Inter hotel transfer in Bali (Ku ta, Seminyak and Nisa dua) to ubud (PVT)']

Out[181]:

```
Attraction City

1 Hotel to Hotel:Bali Private Transfer (Daytime) Bali, Indonesia

2 Bali Snorkeling Tour at Blue Lagoon Beach: All... Bali, Indonesia

3 Private Bali Hotel Transfer: Hotel to Hotel Bali, Indonesia

4 Inter hotel transfer in Bali (Kuta, Seminyak a... Bali, Indonesia
```

```
In [182]:
```

```
bali_df.to_csv('/Users/tiaplagata/Documents/Flatiron/capstone-project/b
```

5. Rome, Italy

```
In [175]:
               # Create list of all htmls for Rome
               rome htmls = ['https://www.tripadvisor.com/Attraction Products-g187791-
            2
            3
            4
               for i in range(2, 168):
            5
                   base = 'https://www.tripadvisor.com/Attraction Products-q187791-a s
            6
                   page = '-oa' + str(30*i - 30)
            7
                   end = '-Rome Lazio.html#ATTRACTION LIST'
            8
                   html = base + page + end
            9
                   rome htmls.append(str(html))
           10
           11
              print(rome htmls)
```

['https://www.tripadvisor.com/Attraction Products-q187791-Rome Lazio.htm l', 'https://www.tripadvisor.com/Attraction Products-g187791-a sort.-oa30 -Rome Lazio.html#ATTRACTION LIST', 'https://www.tripadvisor.com/Attractio n Products-g187791-a sort.-oa60-Rome Lazio.html#ATTRACTION LIST', 'http s://www.tripadvisor.com/Attraction Products-g187791-a sort.-oa90-Rome Laz io.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Product s-q187791-a sort.-oa120-Rome Lazio.html#ATTRACTION LIST', 'https://www.tr ipadvisor.com/Attraction Products-g187791-a sort.-oa150-Rome Lazio.html#A TTRACTION LIST', 'https://www.tripadvisor.com/Attraction Products-g187791 -a sort.-oa180-Rome Lazio.html#ATTRACTION LIST', 'https://www.tripadviso r.com/Attraction Products-g187791-a sort.-oa210-Rome Lazio.html#ATTRACTIO N LIST', 'https://www.tripadvisor.com/Attraction Products-g187791-a sort. -oa240-Rome Lazio.html#ATTRACTION LIST', 'https://www.tripadvisor.com/Att raction Products-g187791-a sort.-oa270-Rome Lazio.html#ATTRACTION LIST', 'https://www.tripadvisor.com/Attraction Products-g187791-a sort.-oa300-Ro me Lazio.html#ATTRACTION LIST', 'https://www.tripadvisor.com/Attraction P roducts-g187791-a sort.-oa330-Rome Lazio.html#ATTRACTION LIST', 'https:// www.tripadvisor.com/Attraction Products-g187791-a sort.-oa360-Rome Lazio. html#ATTRACTION LIST', 'https://www.tripadvisor.com/Attraction Products-g

```
In [176]:
           1 all_attractions_rome = get_all_attractions(rome_htmls)
           2 print(len(all attractions rome))
           3 print(all_attractions_rome[:5])
```

5000

["Faster Than Skip-the-Line: Vatican, Sistine Chapel and St. Peter's Basi lica Tour", 'Skip the Line: Colosseum Small Group Tour with Roman Forum & Palatine Hill ', 'Colosseum Underground Guided Tour with Palatine Hill & Roman Forum Access', "Skip-the-Line Group Tour of the Vatican, Sistine Ch apel & St. Peter's Basilica", 'Fast- track- entry ticket to the Vatican M useums & the Sistine Chapel']

```
In [177]:
             rome_df = pd.DataFrame(all_attractions_rome, columns=['Attraction'])
             rome_df['City'] = 'Rome, Italy'
           3 rome_df.head()
```

Out[177]:

	Attraction	City
0	Faster Than Skip-the-Line: Vatican, Sistine Ch	Rome, Italy
1	Skip the Line: Colosseum Small Group Tour with	Rome, Italy
2	Colosseum Underground Guided Tour with Palatin	Rome, Italy
3	Skip-the-Line Group Tour of the Vatican, Sisti	Rome, Italy
4	Fast- track- entry ticket to the Vatican Museu	Rome, Italy

```
In [178]:
```

rome df.to csv('/Users/tiaplagata/Documents/Flatiron/capstone-project/r

6. Phuket, Thailand

```
In [171]:
            1
              # Create list of all htmls for Phuket
              phuket htmls = ['https://www.tripadvisor.com/Attraction Products-g29392
            2
            3
            4
              for i in range(2, 42):
            5
                  base = 'https://www.tripadvisor.com/Attraction Products-g293920-a s
            6
                  page = '-oa' + str(30*i - 30)
            7
                   end = '-Phuket.html#ATTRACTION_LIST'
            8
                   html = base + page + end
            9
                  phuket_htmls.append(str(html))
           10
           11
              print(phuket_htmls)
```

['https://www.tripadvisor.com/Attraction Products-q293920-Phuket.html', 'https://www.tripadvisor.com/Attraction_Products-g293920-a_sort.-oa30-Phu ket.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Produc ts-g293920-a_sort.-oa60-Phuket.html#ATTRACTION_LIST', 'https://www.tripad visor.com/Attraction_Products-g293920-a_sort.-oa90-Phuket.html#ATTRACTION _LIST', 'https://www.tripadvisor.com/Attraction_Products-g293920-a_sort.oa120-Phuket.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attracti on Products-g293920-a sort.-oa150-Phuket.html#ATTRACTION LIST', 'https:// www.tripadvisor.com/Attraction_Products-g293920-a_sort.-oa180-Phuket.html #ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Products-g2939 20-a_sort.-oa210-Phuket.html#ATTRACTION_LIST', 'https://www.tripadvisor.c om/Attraction_Products-g293920-a_sort.-oa240-Phuket.html#ATTRACTION_LIS T', 'https://www.tripadvisor.com/Attraction Products-g293920-a sort.-oa27 0-Phuket.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_P roducts-g293920-a_sort.-oa300-Phuket.html#ATTRACTION_LIST', 'https://www. tripadvisor.com/Attraction Products-g293920-a sort.-oa330-Phuket.html#ATT RACTION LIST', 'https://www.tripadvisor.com/Attraction Products-g293920-a _sort.-oa360-Phuket.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/A ttraction Products-g293920-a sort.-oa390-Phuket.html#ATTRACTION LIST', 'h ttps://www.tripadvisor.com/Attraction Products-g293920-a sort.-oa420-Phuk et.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Product s-g293920-a sort.-oa450-Phuket.html#ATTRACTION LIST', 'https://www.tripad visor.com/Attraction Products-g293920-a sort.-oa480-Phuket.html#ATTRACTIO N LIST', 'https://www.tripadvisor.com/Attraction Products-g293920-a sort. -oa510-Phuket.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attract ion Products-g293920-a sort.-oa540-Phuket.html#ATTRACTION LIST', 'http s://www.tripadvisor.com/Attraction_Products-g293920-a_sort.-oa570-Phuket. html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Products-g 293920-a sort.-oa600-Phuket.html#ATTRACTION LIST', 'https://www.tripadvis or.com/Attraction Products-g293920-a sort.-oa630-Phuket.html#ATTRACTION L IST', 'https://www.tripadvisor.com/Attraction Products-g293920-a sort.-oa 660-Phuket.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction Products-g293920-a sort.-oa690-Phuket.html#ATTRACTION LIST', 'https://ww w.tripadvisor.com/Attraction_Products-g293920-a_sort.-oa720-Phuket.html#A TTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Products-g293920 -a_sort.-oa750-Phuket.html#ATTRACTION_LIST', 'https://www.tripadvisor.co m/Attraction Products-g293920-a sort.-oa780-Phuket.html#ATTRACTION LIST', 'https://www.tripadvisor.com/Attraction Products-g293920-a sort.-oa810-Ph uket.html#ATTRACTION LIST', 'https://www.tripadvisor.com/Attraction Produ cts-g293920-a_sort.-oa840-Phuket.html#ATTRACTION_LIST', 'https://www.trip advisor.com/Attraction_Products-g293920-a_sort.-oa870-Phuket.html#ATTRACT ION LIST', 'https://www.tripadvisor.com/Attraction Products-g293920-a sor t.-oa900-Phuket.html#ATTRACTION LIST', 'https://www.tripadvisor.com/Attra ction Products-g293920-a sort.-oa930-Phuket.html#ATTRACTION LIST', 'http s://www.tripadvisor.com/Attraction Products-g293920-a sort.-oa960-Phuket.

html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Products-g 293920-a_sort.-oa990-Phuket.html#ATTRACTION_LIST', 'https://www.tripadvis or.com/Attraction_Products-g293920-a_sort.-oa1020-Phuket.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Products-g293920-a_sort.-oa1050-Phuket.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Products-g293920-a_sort.-oa1080-Phuket.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Products-g293920-a_sort.-oa1110-Phuket.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Products-g293920-a_sort.-oa1140-Phuket.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Products-g293920-a_sort.-oa1170-Phuket.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Products-g293920-a_sort.-oa1200-Phuket.html#ATTRACTION_LIST']

```
In [172]: 1 all_attractions_phuket = get_all_attractions(phuket_htmls)
2 print(len(all_attractions_phuket))
3 print(all_attractions_phuket[:5])
```

1201

['Phi Phi, MaiTon & Khai Islands by Speedboat', 'Phi Phi Islands Adventur e Day Trip with Seaview Lunch', 'Phi Phi Island by Premium Speedboat including Buffet Lunch', 'Phang Nga Bay Sea Cave Canoeing & James Bond Island w/ Buffet Lunch by Big Boat', 'A Morning with the Elephants at Phuket Elephant Sanctuary']

Out[173]:

	Attraction	City
0	Phi Phi, MaiTon & Khai Islands by Speedboat	Phuket, Thailand
1	Phi Phi Islands Adventure Day Trip with Seavie	Phuket, Thailand
2	Phi Phi Island by Premium Speedboat including	Phuket, Thailand
3	Phang Nga Bay Sea Cave Canoeing & James Bond I	Phuket, Thailand
4	A Morning with the Elephants at Phuket Elephan	Phuket, Thailand

```
In [174]: 1 phuket_df.to_csv('/Users/tiaplagata/Documents/Flatiron/capstone-project
```

7. Sicily, Italy

```
In [167]:
            1
               # Create list of all htmls for Sicily
               sicily htmls = ['https://www.tripadvisor.com/Attraction Products-g18788
            2
            3
            4
               for i in range(2, 68):
            5
                  base = 'https://www.tripadvisor.com/Attraction Products-g187886-a s
            6
                  page = '-oa' + str(30*i - 30)
            7
                   end = '-Sicily.html#ATTRACTION_LIST'
            8
                   html = base + page + end
            9
                   sicily_htmls.append(str(html))
           10
           11
              print(sicily_htmls)
```

['https://www.tripadvisor.com/Attraction Products-q187886-Sicily.html', 'https://www.tripadvisor.com/Attraction_Products-g187886-a_sort.-oa30-Sic ily.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Produc ts-g187886-a_sort.-oa60-Sicily.html#ATTRACTION_LIST', 'https://www.tripad visor.com/Attraction_Products-g187886-a_sort.-oa90-Sicily.html#ATTRACTION _LIST', 'https://www.tripadvisor.com/Attraction_Products-g187886-a_sort.oa120-Sicily.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attracti on Products-g187886-a sort.-oa150-Sicily.html#ATTRACTION LIST', 'https:// www.tripadvisor.com/Attraction_Products-g187886-a_sort.-oa180-Sicily.html #ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Products-g1878 86-a_sort.-oa210-Sicily.html#ATTRACTION_LIST', 'https://www.tripadvisor.c om/Attraction_Products-g187886-a_sort.-oa240-Sicily.html#ATTRACTION_LIS T', 'https://www.tripadvisor.com/Attraction Products-g187886-a sort.-oa27 0-Sicily.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_P roducts-g187886-a_sort.-oa300-Sicily.html#ATTRACTION_LIST', 'https://www. tripadvisor.com/Attraction Products-g187886-a sort.-oa330-Sicily.html#ATT RACTION_LIST', 'https://www.tripadvisor.com/Attraction_Products-g187886-a _sort.-oa360-Sicily.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/A ttraction Products-g187886-a sort.-oa390-Sicily.html#ATTRACTION LIST', 'h ttps://www.tripadvisor.com/Attraction Products-g187886-a sort.-oa420-Sici ly.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Product s-g187886-a sort.-oa450-Sicily.html#ATTRACTION LIST', 'https://www.tripad visor.com/Attraction Products-g187886-a sort.-oa480-Sicily.html#ATTRACTIO N LIST', 'https://www.tripadvisor.com/Attraction Products-g187886-a sort. -oa510-Sicily.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attract ion Products-g187886-a sort.-oa540-Sicily.html#ATTRACTION LIST', 'http s://www.tripadvisor.com/Attraction_Products-g187886-a_sort.-oa570-Sicily. html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Products-g 187886-a sort.-oa600-Sicily.html#ATTRACTION LIST', 'https://www.tripadvis or.com/Attraction Products-g187886-a sort.-oa630-Sicily.html#ATTRACTION L IST', 'https://www.tripadvisor.com/Attraction Products-g187886-a sort.-oa 660-Sicily.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction Products-g187886-a sort.-oa690-Sicily.html#ATTRACTION LIST', 'https://ww w.tripadvisor.com/Attraction_Products-g187886-a_sort.-oa720-Sicily.html#A TTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Products-g187886 -a_sort.-oa750-Sicily.html#ATTRACTION_LIST', 'https://www.tripadvisor.co m/Attraction Products-g187886-a sort.-oa780-Sicily.html#ATTRACTION LIST', 'https://www.tripadvisor.com/Attraction Products-g187886-a sort.-oa810-Si cily.html#ATTRACTION LIST', 'https://www.tripadvisor.com/Attraction Produ cts-g187886-a_sort.-oa840-Sicily.html#ATTRACTION_LIST', 'https://www.trip advisor.com/Attraction_Products-g187886-a_sort.-oa870-Sicily.html#ATTRACT ION LIST', 'https://www.tripadvisor.com/Attraction Products-g187886-a sor t.-oa900-Sicily.html#ATTRACTION LIST', 'https://www.tripadvisor.com/Attra ction Products-g187886-a sort.-oa930-Sicily.html#ATTRACTION LIST', 'http s://www.tripadvisor.com/Attraction Products-g187886-a sort.-oa960-Sicily.

html#ATTRACTION LIST', 'https://www.tripadvisor.com/Attraction Products-q 187886-a_sort.-oa990-Sicily.html#ATTRACTION_LIST', 'https://www.tripadvis or.com/Attraction Products-g187886-a sort.-oa1020-Sicily.html#ATTRACTION LIST', 'https://www.tripadvisor.com/Attraction Products-g187886-a sort.-o a1050-Sicily.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attracti on_Products-g187886-a_sort.-oa1080-Sicily.html#ATTRACTION_LIST', 'http s://www.tripadvisor.com/Attraction Products-g187886-a sort.-oa1110-Sicil y.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Products -g187886-a sort.-oa1140-Sicily.html#ATTRACTION_LIST', 'https://www.tripad visor.com/Attraction Products-q187886-a sort.-oa1170-Sicily.html#ATTRACTI ON LIST', 'https://www.tripadvisor.com/Attraction Products-g187886-a sor t.-oa1200-Sicily.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attr action Products-q187886-a sort.-oa1230-Sicily.html#ATTRACTION LIST', 'htt ps://www.tripadvisor.com/Attraction Products-g187886-a sort.-oa1260-Sicil y.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Products -g187886-a_sort.-oa1290-Sicily.html#ATTRACTION_LIST', 'https://www.tripad visor.com/Attraction Products-q187886-a sort.-oa1320-Sicily.html#ATTRACTI ON LIST', 'https://www.tripadvisor.com/Attraction_Products-g187886-a_sor t.-oa1350-Sicily.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attr action Products-q187886-a sort.-oal380-Sicily.html#ATTRACTION LIST', 'htt ps://www.tripadvisor.com/Attraction Products-g187886-a sort.-oa1410-Sicil y.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Products -g187886-a sort.-oa1440-Sicily.html#ATTRACTION_LIST', 'https://www.tripad visor.com/Attraction_Products-g187886-a_sort.-oa1470-Sicily.html#ATTRACTI ON LIST', 'https://www.tripadvisor.com/Attraction_Products-g187886-a_sor t.-oa1500-Sicily.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attr action_Products-g187886-a_sort.-oa1530-Sicily.html#ATTRACTION_LIST', 'htt ps://www.tripadvisor.com/Attraction Products-g187886-a sort.-oa1560-Sicil y.html#ATTRACTION LIST', 'https://www.tripadvisor.com/Attraction Products -g187886-a_sort.-oa1590-Sicily.html#ATTRACTION_LIST', 'https://www.tripad visor.com/Attraction Products-g187886-a sort.-oa1620-Sicily.html#ATTRACTI ON LIST', 'https://www.tripadvisor.com/Attraction Products-g187886-a sor t.-oa1650-Sicily.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attr action Products-g187886-a sort.-oa1680-Sicily.html#ATTRACTION LIST', 'htt ps://www.tripadvisor.com/Attraction Products-q187886-a sort.-oa1710-Sicil y.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Products -g187886-a_sort.-oa1740-Sicily.html#ATTRACTION_LIST', 'https://www.tripad visor.com/Attraction Products-g187886-a sort.-oa1770-Sicily.html#ATTRACTI ON LIST', 'https://www.tripadvisor.com/Attraction Products-g187886-a sor t.-oa1800-Sicily.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attr action Products-g187886-a sort.-oa1830-Sicily.html#ATTRACTION LIST', 'htt ps://www.tripadvisor.com/Attraction Products-g187886-a sort.-oa1860-Sicil y.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Products -g187886-a sort.-oa1890-Sicily.html#ATTRACTION LIST', 'https://www.tripad visor.com/Attraction Products-q187886-a sort.-oa1920-Sicily.html#ATTRACTI ON LIST', 'https://www.tripadvisor.com/Attraction Products-g187886-a sor t.-oa1950-Sicily.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attr action Products-g187886-a sort.-oa1980-Sicily.html#ATTRACTION LIST']

```
In [168]:
               all_attractions_sicily = get_all_attractions(sicily_htmls)
               print(len(all attractions sicily))
               print(all_attractions_sicily[:5])
           2004
           ['Etna and Taormina Full-Day Tour from Catania', 'Palermo Street Food Wal
           king Tour', 'Sailing to Cyclops Islands Group Tour', 'Sunset Trekking on
           Stromboli - Ashàra Volcanological Guides', 'Excursion around Ortigia Isla
           nd and sea caves']
In [169]:
                sicily_df = pd.DataFrame(all_attractions_sicily, columns=['Attraction']
               sicily df['City'] = 'Sicily, Italy'
               sicily_df.head()
Out[169]:
                                          Attraction
                                                        City
                 Etna and Taormina Full-Day Tour from Catania Sicily, Italy
            0
                         Palermo Street Food Walking Tour Sicily, Italy
            1
            2
                       Sailing to Cyclops Islands Group Tour Sicily, Italy
```

In [170]: 1 sicily_df.to_csv('/Users/tiaplagata/Documents/Flatiron/capstone-project

Sicily, Italy

8. Majorca, Balearic Islands

3 Sunset Trekking on Stromboli - Ashàra Volcanol...

Excursion around Ortigia Island and sea caves Sicily, Italy

```
In [161]:
            1
              # Create list of all htmls for Majorca
            2
              majorca htmls = ['https://www.tripadvisor.com/Attraction Products-g1874
            3
            4
              for i in range(2, 17):
                  base = 'https://www.tripadvisor.com/Attraction_Products-g187462-a s
            5
            6
                  page = '-oa' + str(30*i - 30)
            7
                   end = '-Majorca_Balearic_Islands.html#ATTRACTION_LIST'
                  html = base + page + end
            8
            9
                  majorca_htmls.append(str(html))
           10
           11
              print(majorca htmls)
```

['https://www.tripadvisor.com/Attraction Products-q187462-Majorca Baleari c_Islands.html', 'https://www.tripadvisor.com/Attraction_Products-g187462 -a_sort.-oa30-Majorca_Balearic_Islands.html#ATTRACTION_LIST', 'https://ww w.tripadvisor.com/Attraction_Products-g187462-a_sort.-oa60-Majorca_Balear ic_Islands.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction Products-g187462-a sort.-oa90-Majorca Balearic Islands.html#ATTRACTION L IST', 'https://www.tripadvisor.com/Attraction Products-g187462-a sort.-oa 120-Majorca_Balearic_Islands.html#ATTRACTION_LIST', 'https://www.tripadvi sor.com/Attraction Products-g187462-a sort.-oa150-Majorca Balearic Island s.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Products -g187462-a sort.-oa180-Majorca Balearic Islands.html#ATTRACTION LIST', 'h ttps://www.tripadvisor.com/Attraction_Products-g187462-a_sort.-oa210-Majo rca_Balearic_Islands.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/ Attraction Products-g187462-a sort.-oa240-Majorca Balearic Islands.html#A TTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Products-g187462 -a sort.-oa270-Majorca Balearic Islands.html#ATTRACTION LIST', 'https://w ww.tripadvisor.com/Attraction Products-g187462-a sort.-oa300-Majorca Bale aric_Islands.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attracti on Products-g187462-a sort.-oa330-Majorca Balearic Islands.html#ATTRACTIO N LIST', 'https://www.tripadvisor.com/Attraction Products-g187462-a sort. -oa360-Majorca_Balearic_Islands.html#ATTRACTION_LIST', 'https://www.tripa dvisor.com/Attraction Products-g187462-a sort.-oa390-Majorca Balearic Isl ands.html#ATTRACTION LIST', 'https://www.tripadvisor.com/Attraction Produ cts-g187462-a sort.-oa420-Majorca Balearic Islands.html#ATTRACTION LIST', 'https://www.tripadvisor.com/Attraction Products-g187462-a sort.-oa450-Ma jorca Balearic Islands.html#ATTRACTION LIST']

454

['Caves of Genova Admission in Palma de Mallorca', 'Shore Excursion:Palma Hop-On Hop-Off Bus Tour with Optional Boat & Belver Castle', 'Exclusive s ailing trip half day sailing Palma Bay, Playa de Palma, Can Pastilla)', 'Mallorca in One Day Sightseeing Tour with Boat Ride and Vintage Train', 'Electric Scooter Tour in Palma de Mallorca']

Out[163]:

	Attraction	City
0	Caves of Genova Admission in Palma de Mallorca	Majorca, Balearic Islands
1	Shore Excursion:Palma Hop-On Hop-Off Bus Tour	Majorca, Balearic Islands
2	Exclusive sailing trip half day sailing Palma	Majorca, Balearic Islands
3	Mallorca in One Day Sightseeing Tour with Boat	Majorca, Balearic Islands
4	Electric Scooter Tour in Palma de Mallorca	Majorca, Balearic Islands

```
In [164]: 1 majorca_df.to_csv('/Users/tiaplagata/Documents/Flatiron/capstone-projec
```

9. Barcelona, Spain

```
In [159]:
            1
               # Create list of all htmls for Barcelona
            2
               barcelona htmls = ['https://www.tripadvisor.com/Attraction Products-g18
            3
            4
               for i in range(2, 63):
            5
                  base = 'https://www.tripadvisor.com/Attraction Products-g187497-a s
            6
                  page = '-oa' + str(30*i - 30)
            7
                   end = '-Barcelona_Catalonia.html#ATTRACTION_LIST'
            8
                   html = base + page + end
            9
                  barcelona_htmls.append(str(html))
           10
           11
              print(barcelona_htmls)
```

['https://www.tripadvisor.com/Attraction Products-q187497-Barcelona Catal onia.html', 'https://www.tripadvisor.com/Attraction_Products-g187497-a_so rt.-oa30-Barcelona Catalonia.html#ATTRACTION LIST', 'https://www.tripadvi sor.com/Attraction_Products-g187497-a_sort.-oa60-Barcelona_Catalonia.html #ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Products-g1874 97-a_sort.-oa90-Barcelona_Catalonia.html#ATTRACTION_LIST', 'https://www.t ripadvisor.com/Attraction Products-g187497-a sort.-oa120-Barcelona Catalo nia.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Produc ts-g187497-a_sort.-oa150-Barcelona_Catalonia.html#ATTRACTION_LIST', 'http s://www.tripadvisor.com/Attraction_Products-g187497-a_sort.-oa180-Barcelo na_Catalonia.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attracti on_Products-g187497-a_sort.-oa210-Barcelona_Catalonia.html#ATTRACTION_LIS T', 'https://www.tripadvisor.com/Attraction Products-q187497-a sort.-oa24 0-Barcelona_Catalonia.html#ATTRACTION_LIST', 'https://www.tripadvisor.co m/Attraction_Products-g187497-a_sort.-oa270-Barcelona_Catalonia.html#ATTR ACTION LIST', 'https://www.tripadvisor.com/Attraction Products-g187497-a sort.-oa300-Barcelona_Catalonia.html#ATTRACTION_LIST', 'https://www.tripa dvisor.com/Attraction_Products-g187497-a_sort.-oa330-Barcelona_Catalonia. html#ATTRACTION LIST', 'https://www.tripadvisor.com/Attraction Products-g 187497-a sort.-oa360-Barcelona Catalonia.html#ATTRACTION LIST', 'https:// www.tripadvisor.com/Attraction_Products-g187497-a_sort.-oa390-Barcelona_C atalonia.html#ATTRACTION LIST', 'https://www.tripadvisor.com/Attraction P roducts-g187497-a sort.-oa420-Barcelona Catalonia.html#ATTRACTION LIST', 'https://www.tripadvisor.com/Attraction Products-g187497-a sort.-oa450-Ba rcelona_Catalonia.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Att raction Products-g187497-a sort.-oa480-Barcelona Catalonia.html#ATTRACTIO N_LIST', 'https://www.tripadvisor.com/Attraction_Products-g187497-a_sort. -oa510-Barcelona_Catalonia.html#ATTRACTION_LIST', 'https://www.tripadviso r.com/Attraction Products-g187497-a sort.-oa540-Barcelona Catalonia.html# ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Products-g18749 7-a_sort.-oa570-Barcelona_Catalonia.html#ATTRACTION_LIST', 'https://www.t ripadvisor.com/Attraction Products-g187497-a sort.-oa600-Barcelona Catalo nia.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Produc ts-g187497-a_sort.-oa630-Barcelona_Catalonia.html#ATTRACTION_LIST', 'http s://www.tripadvisor.com/Attraction_Products-g187497-a_sort.-oa660-Barcelo na_Catalonia.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attracti on_Products-g187497-a_sort.-oa690-Barcelona_Catalonia.html#ATTRACTION_LIS T', 'https://www.tripadvisor.com/Attraction Products-g187497-a sort.-oa72 O-Barcelona_Catalonia.html#ATTRACTION_LIST', 'https://www.tripadvisor.co m/Attraction_Products-g187497-a_sort.-oa750-Barcelona_Catalonia.html#ATTR ACTION LIST', 'https://www.tripadvisor.com/Attraction Products-g187497-a sort.-oa780-Barcelona_Catalonia.html#ATTRACTION_LIST', 'https://www.tripa dvisor.com/Attraction Products-g187497-a sort.-oa810-Barcelona Catalonia. html#ATTRACTION LIST', 'https://www.tripadvisor.com/Attraction Products-g 187497-a sort.-oa840-Barcelona Catalonia.html#ATTRACTION LIST', 'https://

www.tripadvisor.com/Attraction_Products-g187497-a_sort.-oa870-Barcelona_C atalonia.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_P roducts-g187497-a_sort.-oa900-Barcelona_Catalonia.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction Products-g187497-a sort.-oa930-Ba rcelona Catalonia.html#ATTRACTION LIST', 'https://www.tripadvisor.com/Att raction_Products-g187497-a_sort.-oa960-Barcelona_Catalonia.html#ATTRACTIO N_LIST', 'https://www.tripadvisor.com/Attraction_Products-g187497-a sort. -oa990-Barcelona_Catalonia.html#ATTRACTION_LIST', 'https://www.tripadviso r.com/Attraction_Products-g187497-a_sort.-oa1020-Barcelona_Catalonia.html #ATTRACTION LIST', 'https://www.tripadvisor.com/Attraction Products-g1874 97-a_sort.-oa1050-Barcelona_Catalonia.html#ATTRACTION_LIST', 'https://ww w.tripadvisor.com/Attraction_Products-g187497-a_sort.-oa1080-Barcelona_Ca talonia.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Pr oducts-g187497-a_sort.-oa1110-Barcelona_Catalonia.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Products-g187497-a_sort.-oa1140-B arcelona_Catalonia.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/At traction Products-q187497-a sort.-oa1170-Barcelona Catalonia.html#ATTRACT ION_LIST', 'https://www.tripadvisor.com/Attraction_Products-g187497-a_sor t.-oa1200-Barcelona_Catalonia.html#ATTRACTION_LIST', 'https://www.tripadv isor.com/Attraction_Products-g187497-a_sort.-oa1230-Barcelona_Catalonia.h tml#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Products-g1 87497-a_sort.-oa1260-Barcelona_Catalonia.html#ATTRACTION_LIST', 'https:// www.tripadvisor.com/Attraction Products-q187497-a sort.-oa1290-Barcelona Catalonia.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_ Products-g187497-a_sort.-oa1320-Barcelona_Catalonia.html#ATTRACTION_LIS T', 'https://www.tripadvisor.com/Attraction Products-g187497-a sort.-oal3 50-Barcelona Catalonia.html#ATTRACTION_LIST', 'https://www.tripadvisor.co m/Attraction Products-g187497-a sort.-oa1380-Barcelona Catalonia.html#ATT RACTION LIST', 'https://www.tripadvisor.com/Attraction Products-g187497-a sort.-oa1410-Barcelona Catalonia.html#ATTRACTION LIST', 'https://www.tri padvisor.com/Attraction_Products-g187497-a_sort.-oa1440-Barcelona_Catalon ia.html#ATTRACTION LIST', 'https://www.tripadvisor.com/Attraction Product s-g187497-a sort.-oa1470-Barcelona Catalonia.html#ATTRACTION LIST', 'http s://www.tripadvisor.com/Attraction Products-g187497-a sort.-oa1500-Barcel ona_Catalonia.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attract ion Products-g187497-a sort.-oa1530-Barcelona Catalonia.html#ATTRACTION L IST', 'https://www.tripadvisor.com/Attraction_Products-g187497-a_sort.-oa 1560-Barcelona_Catalonia.html#ATTRACTION_LIST', 'https://www.tripadvisor. com/Attraction Products-g187497-a sort.-oa1590-Barcelona Catalonia.html#A TTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Products-g187497 -a sort.-oa1620-Barcelona Catalonia.html#ATTRACTION LIST', 'https://www.t ripadvisor.com/Attraction Products-g187497-a sort.-oa1650-Barcelona Catal onia.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Produ cts-g187497-a sort.-oa1680-Barcelona Catalonia.html#ATTRACTION LIST', 'ht tps://www.tripadvisor.com/Attraction_Products-g187497-a_sort.-oa1710-Barc elona_Catalonia.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attra ction_Products-g187497-a_sort.-oa1740-Barcelona_Catalonia.html#ATTRACTION LIST', 'https://www.tripadvisor.com/Attraction Products-g187497-a sort.oa1770-Barcelona_Catalonia.html#ATTRACTION_LIST', 'https://www.tripadviso r.com/Attraction Products-g187497-a sort.-oa1800-Barcelona Catalonia.html #ATTRACTION LIST', 'https://www.tripadvisor.com/Attraction Products-g1874 97-a sort.-oa1830-Barcelona Catalonia.html#ATTRACTION LIST']

	Attraction	City
0	Interactive Spanish Cooking Experience in Barc	Barcelona, Spain
1	Flamenco Show Ticket at Theatre Barcelona City	Barcelona, Spain
2	Best of Barcelona Live Virtual Tour	Barcelona, Spain
3	2 hour Sunset Sailing Cruise Barcelona	Barcelona, Spain
4	Camp Nou - F.C.Barcelona Open Date Ticket	Barcelona, Spain

```
In [166]: 1 barcelona_df.to_csv('/Users/tiaplagata/Documents/Flatiron/capstone-proj
```

10. Istanbul, Turkey

```
In [192]:
            1
               # Create list of all htmls for Istanbul
            2
               istanbul htmls = ['https://www.tripadvisor.com/Attraction Products-g293
            3
            4
               for i in range(2, 78):
            5
                  base = 'https://www.tripadvisor.com/Attraction_Products-g293974-a s
            6
                  page = '-oa' + str(30*i - 30)
            7
                   end = '-Istanbul.html#ATTRACTION LIST'
            8
                   html = base + page + end
            9
                   istanbul_htmls.append(str(html))
           10
           11
              print(istanbul_htmls)
```

['https://www.tripadvisor.com/Attraction Products-g293974-Istanbul.html', 'https://www.tripadvisor.com/Attraction_Products-g293974-a_sort.-oa30-Ist anbul.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Prod ucts-g293974-a_sort.-oa60-Istanbul.html#ATTRACTION_LIST', 'https://www.tr ipadvisor.com/Attraction_Products-g293974-a_sort.-oa90-Istanbul.html#ATTR ACTION_LIST', 'https://www.tripadvisor.com/Attraction_Products-g293974-a_ sort.-oa120-Istanbul.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/ Attraction Products-g293974-a sort.-oa150-Istanbul.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Products-g293974-a_sort.-oa180-Is tanbul.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Pro ducts-g293974-a_sort.-oa210-Istanbul.html#ATTRACTION_LIST', 'https://www. tripadvisor.com/Attraction_Products-g293974-a_sort.-oa240-Istanbul.html#A TTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Products-g293974 -a_sort.-oa270-Istanbul.html#ATTRACTION_LIST', 'https://www.tripadvisor.c om/Attraction Products-g293974-a sort.-oa300-Istanbul.html#ATTRACTION LIS T', 'https://www.tripadvisor.com/Attraction Products-g293974-a sort.-oa33 0-Istanbul.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction _Products-g293974-a_sort.-oa360-Istanbul.html#ATTRACTION_LIST', 'https:// www.tripadvisor.com/Attraction Products-g293974-a sort.-oa390-Istanbul.ht ml#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Products-g29 3974-a_sort.-oa420-Istanbul.html#ATTRACTION_LIST', 'https://www.tripadvis or.com/Attraction Products-g293974-a sort.-oa450-Istanbul.html#ATTRACTION LIST', 'https://www.tripadvisor.com/Attraction Products-g293974-a sort.oa480-Istanbul.html#ATTRACTION LIST', 'https://www.tripadvisor.com/Attrac tion Products-g293974-a sort.-oa510-Istanbul.html#ATTRACTION LIST', 'http s://www.tripadvisor.com/Attraction Products-g293974-a sort.-oa540-Istanbu 1.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Products -g293974-a_sort.-oa570-Istanbul.html#ATTRACTION_LIST', 'https://www.tripa dvisor.com/Attraction Products-g293974-a sort.-oa600-Istanbul.html#ATTRAC TION_LIST', 'https://www.tripadvisor.com/Attraction_Products-g293974-a_so rt.-oa630-Istanbul.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/At traction Products-g293974-a sort.-oa660-Istanbul.html#ATTRACTION LIST', 'https://www.tripadvisor.com/Attraction Products-g293974-a sort.-oa690-Is tanbul.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Pro ducts-g293974-a_sort.-oa720-Istanbul.html#ATTRACTION_LIST', 'https://www. tripadvisor.com/Attraction Products-g293974-a sort.-oa750-Istanbul.html#A TTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Products-g293974 -a sort.-oa780-Istanbul.html#ATTRACTION LIST', 'https://www.tripadvisor.c om/Attraction Products-g293974-a sort.-oa810-Istanbul.html#ATTRACTION LIS T', 'https://www.tripadvisor.com/Attraction_Products-g293974-a_sort.-oa84 0-Istanbul.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction _Products-g293974-a_sort.-oa870-Istanbul.html#ATTRACTION_LIST', 'https:// www.tripadvisor.com/Attraction Products-g293974-a sort.-oa900-Istanbul.ht ml#ATTRACTION LIST', 'https://www.tripadvisor.com/Attraction Products-g29 3974-a sort.-oa930-Istanbul.html#ATTRACTION LIST', 'https://www.tripadvis

or.com/Attraction_Products-g293974-a_sort.-oa960-Istanbul.html#ATTRACTION _LIST', 'https://www.tripadvisor.com/Attraction_Products-g293974-a_sort.oa990-Istanbul.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attrac tion Products-g293974-a sort.-oa1020-Istanbul.html#ATTRACTION LIST', 'htt ps://www.tripadvisor.com/Attraction_Products-g293974-a_sort.-oa1050-Istan bul.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Produc ts-g293974-a_sort.-oa1080-Istanbul.html#ATTRACTION_LIST', 'https://www.tr ipadvisor.com/Attraction_Products-g293974-a_sort.-oa1110-Istanbul.html#AT TRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Products-g293974a sort.-oal140-Istanbul.html#ATTRACTION LIST', 'https://www.tripadvisor.c om/Attraction Products-g293974-a sort.-oa1170-Istanbul.html#ATTRACTION LI ST', 'https://www.tripadvisor.com/Attraction_Products-g293974-a_sort.-oa1 200-Istanbul.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attracti on Products-g293974-a sort.-oa1230-Istanbul.html#ATTRACTION LIST', 'http s://www.tripadvisor.com/Attraction_Products-g293974-a_sort.-oa1260-Istanb ul.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Product s-g293974-a_sort.-oa1290-Istanbul.html#ATTRACTION_LIST', 'https://www.tri padvisor.com/Attraction_Products-g293974-a_sort.-oa1320-Istanbul.html#ATT RACTION_LIST', 'https://www.tripadvisor.com/Attraction_Products-g293974-a _sort.-oa1350-Istanbul.html#ATTRACTION_LIST', 'https://www.tripadvisor.co m/Attraction Products-q293974-a sort.-oa1380-Istanbul.html#ATTRACTION LIS T', 'https://www.tripadvisor.com/Attraction_Products-g293974-a_sort.-oa14 10-Istanbul.html#ATTRACTION LIST', 'https://www.tripadvisor.com/Attractio n_Products-g293974-a sort.-oa1440-Istanbul.html#ATTRACTION_LIST', 'http s://www.tripadvisor.com/Attraction_Products-g293974-a_sort.-oa1470-Istanb ul.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Product s-g293974-a_sort.-oa1500-Istanbul.html#ATTRACTION_LIST', 'https://www.tri padvisor.com/Attraction Products-g293974-a sort.-oa1530-Istanbul.html#ATT RACTION_LIST', 'https://www.tripadvisor.com/Attraction Products-g293974-a _sort.-oa1560-Istanbul.html#ATTRACTION_LIST', 'https://www.tripadvisor.co m/Attraction Products-g293974-a sort.-oa1590-Istanbul.html#ATTRACTION LIS T', 'https://www.tripadvisor.com/Attraction Products-g293974-a sort.-oal6 20-Istanbul.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attractio n Products-g293974-a sort.-oa1650-Istanbul.html#ATTRACTION LIST', 'http s://www.tripadvisor.com/Attraction Products-q293974-a sort.-oa1680-Istanb ul.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Product s-g293974-a_sort.-oa1710-Istanbul.html#ATTRACTION_LIST', 'https://www.tri padvisor.com/Attraction Products-g293974-a sort.-oa1740-Istanbul.html#ATT RACTION LIST', 'https://www.tripadvisor.com/Attraction Products-g293974-a _sort.-oa1770-Istanbul.html#ATTRACTION_LIST', 'https://www.tripadvisor.co m/Attraction Products-g293974-a_sort.-oa1800-Istanbul.html#ATTRACTION_LIS T', 'https://www.tripadvisor.com/Attraction Products-g293974-a sort.-oal8 30-Istanbul.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attractio n Products-g293974-a sort.-oa1860-Istanbul.html#ATTRACTION LIST', 'http s://www.tripadvisor.com/Attraction Products-g293974-a sort.-oa1890-Istanb ul.html#ATTRACTION LIST', 'https://www.tripadvisor.com/Attraction Product s-g293974-a_sort.-oa1920-Istanbul.html#ATTRACTION_LIST', 'https://www.tri padvisor.com/Attraction Products-g293974-a sort.-oa1950-Istanbul.html#ATT RACTION_LIST', 'https://www.tripadvisor.com/Attraction_Products-g293974-a _sort.-oa1980-Istanbul.html#ATTRACTION_LIST', 'https://www.tripadvisor.co m/Attraction Products-q293974-a sort.-oa2010-Istanbul.html#ATTRACTION LIS T', 'https://www.tripadvisor.com/Attraction Products-g293974-a sort.-oa20 40-Istanbul.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attractio n Products-g293974-a sort.-oa2070-Istanbul.html#ATTRACTION LIST', 'http s://www.tripadvisor.com/Attraction Products-g293974-a sort.-oa2100-Istanb ul.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Product s-g293974-a sort.-oa2130-Istanbul.html#ATTRACTION LIST', 'https://www.tri

padvisor.com/Attraction_Products-g293974-a_sort.-oa2160-Istanbul.html#ATT RACTION_LIST', 'https://www.tripadvisor.com/Attraction_Products-g293974-a_sort.-oa2190-Istanbul.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Products-g293974-a_sort.-oa2220-Istanbul.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Products-g293974-a_sort.-oa22250-Istanbul.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Products-g293974-a_sort.-oa2280-Istanbul.html#ATTRACTION_LIST']

2307

['Bosphorus Sunset Cruise on Luxury Yacht', '90-Minute Istanbul Bosphorus Cruise, Free Refreshment and Audio Guide App ', 'Best of Istanbul: 1, 2 or 3-Day Private Guided Tour', 'Istanbul Full Day Old City Tour', 'Taste of Two Continents Food Tour 5 People Max']

Out[194]:

	Attraction	City
0	Bosphorus Sunset Cruise on Luxury Yacht	Istanbul, Turkey
1	90-Minute Istanbul Bosphorus Cruise, Free Refr	Istanbul, Turkey
2	Best of Istanbul: 1, 2 or 3-Day Private Guided	Istanbul, Turkey
3	Istanbul Full Day Old City Tour	Istanbul, Turkey
4	Taste of Two Continents Food Tour 5 People Max	Istanbul, Turkey

In [195]:

istanbul_df.to_csv('/Users/tiaplagata/Documents/Flatiron/capstone-proje

11. Goa, India

```
In [196]:
            1
              # Create list of all htmls for Goa
              goa htmls = ['https://www.tripadvisor.com/Attraction Products-g297604-G
            2
            3
            4
              for i in range(2, 13):
            5
                  base = 'https://www.tripadvisor.com/Attraction Products-g297604-a s
            6
                  page = '-oa' + str(30*i - 30)
            7
                   end = '-Goa.html#ATTRACTION LIST'
            8
                  html = base + page + end
            9
                   goa_htmls.append(str(html))
           10
           11
              print(goa_htmls)
```

['https://www.tripadvisor.com/Attraction Products-g297604-Goa.html', 'htt ps://www.tripadvisor.com/Attraction_Products-g297604-a_sort.-oa30-Goa.htm 1#ATTRACTION LIST', 'https://www.tripadvisor.com/Attraction_Products-g297 604-a_sort.-oa60-Goa.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/ Attraction_Products-g297604-a_sort.-oa90-Goa.html#ATTRACTION_LIST', 'http s://www.tripadvisor.com/Attraction_Products-g297604-a_sort.-oa120-Goa.htm l#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Products-g297 604-a_sort.-oa150-Goa.html#ATTRACTION_LIST', 'https://www.tripadvisor.co m/Attraction_Products-g297604-a_sort.-oa180-Goa.html#ATTRACTION_LIST', 'h ttps://www.tripadvisor.com/Attraction_Products-g297604-a_sort.-oa210-Goa. html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Products-g 297604-a_sort.-oa240-Goa.html#ATTRACTION_LIST', 'https://www.tripadvisor. com/Attraction Products-q297604-a sort.-oa270-Goa.html#ATTRACTION LIST', 'https://www.tripadvisor.com/Attraction_Products-g297604-a_sort.-oa300-Go a.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction_Products -g297604-a sort.-oa330-Goa.html#ATTRACTION LIST']

349

['Fontainhas Heritage Walk', 'Sunset Cruise on Paradise', 'North Goa Sigh tseeing Full Day Tour (09 am - 05 pm)', 'Dudhsagar Waterfall Trip in Go a', 'Water Sports Goa']

Out[198]:

	Attraction	City
0	Fontainhas Heritage Walk	Goa, India
1	Sunset Cruise on Paradise	Goa, India
2	North Goa Sightseeing Full Day Tour (09 am	Goa, India
3	Dudhsagar Waterfall Trip in Goa	Goa, India
4	Water Sports Goa	Goa, India

```
In [199]: 1 goa_df.to_csv('/Users/tiaplagata/Documents/Flatiron/capstone-project/go
```

12. Dubai, United Arab Emirates

```
In [201]:
            1
              # Create list of all htmls for Dubai
            2
              dubai htmls = ['https://www.tripadvisor.com/Attraction_Products-g295424
            3
            4
              for i in range(2, 125):
            5
                  base = 'https://www.tripadvisor.com/Attraction Products-g295424-a s
                   page = '-oa' + str(30*i - 30)
            6
            7
                  end = '-Dubai Emirate of Dubai.html#ATTRACTION LIST'
            8
                   html = base + page + end
            9
                   dubai htmls.append(str(html))
           10
              print(dubai_htmls)
```

['https://www.tripadvisor.com/Attraction Products-g295424-Dubai Emirate o f Dubai.html', 'https://www.tripadvisor.com/Attraction Products-g295424-a sort.-oa30-Dubai Emirate of Dubai.html#ATTRACTION LIST', 'https://www.tr ipadvisor.com/Attraction Products-g295424-a sort.-oa60-Dubai Emirate of D ubai.html#ATTRACTION LIST', 'https://www.tripadvisor.com/Attraction Produ cts-g295424-a sort.-oa90-Dubai Emirate of Dubai.html#ATTRACTION LIST', 'h ttps://www.tripadvisor.com/Attraction_Products-g295424-a_sort.-oa120-Duba i Emirate of Dubai.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/At traction Products-g295424-a sort.-oa150-Dubai Emirate of Dubai.html#ATTRA CTION_LIST', 'https://www.tripadvisor.com/Attraction_Products-g295424-a s ort.-oa180-Dubai Emirate of Dubai.html#ATTRACTION LIST', 'https://www.tri padvisor.com/Attraction Products-q295424-a sort.-oa210-Dubai Emirate of D ubai.html#ATTRACTION LIST', 'https://www.tripadvisor.com/Attraction Produ cts-g295424-a_sort.-oa240-Dubai_Emirate_of_Dubai.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/Attraction Products-g295424-a sort.-oa270-Du bai_Emirate_of_Dubai.html#ATTRACTION_LIST', 'https://www.tripadvisor.com/ Attraction Products-g295424-a sort.-oa300-Dubai Emirate of Dubai.html#ATT RACTION LIST', 'https://www.tripadvisor.com/Attraction_Products-g295424-a _sort.-oa330-Dubai_Emirate_of_Dubai.html#ATTRACTION_LIST', 'https://www.t

```
In [202]:
```

```
all_attractions_dubai = get_all_attractions(dubai_htmls)
print(len(all_attractions_dubai))
print(all_attractions_dubai[:5])
```

3694

['Premium Red Dunes & Camel Safari with BBQ at Al Khayma Camp', 'Red Dune s By Quad Bike, Sandsurf, Camels & BBQ at Al Khayma Camp', 'Dubai Marina Luxury Yacht Tour with Breakfast or BBQ', 'Dubai Red Dune Desert Safari: Camel Ride, Sandboarding & BBQ Options', 'Atlantis Aquaventure & Lost Chambers Ticket']

Attraction

City

```
    Premium Red Dunes & Camel Safari with BBQ at A... Dubai, United Arab Emirates
    Red Dunes By Quad Bike, Sandsurf, Camels & BBQ... Dubai, United Arab Emirates
    Dubai Marina Luxury Yacht Tour with Breakfast ... Dubai, United Arab Emirates
    Dubai Red Dune Desert Safari: Camel Ride, Sand... Dubai, United Arab Emirates
    Atlantis Aguaventure & Lost Chambers Ticket Dubai, United Arab Emirates
```

```
In [204]: 1 dubai_df.to_csv('/Users/tiaplagata/Documents/Flatiron/capstone-project
```

2.0.6 Concatenate all the DFs

Out[207]:

	Attraction	City
0	SEA LIFE London Aquarium Admission Ticket	London, United Kingdom
1	The Jack The Ripper Walking Tour in London	London, United Kingdom
2	Ghost Bus Tour of London	London, United Kingdom
3	Big Bus London Hop-On Hop-Off Tour and River C	London, United Kingdom
4	The Blood and Tears Walk: Serial Killers and L	London, United Kingdom
1	<pre>cities_df['City'].unique()</pre>	

▼ 2.1 Analysis continued in <u>EDA and Modeling Notebook</u> (https://github.com/tiaplagata/capstone-project/blob/main/Notebooks/EDA and <u>Modeling.ipynb</u>)