Simple BeautifulSoup example

November 17, 2024

1 Simple Webscraping Example with Beautiful Soup

```
[1]: # Import all neccessary libraries

from bs4 import BeautifulSoup
import urllib.request
import pandas as pd
```

```
1.1 Create a script that will look up from a list of Postal codes
[2]: import urllib.parse as urlparse
     from urllib.parse import urlencode
[3]: postal_df = pd.read_csv("./data/Toronto_Neighborhoods_with_Coordinates.csv")
[4]: postal = postal_df["Postalcode"]
[5]: # A list of postal code from the previous part
     postal
[5]: 0
            M<sub>1</sub>B
            M1C
     2
            M1E
     3
            M1G
     4
            M1H
     98
            M9N
     99
            M9P
     100
            M9R
     101
            M9V
     102
            M9W
     Name: Postalcode, Length: 103, dtype: object
[6]: # Creating Empty DataFrames and Storing it in variable df
     df0 = pd.DataFrame(columns = ['postal_code', 'data', 'value'])
```

```
df1 = pd.DataFrame(columns = ['postal_code', 'data', 'value'])
```

```
[7]: # Loop through each postal code
     for i in postal:
         url = "https://www12.statcan.gc.ca/census-recensement/2021/dp-pd/prof/

details/page.cfm?Lang=E"

         params = {
             'SearchText': i,
             'DGUIDlist': '2021A0011'+i
         }
         # this part switches up the postal code parameter in the url
         url_parts = list(urlparse.urlparse(url))
         query = dict(urlparse.parse_qsl(url_parts[4]))
         query.update(params)
         url_parts[4] = urlencode(query)
         query = urlparse.urlunparse(url_parts)
         # the following code is similar to the above
         html = urllib.request.urlopen(query)
         html_to_parse = BeautifulSoup(html, "html.parser")
         tables = html_to_parse.find_all("table")
         print(f"Number of tables found: {len(tables)}")
         # change the title to find the data you want
         title = (f"2021A0011{i} - Children - Counts - Total")
         trv:
             td = tables[0].find(attrs={"title":title})
             print(td)
             df0.loc[len(df0.index)] = [i, title, float(td.text.replace(",", ""))]
         except:
             pass
```

```
Number of tables found: 1
 24,745

Number of tables found: 1
 12,380

Number of tables found: 1
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geo2021A0011M1Estat1 geo2021A0011M1Estat1gen1" title="2021A0011M1E - Children -
```

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Counts - Total"> 7,600
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Counts - Total"> 11,970
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Counts - Total"> 20,320
Number of tables found: 1
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Counts - Total"> 13,995
```

```
for i in postal:
    url = "https://www12.statcan.gc.ca/census-recensement/2021/dp-pd/prof/
 →details/page.cfm?Lang=E"
    params = {
        'SearchText': i,
        'DGUIDlist': '2021A0011'+i
    }
    # this part switches up the postal code parameter in the url
    url_parts = list(urlparse.urlparse(url))
    query = dict(urlparse.parse_qsl(url_parts[4]))
    query.update(params)
    url parts[4] = urlencode(query)
    query = urlparse.urlunparse(url_parts)
    # the following code is similar to the above
    html = urllib.request.urlopen(query)
    html_to_parse = BeautifulSoup(html, "html.parser")
    tables = html_to_parse.find_all("table")
    print(f"Number of tables found: {len(tables)}")
    # change the title to find the data you want
    title = (f"2021A0011{i} - Total one-parent families - Counts - Total")
    try:
        td = tables[0].find(attrs={"title":title})
        print(td)
        df1.loc[len(df1.index)] = [i, title, float(td.text.replace(",", ""))]
    except:
        pass
Number of tables found: 1
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geo2021A0011M1Cstat1 geo2021A0011M1Cstat1gen1" title="2021A0011M1C - Total one-
parent families - Counts - Total"> 1,595
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M1E
geo2021A0011M1Estat1 geo2021A0011M1Estat1gen1" title="2021A0011M1E - Total one-
parent families - Counts - Total"> 3,520
Number of tables found: 1
```

[8]: # Loop through each postal code

```
<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M1G
geo2021A0011M1Gstat1 geo2021A0011M1Gstat1gen1" title="2021A0011M1G - Total one-
parent families - Counts - Total"> 1,955
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M1H
geo2021A0011M1Hstat1 geo2021A0011M1Hstat1gen1" title="2021A0011M1H - Total one-
parent families - Counts - Total"> 1,440
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M1J
geo2021A0011M1Jstat1 geo2021A0011M1Jstat1gen1" title="2021A0011M1J - Total one-
parent families - Counts - Total"> 2,935
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M1K
geo2021A0011M1Kstat1 geo2021A0011M1Kstat1gen1" title="2021A0011M1K - Total one-
parent families - Counts - Total"> 3,510
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M1L
geo2021A0011M1Lstat1 geo2021A0011M1Lstat1gen1" title="2021A0011M1L - Total one-
parent families - Counts - Total"> 2,035
Number of tables found: 1
geo2021A0011M1Mstat1 geo2021A0011M1Mstat1gen1" title="2021A0011M1M - Total one-
parent families - Counts - Total"> 1,285
Number of tables found: 1
geo2021A0011M1Nstat1 geo2021A0011M1Nstat1gen1" title="2021A0011M1N - Total one-
parent families - Counts - Total"> 1,220
Number of tables found: 1
geo2021A0011M1Pstat1 geo2021A0011M1Pstat1gen1" title="2021A0011M1P - Total one-
parent families - Counts - Total"> 2,690
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M1R
geo2021A0011M1Rstat1 geo2021A0011M1Rstat1gen1" title="2021A0011M1R - Total one-
parent families - Counts - Total"> 1,890
Number of tables found: 1
geo2021A0011M1Sstat1 geo2021A0011M1Sstat1gen1" title="2021A0011M1S - Total one-
parent families - Counts - Total"> 2,075
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M1T
geo2021A0011M1Tstat1 geo2021A0011M1Tstat1gen1" title="2021A0011M1T - Total one-
parent families - Counts - Total"> 2,230
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M1V
geo2021A0011M1Vstat1 geo2021A0011M1Vstat1gen1" title="2021A0011M1V - Total one-
parent families - Counts - Total"> 3,015
Number of tables found: 1
```

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<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M1W
geo2021A0011M1Wstat1 geo2021A0011M1Wstat1gen1" title="2021A0011M1W - Total one-
parent families - Counts - Total"> 2,910
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M1X
geo2021A0011M1Xstat1 geo2021A0011M1Xstat1gen1" title="2021A0011M1X - Total one-
parent families - Counts - Total">
                                 650
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M2H
geo2021A0011M2Hstat1 geo2021A0011M2Hstat1gen1" title="2021A0011M2H - Total one-
parent families - Counts - Total"> 1,385
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M2J
geo2021A0011M2Jstat1 geo2021A0011M2Jstat1gen1" title="2021A0011M2J - Total one-
parent families - Counts - Total"> 3,295
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M2K
geo2021A0011M2Kstat1 geo2021A0011M2Kstat1gen1" title="2021A0011M2K - Total one-
parent families - Counts - Total"> 1,125
Number of tables found: 1
geo2021A0011M2Lstat1 geo2021A0011M2Lstat1gen1" title="2021A0011M2L - Total one-
parent families - Counts - Total">
                                 615
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M2M
geo2021A0011M2Mstat1 geo2021A0011M2Mstat1gen1" title="2021A0011M2M - Total one-
parent families - Counts - Total"> 1,610
Number of tables found: 1
geo2021A0011M2Nstat1 geo2021A0011M2Nstat1gen1" title="2021A0011M2N - Total one-
parent families - Counts - Total"> 3,355
Number of tables found: 1
geo2021A0011M2Pstat1 geo2021A0011M2Pstat1gen1" title="2021A0011M2P - Total one-
parent families - Counts - Total">
                                 335
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M2R
geo2021A0011M2Rstat1 geo2021A0011M2Rstat1gen1" title="2021A0011M2R - Total one-
parent families - Counts - Total"> 2,535
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M3A
geo2021A0011M3Astat1 geo2021A0011M3Astat1gen1" title="2021A0011M3A - Total one-
parent families - Counts - Total"> 2,525
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M3B
geo2021A0011M3Bstat1 geo2021A0011M3Bstat1gen1" title="2021A0011M3B - Total one-
parent families - Counts - Total">
                                 520
Number of tables found: 1
```

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<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M3C
geo2021A0011M3Cstat1 geo2021A0011M3Cstat1gen1" title="2021A0011M3C - Total one-
parent families - Counts - Total"> 2,340
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M3H
geo2021A0011M3Hstat1 geo2021A0011M3Hstat1gen1" title="2021A0011M3H - Total one-
parent families - Counts - Total"> 1,995
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M3J
geo2021A0011M3Jstat1 geo2021A0011M3Jstat1gen1" title="2021A0011M3J - Total one-
parent families - Counts - Total"> 1,890
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M3K
geo2021A0011M3Kstat1 geo2021A0011M3Kstat1gen1" title="2021A0011M3K - Total one-
parent families - Counts - Total">
                                   540
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M3L
geo2021A0011M3Lstat1 geo2021A0011M3Lstat1gen1" title="2021A0011M3L - Total one-
parent families - Counts - Total"> 1,760
Number of tables found: 1
geo2021A0011M3Mstat1 geo2021A0011M3Mstat1gen1" title="2021A0011M3M - Total one-
parent families - Counts - Total"> 2,035
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M3N
geo2021A0011M3Nstat1 geo2021A0011M3Nstat1gen1" title="2021A0011M3N - Total one-
parent families - Counts - Total"> 4,520
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M4A
geo2021A0011M4Astat1 geo2021A0011M4Astat1gen1" title="2021A0011M4A - Total one-
parent families - Counts - Total"> 1,040
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M4B
geo2021A0011M4Bstat1 geo2021A0011M4Bstat1gen1" title="2021A0011M4B - Total one-
parent families - Counts - Total"> 1,185
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M4C
geo2021A0011M4Cstat1 geo2021A0011M4Cstat1gen1" title="2021A0011M4C - Total one-
parent families - Counts - Total"> 2,460
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M4E
geo2021A0011M4Estat1 geo2021A0011M4Estat1gen1" title="2021A0011M4E - Total one-
parent families - Counts - Total"> 1,080
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M4G
geo2021A0011M4Gstat1 geo2021A0011M4Gstat1gen1" title="2021A0011M4G - Total one-
parent families - Counts - Total">
                                   705
Number of tables found: 1
```

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<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M4H
geo2021A0011M4Hstat1 geo2021A0011M4Hstat1gen1" title="2021A0011M4H - Total one-
parent families - Counts - Total">
                                  740
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M4J
geo2021A0011M4Jstat1 geo2021A0011M4Jstat1gen1" title="2021A0011M4J - Total one-
parent families - Counts - Total"> 1,795
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M4K
geo2021A0011M4Kstat1 geo2021A0011M4Kstat1gen1" title="2021A0011M4K - Total one-
parent families - Counts - Total"> 1,430
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M4L
geo2021A0011M4Lstat1 geo2021A0011M4Lstat1gen1" title="2021A0011M4L - Total one-
parent families - Counts - Total"> 1,515
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M4M
geo2021A0011M4Mstat1 geo2021A0011M4Mstat1gen1" title="2021A0011M4M - Total one-
parent families - Counts - Total"> 1,190
Number of tables found: 1
geo2021A0011M4Nstat1 geo2021A0011M4Nstat1gen1" title="2021A0011M4N - Total one-
parent families - Counts - Total">
                                  485
Number of tables found: 1
geo2021A0011M4Pstat1 geo2021A0011M4Pstat1gen1" title="2021A0011M4P - Total one-
parent families - Counts - Total"> 1,030
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M4R
geo2021A0011M4Rstat1 geo2021A0011M4Rstat1gen1" title="2021A0011M4R - Total one-
parent families - Counts - Total">
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M4S
geo2021A0011M4Sstat1 geo2021A0011M4Sstat1gen1" title="2021A0011M4S - Total one-
parent families - Counts - Total"> 1,055
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M4T
geo2021A0011M4Tstat1 geo2021A0011M4Tstat1gen1" title="2021A0011M4T - Total one-
parent families - Counts - Total">
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M4V
geo2021A0011M4Vstat1 geo2021A0011M4Vstat1gen1" title="2021A0011M4V - Total one-
parent families - Counts - Total">
                                  635
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M4W
geo2021A0011M4Wstat1 geo2021A0011M4Wstat1gen1" title="2021A0011M4W - Total one-
parent families - Counts - Total">
                                  450
Number of tables found: 1
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<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M4X
geo2021A0011M4Xstat1 geo2021A0011M4Xstat1gen1" title="2021A0011M4X - Total one-
parent families - Counts - Total"> 1,035
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M4Y
geo2021A0011M4Ystat1 geo2021A0011M4Ystat1gen1" title="2021A0011M4Y - Total one-
parent families - Counts - Total">
                               780
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M5A
geo2021A0011M5Astat1 geo2021A0011M5Astat1gen1" title="2021A0011M5A - Total one-
parent families - Counts - Total"> 2,395
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M5B
geo2021A0011M5Bstat1 geo2021A0011M5Bstat1gen1" title="2021A0011M5B - Total one-
parent families - Counts - Total">
                               540
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M5C
geo2021A0011M5Cstat1 geo2021A0011M5Cstat1gen1" title="2021A0011M5C - Total one-
parent families - Counts - Total">
                                95
Number of tables found: 1
geo2021A0011M5Estat1 geo2021A0011M5Estat1gen1" title="2021A0011M5E - Total one-
parent families - Counts - Total">
                               230
Number of tables found: 1
geo2021A0011M5Gstat1 geo2021A0011M5Gstat1gen1" title="2021A0011M5G - Total one-
parent families - Counts - Total">
                               325
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M5H
geo2021A0011M5Hstat1 geo2021A0011M5Hstat1gen1" title="2021A0011M5H - Total one-
parent families - Counts - Total">
                                45
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M5J
geo2021A0011M5Jstat1 geo2021A0011M5Jstat1gen1" title="2021A0011M5J - Total one-
parent families - Counts - Total">
                               365
Number of tables found: 0
Number of tables found: 0
Number of tables found: 1
geo2021A0011M5Mstat1 geo2021A0011M5Mstat1gen1" title="2021A0011M5M - Total one-
parent families - Counts - Total">
                               855
Number of tables found: 1
geo2021A0011M5Nstat1 geo2021A0011M5Nstat1gen1" title="2021A0011M5N - Total one-
parent families - Counts - Total">
Number of tables found: 1
geo2021A0011M5Pstat1 geo2021A0011M5Pstat1gen1" title="2021A0011M5P - Total one-
```

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parent families - Counts - Total">
                            695
Number of tables found: 1
geo2021A0011M5Rstat1 geo2021A0011M5Rstat1gen1" title="2021A0011M5R - Total one-
parent families - Counts - Total">
                            735
Number of tables found: 1
geo2021A0011M5Sstat1 geo2021A0011M5Sstat1gen1" title="2021A0011M5S - Total one-
parent families - Counts - Total">
                            445
Number of tables found: 1
geo2021A0011M5Tstat1 geo2021A0011M5Tstat1gen1" title="2021A0011M5T - Total one-
parent families - Counts - Total">
                            800
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M5V
geo2021A0011M5Vstat1 geo2021A0011M5Vstat1gen1" title="2021A0011M5V - Total one-
parent families - Counts - Total"> 1,340
Number of tables found: 0
Number of tables found: 0
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M6A
geo2021A0011M6Astat1 geo2021A0011M6Astat1gen1" title="2021A0011M6A - Total one-
parent families - Counts - Total"> 1,710
Number of tables found: 1
geo2021A0011M6Bstat1 geo2021A0011M6Bstat1gen1" title="2021A0011M6B - Total one-
parent families - Counts - Total"> 1,525
Number of tables found: 1
geo2021A0011M6Cstat1 geo2021A0011M6Cstat1gen1" title="2021A0011M6C - Total one-
parent families - Counts - Total"> 1,070
Number of tables found: 1
geo2021A0011M6Estat1 geo2021A0011M6Estat1gen1" title="2021A0011M6E - Total one-
parent families - Counts - Total"> 2,390
Number of tables found: 1
geo2021A0011M6Gstat1 geo2021A0011M6Gstat1gen1" title="2021A0011M6G - Total one-
parent families - Counts - Total"> 1,315
Number of tables found: 1
geo2021A0011M6Hstat1 geo2021A0011M6Hstat1gen1" title="2021A0011M6H - Total one-
parent families - Counts - Total"> 1,980
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M6J
geo2021A0011M6Jstat1 geo2021A0011M6Jstat1gen1" title="2021A0011M6J - Total one-
parent families - Counts - Total"> 1,295
Number of tables found: 1
```

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<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M6K
geo2021A0011M6Kstat1 geo2021A0011M6Kstat1gen1" title="2021A0011M6K - Total one-
parent families - Counts - Total"> 1,710
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M6L
geo2021A0011M6Lstat1 geo2021A0011M6Lstat1gen1" title="2021A0011M6L - Total one-
parent families - Counts - Total"> 1,705
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M6M
geo2021A0011M6Mstat1 geo2021A0011M6Mstat1gen1" title="2021A0011M6M - Total one-
parent families - Counts - Total"> 3,840
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M6N
geo2021A0011M6Nstat1 geo2021A0011M6Nstat1gen1" title="2021A0011M6N - Total one-
parent families - Counts - Total"> 2,905
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M6P
geo2021A0011M6Pstat1 geo2021A0011M6Pstat1gen1" title="2021A0011M6P - Total one-
parent families - Counts - Total"> 1,660
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M6R
geo2021A0011M6Rstat1 geo2021A0011M6Rstat1gen1" title="2021A0011M6R - Total one-
parent families - Counts - Total">
                                665
Number of tables found: 1
geo2021A0011M6Sstat1 geo2021A0011M6Sstat1gen1" title="2021A0011M6S - Total one-
parent families - Counts - Total"> 1,500
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M7A
geo2021A0011M7Astat1 geo2021A0011M7Astat1gen1" title="2021A0011M7A - Total one-
parent families - Counts - Total"><abbr title="suppressed to meet the
confidentiality requirements of the Statistics Act">x</abbr>
Number of tables found: 0
Number of tables found: 0
Number of tables found: 1
geo2021A0011M8Vstat1 geo2021A0011M8Vstat1gen1" title="2021A0011M8V - Total one-
parent families - Counts - Total"> 2,120
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M8W
geo2021A0011M8Wstat1 geo2021A0011M8Wstat1gen1" title="2021A0011M8W - Total one-
parent families - Counts - Total"> 1,210
Number of tables found: 1
geo2021A0011M8Xstat1 geo2021A0011M8Xstat1gen1" title="2021A0011M8X - Total one-
parent families - Counts - Total">
                                355
Number of tables found: 1
```

```
geo2021A0011M8Ystat1 geo2021A0011M8Ystat1gen1" title="2021A0011M8Y - Total one-
parent families - Counts - Total"> 1,000
Number of tables found: 1
geo2021A0011M8Zstat1 geo2021A0011M8Zstat1gen1" title="2021A0011M8Z - Total one-
parent families - Counts - Total">
                                                         820
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M9A
geo2021A0011M9Astat1 geo2021A0011M9Astat1gen1" title="2021A0011M9A - Total one-
parent families - Counts - Total"> 1,825
Number of tables found: 1
geo2021A0011M9Bstat1 geo2021A0011M9Bstat1gen1" title="2021A0011M9B - Total one-
parent families - Counts - Total"> 1,555
Number of tables found: 1
geo2021A0011M9Cstat1 geo2021A0011M9Cstat1gen1" title="2021A0011M9C - Total one-
parent families - Counts - Total"> 2,185
Number of tables found: 1
geo2021A0011M9Lstat1 geo2021A0011M9Lstat1gen1" title="2021A0011M9L - Total one-
parent families - Counts - Total">
                                                          780
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M9M
geo2021A0011M9Mstat1 geo2021A0011M9Mstat1gen1" title="2021A0011M9M - Total one-
parent families - Counts - Total"> 1,990
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M9N
geo2021A0011M9Nstat1 geo2021A0011M9Nstat1gen1" title="2021A0011M9N - Total one-
parent families - Counts - Total"> 2,120
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M9P
geo2021A0011M9Pstat1 geo2021A0011M9Pstat1gen1" title="2021A0011M9P - Total one-
parent families - Counts - Total"> 1,460
Number of tables found: 1
geo2021A0011M9Rstat1 geo2021A0011M9Rstat1gen1" title="2021A0011M9R - Total one-
parent families - Counts - Total"> 2,390
Number of tables found: 1
geo2021A0011M9Vstat1 geo2021A0011M9Vstat1gen1" title="2021A0011M9V - Total one-
parent families - Counts - Total"> 3,925
Number of tables found: 1
\tt geo2021A0011M9Wstat1\ geo2021A0011M9Wstat1gen1"\ title="2021A0011M9W\ -\ Total\ one-part of the control of 
parent families - Counts - Total"> 2,915
```

```
[9]: # Now you can export this to a CSV file for further analysis or visulization
    df0.to_csv("Children_in_each_neighborhood.csv", index = False)
    df1.to_csv("Single_parents_in_each_neighborhood.csv", index = False)

[ ]:
```