

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      M1B
      1      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_qs(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")
    try:
        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
```

```
<td class="text-right text-nowrap" headers="rh5 r93 geo2021A0011M1B
geo2021A0011M1Bstat1 geo2021A0011M1Bstat1gen1" title="2021A0011M1B - Children -
Counts - Total"> 24,745</td>
```

```
Number of tables found: 1
```

```
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Counts - Total"> 12,380</td>
```

```
Number of tables found: 1
```

```
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```

Counts - Total"> 16,850</td>
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Counts - Total"> 11,120</td>
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Counts - Total"> 6,680</td>
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Counts - Total"> 14,360</td>
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Counts - Total"> 10,170</td>
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Counts - Total"> 11,025</td>
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Counts - Total"> 10,835</td>
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Counts - Total"> 16,525</td>
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Counts - Total"> 5,985</td>
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Counts - Total"> 6,950</td>
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Counts - Total"> 17,845</td>
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Counts - Total"> 11,750</td>
Number of tables found: 1
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Counts - Total"> 4,095</td>
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Counts - Total"> 12,510</td>
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Counts - Total"> 7,635</td>
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Counts - Total"> 10,620</td>
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Counts - Total"> 5,915</td>
Number of tables found: 1
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Counts - Total"> 4,765</td>
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Counts - Total"> 4,505</td>
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Counts - Total"> 6,360</td>
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Counts - Total"> 2,370</td>
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Counts - Total"> 3,635</td>
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Counts - Total"> 2,950</td>
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Counts - Total"> 2,845</td>
Number of tables found: 1
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Counts - Total"> 8,745</td>
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Counts - Total"> 355</td>
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Counts - Total"> 1,145</td>
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Counts - Total"> 1,315</td>
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Number of tables found: 1

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Counts - Total"> 5,910</td>
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Counts - Total"> 6,745</td>
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Counts - Total"> 7,100</td>
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Counts - Total"> 14,670</td>
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geo2021A0011M6Nstat1 geo2021A0011M6Nstat1gen1" title="2021A0011M6N - Children -
Counts - Total"> 12,750</td>
Number of tables found: 1
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Counts - Total"> 9,180</td>
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Counts - Total"> 4,960</td>
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Counts - Total"> 10,095</td>
Number of tables found: 1
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geo2021A0011M7Astat1 geo2021A0011M7Astat1gen1" title="2021A0011M7A - Children -
Counts - Total"><abbr title="suppressed to meet the confidentiality requirements
of the Statistics Act">x</abbr></td>
Number of tables found: 0
Number of tables found: 0
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh5 r93 geo2021A0011M8V
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Counts - Total"> 8,915</td>
Number of tables found: 1
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Counts - Total"> 6,310</td>
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh5 r93 geo2021A0011M8X
geo2021A0011M8Xstat1 geo2021A0011M8Xstat1gen1" title="2021A0011M8X - Children -
Counts - Total"> 2,880</td>

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh5 r93 geo2021A0011M8Y
geo2021A0011M8Ystat1 geo2021A0011M8Ystat1gen1" title="2021A0011M8Y - Children -
Counts - Total"> 5,870</td>

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh5 r93 geo2021A0011M8Z
geo2021A0011M8Zstat1 geo2021A0011M8Zstat1gen1" title="2021A0011M8Z - Children -
Counts - Total"> 5,385</td>

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh5 r93 geo2021A0011M9A
geo2021A0011M9Astat1 geo2021A0011M9Astat1gen1" title="2021A0011M9A - Children -
Counts - Total"> 10,185</td>

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh5 r93 geo2021A0011M9B
geo2021A0011M9Bstat1 geo2021A0011M9Bstat1gen1" title="2021A0011M9B - Children -
Counts - Total"> 10,625</td>

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh5 r93 geo2021A0011M9C
geo2021A0011M9Cstat1 geo2021A0011M9Cstat1gen1" title="2021A0011M9C - Children -
Counts - Total"> 11,760</td>

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh5 r93 geo2021A0011M9L
geo2021A0011M9Lstat1 geo2021A0011M9Lstat1gen1" title="2021A0011M9L - Children -
Counts - Total"> 4,235</td>

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh5 r93 geo2021A0011M9M
geo2021A0011M9Mstat1 geo2021A0011M9Mstat1gen1" title="2021A0011M9M - Children -
Counts - Total"> 8,985</td>

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh5 r93 geo2021A0011M9N
geo2021A0011M9Nstat1 geo2021A0011M9Nstat1gen1" title="2021A0011M9N - Children -
Counts - Total"> 8,515</td>

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh5 r93 geo2021A0011M9P
geo2021A0011M9Pstat1 geo2021A0011M9Pstat1gen1" title="2021A0011M9P - Children -
Counts - Total"> 6,760</td>

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh5 r93 geo2021A0011M9R
geo2021A0011M9Rstat1 geo2021A0011M9Rstat1gen1" title="2021A0011M9R - Children -
Counts - Total"> 11,970</td>

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh5 r93 geo2021A0011M9V
geo2021A0011M9Vstat1 geo2021A0011M9Vstat1gen1" title="2021A0011M9V - Children -
Counts - Total"> 20,320</td>

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh5 r93 geo2021A0011M9W
geo2021A0011M9Wstat1 geo2021A0011M9Wstat1gen1" title="2021A0011M9W - Children -
Counts - Total"> 13,995</td>

```
[8]: # 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_qs(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

```
<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M1B
geo2021A0011M1Bstat1 geo2021A0011M1Bstat1gen1" title="2021A0011M1B - Total one-
parent families - Counts - Total"> 4,590</td>
```

Number of tables found: 1

```
<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M1C
geo2021A0011M1Cstat1 geo2021A0011M1Cstat1gen1" title="2021A0011M1C - Total one-
parent families - Counts - Total"> 1,595</td>
```

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</td>
```

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M1G
 geo2021A0011M1Gstat1 geo2021A0011M1Gstat1gen1" title="2021A0011M1G - Total one-
 parent families - Counts - Total"> 1,955</td>
 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</td>
 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</td>
 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</td>
 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</td>
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M1M
 geo2021A0011M1Mstat1 geo2021A0011M1Mstat1gen1" title="2021A0011M1M - Total one-
 parent families - Counts - Total"> 1,285</td>
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M1N
 geo2021A0011M1Nstat1 geo2021A0011M1Nstat1gen1" title="2021A0011M1N - Total one-
 parent families - Counts - Total"> 1,220</td>
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M1P
 geo2021A0011M1Pstat1 geo2021A0011M1Pstat1gen1" title="2021A0011M1P - Total one-
 parent families - Counts - Total"> 2,690</td>
 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</td>
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M1S
 geo2021A0011M1Sstat1 geo2021A0011M1Sstat1gen1" title="2021A0011M1S - Total one-
 parent families - Counts - Total"> 2,075</td>
 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</td>
 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</td>
 Number of tables found: 1

<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M1W
 geo2021A0011M1Wstat1 geo2021A0011M1Wstat1gen1" title="2021A0011M1W - Total one-
 parent families - Counts - Total"> 2,910</td>
 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</td>
 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</td>
 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</td>
 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</td>
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M2L
 geo2021A0011M2Lstat1 geo2021A0011M2Lstat1gen1" title="2021A0011M2L - Total one-
 parent families - Counts - Total"> 615</td>
 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</td>
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M2N
 geo2021A0011M2Nstat1 geo2021A0011M2Nstat1gen1" title="2021A0011M2N - Total one-
 parent families - Counts - Total"> 3,355</td>
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M2P
 geo2021A0011M2Pstat1 geo2021A0011M2Pstat1gen1" title="2021A0011M2P - Total one-
 parent families - Counts - Total"> 335</td>
 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</td>
 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</td>
 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</td>
 Number of tables found: 1

<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M3C
 geo2021A0011M3Cstat1 geo2021A0011M3Cstat1gen1" title="2021A0011M3C - Total one-
 parent families - Counts - Total"> 2,340</td>
 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</td>
 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</td>
 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</td>
 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</td>
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M3M
 geo2021A0011M3Mstat1 geo2021A0011M3Mstat1gen1" title="2021A0011M3M - Total one-
 parent families - Counts - Total"> 2,035</td>
 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</td>
 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</td>
 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</td>
 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</td>
 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</td>
 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</td>
 Number of tables found: 1

<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M4H
 geo2021A0011M4Hstat1 geo2021A0011M4Hstat1gen1" title="2021A0011M4H - Total one-
 parent families - Counts - Total"> 740</td>
 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</td>
 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</td>
 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</td>
 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</td>
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M4N
 geo2021A0011M4Nstat1 geo2021A0011M4Nstat1gen1" title="2021A0011M4N - Total one-
 parent families - Counts - Total"> 485</td>
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M4P
 geo2021A0011M4Pstat1 geo2021A0011M4Pstat1gen1" title="2021A0011M4P - Total one-
 parent families - Counts - Total"> 1,030</td>
 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"> 410</td>
 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</td>
 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"> 315</td>
 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</td>
 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</td>
 Number of tables found: 1

<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M4X
 geo2021A0011M4Xstat1 geo2021A0011M4Xstat1gen1" title="2021A0011M4X - Total one-
 parent families - Counts - Total"> 1,035</td>
 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</td>
 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</td>
 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</td>
 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</td>
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M5E
 geo2021A0011M5Estat1 geo2021A0011M5Estat1gen1" title="2021A0011M5E - Total one-
 parent families - Counts - Total"> 230</td>
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M5G
 geo2021A0011M5Gstat1 geo2021A0011M5Gstat1gen1" title="2021A0011M5G - Total one-
 parent families - Counts - Total"> 325</td>
 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</td>
 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</td>
 Number of tables found: 0
 Number of tables found: 0
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M5M
 geo2021A0011M5Mstat1 geo2021A0011M5Mstat1gen1" title="2021A0011M5M - Total one-
 parent families - Counts - Total"> 855</td>
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M5N
 geo2021A0011M5Nstat1 geo2021A0011M5Nstat1gen1" title="2021A0011M5N - Total one-
 parent families - Counts - Total"> 595</td>
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M5P
 geo2021A0011M5Pstat1 geo2021A0011M5Pstat1gen1" title="2021A0011M5P - Total one-

parent families - Counts - Total"> 695</td>
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M5R
geo2021A0011M5Rstat1 geo2021A0011M5Rstat1gen1" title="2021A0011M5R - Total one-
parent families - Counts - Total"> 735</td>
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M5S
geo2021A0011M5Sstat1 geo2021A0011M5Sstat1gen1" title="2021A0011M5S - Total one-
parent families - Counts - Total"> 445</td>
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M5T
geo2021A0011M5Tstat1 geo2021A0011M5Tstat1gen1" title="2021A0011M5T - Total one-
parent families - Counts - Total"> 800</td>
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</td>
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</td>
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M6B
geo2021A0011M6Bstat1 geo2021A0011M6Bstat1gen1" title="2021A0011M6B - Total one-
parent families - Counts - Total"> 1,525</td>
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M6C
geo2021A0011M6Cstat1 geo2021A0011M6Cstat1gen1" title="2021A0011M6C - Total one-
parent families - Counts - Total"> 1,070</td>
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M6E
geo2021A0011M6Estat1 geo2021A0011M6Estat1gen1" title="2021A0011M6E - Total one-
parent families - Counts - Total"> 2,390</td>
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M6G
geo2021A0011M6Gstat1 geo2021A0011M6Gstat1gen1" title="2021A0011M6G - Total one-
parent families - Counts - Total"> 1,315</td>
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M6H
geo2021A0011M6Hstat1 geo2021A0011M6Hstat1gen1" title="2021A0011M6H - Total one-
parent families - Counts - Total"> 1,980</td>
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</td>
Number of tables found: 1

<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M6K
 geo2021A0011M6Kstat1 geo2021A0011M6Kstat1gen1" title="2021A0011M6K - Total one-
 parent families - Counts - Total"> 1,710</td>
 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</td>
 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</td>
 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</td>
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 geo2021A0011M6Pstat1 geo2021A0011M6Pstat1gen1" title="2021A0011M6P - Total one-
 parent families - Counts - Total"> 1,660</td>
 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</td>
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M6S
 geo2021A0011M6Sstat1 geo2021A0011M6Sstat1gen1" title="2021A0011M6S - Total one-
 parent families - Counts - Total"> 1,500</td>
 Number of tables found: 1
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 geo2021A0011M7Astat1 geo2021A0011M7Astat1gen1" title="2021A0011M7A - Total one-
 parent families - Counts - Total"><abbr title="suppressed to meet the
 confidentiality requirements of the Statistics Act">x</abbr></td>
 Number of tables found: 0
 Number of tables found: 0
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M8V
 geo2021A0011M8Vstat1 geo2021A0011M8Vstat1gen1" title="2021A0011M8V - Total one-
 parent families - Counts - Total"> 2,120</td>
 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</td>
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M8X
 geo2021A0011M8Xstat1 geo2021A0011M8Xstat1gen1" title="2021A0011M8X - Total one-
 parent families - Counts - Total"> 355</td>
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M8Y

geo2021A0011M8Ystat1 geo2021A0011M8Ystat1gen1" title="2021A0011M8Y - Total one-parent families - Counts - Total"> 1,000</td>

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M8Z geo2021A0011M8Zstat1 geo2021A0011M8Zstat1gen1" title="2021A0011M8Z - Total one-parent families - Counts - Total"> 820</td>

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</td>

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M9B geo2021A0011M9Bstat1 geo2021A0011M9Bstat1gen1" title="2021A0011M9B - Total one-parent families - Counts - Total"> 1,555</td>

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M9C geo2021A0011M9Cstat1 geo2021A0011M9Cstat1gen1" title="2021A0011M9C - Total one-parent families - Counts - Total"> 2,185</td>

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M9L geo2021A0011M9Lstat1 geo2021A0011M9Lstat1gen1" title="2021A0011M9L - Total one-parent families - Counts - Total"> 780</td>

Number of tables found: 1

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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</td>

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</td>

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M9R geo2021A0011M9Rstat1 geo2021A0011M9Rstat1gen1" title="2021A0011M9R - Total one-parent families - Counts - Total"> 2,390</td>

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M9V geo2021A0011M9Vstat1 geo2021A0011M9Vstat1gen1" title="2021A0011M9V - Total one-parent families - Counts - Total"> 3,925</td>

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh5 r86 geo2021A0011M9W geo2021A0011M9Wstat1 geo2021A0011M9Wstat1gen1" title="2021A0011M9W - Total one-parent families - Counts - Total"> 2,915</td>

[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)
```

[]:

[10]: