

# house -Copy2

November 24, 2024

## 1 Simple Webscraping Example with BeautifulSoup

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

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

```
[2]: # Assign the URL to a variable
```

```
url = "https://www12.statcan.gc.ca/census-recensement/2021/dp-pd/prof/details/
↳page.cfm?
↳Lang=E&SearchText=M1C&DGUIDlist=2021A0011M1C&GENDERlist=1,2,3&STATISTIClist=1,4&HEADERlist="

# use the urlopen function to open the webpage
html = urllib.request.urlopen(url)

# show object html
html
```

```
[2]: <http.client.HTTPResponse at 0x7f24dbe9f790>
```

```
[3]: # Create the BeautifulSoup object
```

```
html_to_parse = BeautifulSoup(html, "html.parser")
```

```
[4]: # create a list of tables. There is only 1 table in this webpage
```

```
tables = html_to_parse.find_all("table")
print(f"Number of tables found: {len(tables)}")
```

Number of tables found: 1

```
[5]: # Create list of all the <th> tags in the table that has the title
↳"2021A0011M1C - Population, 2021 - Counts - Total"
```

```
td = tables[0].find(attrs={"title":"2021A0011M1C - 25 to 29 years - Counts -  
↪Total"})
```

```
[6]: td
```

```
[6]: <td class="text-right text-nowrap" headers="rh2 r16 geo2021A0011M1C  
geo2021A0011M1Cstat1 geo2021A0011M1Cstat1gen1" title="2021A0011M1C - 25 to 29  
years - Counts - Total"> 2,385</td>
```

```
[7]: # convert to float  
float(td.text.replace(",",""))
```

```
[7]: 2385.0
```

## 1.1 Create a script that will look up from a list of Postal codes

```
[8]: import urllib.parse as urlparse  
from urllib.parse import urlencode
```

```
[9]: # A list of postal code from the previous part  
  
postal = ['M3A', 'M4A', 'M5A', 'M6A', 'M7A', 'M5E', 'M4E', 'M6E', 'M5G',  
↪ 'M6G', 'M2H', 'M3H', 'M4H', 'M5H', 'M6H',  
'M1J', 'M2J', 'M3J',  
    'M4J',  
    'M5J',  
    'M5K',  
    'M6K',  
    'M1L',  
    'M2L',  
    'M3L',  
    'M4L',  
    'M5L',  
    'M6L',  
    'M9L',  
    'M1M',  
    'M2M',  
    'M3M',  
    'M4M',  
    'M5M',  
    'M6M',  
    'M9M',  
    'M1N',  
    'M2N',  
    'M3N',  
    'M4N',  
    'M5N',
```

```

'M6N', 'M9N',
'M1P',
'M2P',
'M4P',
'M5P',
'M6P',
'M9P',
'M1R',
'M2R',
'M4R',
'M5R',
'M6R',
'M7R',
'M9R',
'M1S', 'M4S',
'M5S',
'M6S',
'M1T',
'M4T',
'M5T',
'M1V',
'M4V',
'M5V',
'M8V',
'M9V',
'M1W',
'M4W',
'M5W',
'M8W',
'M9W',
'M1X',
'M4X',
'M5X',
'M8X',
'M7Y',
'M8Y',
'M8Z',]

```

```
[10]: # Creating Empty DataFrame and Storing it in variable df
```

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

```
[11]: # Loop through each postal code
```

```
import numpy as np
```

```
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)}")

tables = html_to_parse.find_all("table")
if len(tables) == 0:
    print("No tables found on this page.")
    continue # Skip to the next iteration

# change the title to find the data you want
title = (f"2021A0011{i} - 25 to 29 years - Counts - Total")
td = tables[0].find(attrs={"title":title})
print(td)

if td:
    try:
        # Try to convert text to float
        value = float(td.text.replace(", ", ""))
    except ValueError:
        # Handle suppressed data or invalid values
        value = np.nan
        print(f>Data suppressed or invalid for {i}, setting value to NaN.")

    df.loc[len(df.index)] = [i, title, value]
else:

```

```
print(f"No data found for title: {title}")
```

Number of tables found: 1

```
<td class="text-right text-nowrap" headers="rh2 r16 geo2021A0011M3A  
geo2021A0011M3Astat1 geo2021A0011M3Astat1gen1" title="2021A0011M3A - 25 to 29  
years - Counts - Total"> 2,525</td>
```

Number of tables found: 1

```
<td class="text-right text-nowrap" headers="rh2 r16 geo2021A0011M4A  
geo2021A0011M4Astat1 geo2021A0011M4Astat1gen1" title="2021A0011M4A - 25 to 29  
years - Counts - Total"> 920</td>
```

Number of tables found: 1

```
<td class="text-right text-nowrap" headers="rh2 r16 geo2021A0011M5A  
geo2021A0011M5Astat1 geo2021A0011M5Astat1gen1" title="2021A0011M5A - 25 to 29  
years - Counts - Total"> 6,310</td>
```

Number of tables found: 1

```
<td class="text-right text-nowrap" headers="rh2 r16 geo2021A0011M6A  
geo2021A0011M6Astat1 geo2021A0011M6Astat1gen1" title="2021A0011M6A - 25 to 29  
years - Counts - Total"> 1,765</td>
```

Number of tables found: 1

```
<td class="text-right text-nowrap" headers="rh2 r16 geo2021A0011M7A  
geo2021A0011M7Astat1 geo2021A0011M7Astat1gen1" title="2021A0011M7A - 25 to 29  
years - Counts - Total"><abbr title="suppressed to meet the confidentiality  
requirements of the Statistics Act">x</abbr></td>
```

Data suppressed or invalid for M7A, setting value to NaN.

Number of tables found: 1

```
<td class="text-right text-nowrap" headers="rh2 r16 geo2021A0011M5E  
geo2021A0011M5Estat1 geo2021A0011M5Estat1gen1" title="2021A0011M5E - 25 to 29  
years - Counts - Total"> 2,375</td>
```

Number of tables found: 1

```
<td class="text-right text-nowrap" headers="rh2 r16 geo2021A0011M4E  
geo2021A0011M4Estat1 geo2021A0011M4Estat1gen1" title="2021A0011M4E - 25 to 29  
years - Counts - Total"> 1,105</td>
```

Number of tables found: 1

```
<td class="text-right text-nowrap" headers="rh2 r16 geo2021A0011M6E  
geo2021A0011M6Estat1 geo2021A0011M6Estat1gen1" title="2021A0011M6E - 25 to 29  
years - Counts - Total"> 2,840</td>
```

Number of tables found: 1

```
<td class="text-right text-nowrap" headers="rh2 r16 geo2021A0011M5G  
geo2021A0011M5Gstat1 geo2021A0011M5Gstat1gen1" title="2021A0011M5G - 25 to 29  
years - Counts - Total"> 2,130</td>
```

Number of tables found: 1

```
<td class="text-right text-nowrap" headers="rh2 r16 geo2021A0011M6G  
geo2021A0011M6Gstat1 geo2021A0011M6Gstat1gen1" title="2021A0011M6G - 25 to 29  
years - Counts - Total"> 2,995</td>
```

Number of tables found: 1

```
<td class="text-right text-nowrap" headers="rh2 r16 geo2021A0011M2H  
geo2021A0011M2Hstat1 geo2021A0011M2Hstat1gen1" title="2021A0011M2H - 25 to 29
```

years - Counts - Total"> 1,595</td>  
Number of tables found: 1  
<td class="text-right text-nowrap" headers="rh2 r16 geo2021A0011M3H  
geo2021A0011M3Hstat1 geo2021A0011M3Hstat1gen1" title="2021A0011M3H - 25 to 29  
years - Counts - Total"> 2,680</td>  
Number of tables found: 1  
<td class="text-right text-nowrap" headers="rh2 r16 geo2021A0011M4H  
geo2021A0011M4Hstat1 geo2021A0011M4Hstat1gen1" title="2021A0011M4H - 25 to 29  
years - Counts - Total"> 1,245</td>  
Number of tables found: 1  
<td class="text-right text-nowrap" headers="rh2 r16 geo2021A0011M5H  
geo2021A0011M5Hstat1 geo2021A0011M5Hstat1gen1" title="2021A0011M5H - 25 to 29  
years - Counts - Total"> 785</td>  
Number of tables found: 1  
<td class="text-right text-nowrap" headers="rh2 r16 geo2021A0011M6H  
geo2021A0011M6Hstat1 geo2021A0011M6Hstat1gen1" title="2021A0011M6H - 25 to 29  
years - Counts - Total"> 4,260</td>  
Number of tables found: 1  
<td class="text-right text-nowrap" headers="rh2 r16 geo2021A0011M1J  
geo2021A0011M1Jstat1 geo2021A0011M1Jstat1gen1" title="2021A0011M1J - 25 to 29  
years - Counts - Total"> 2,855</td>  
Number of tables found: 1  
<td class="text-right text-nowrap" headers="rh2 r16 geo2021A0011M2J  
geo2021A0011M2Jstat1 geo2021A0011M2Jstat1gen1" title="2021A0011M2J - 25 to 29  
years - Counts - Total"> 6,220</td>  
Number of tables found: 1  
<td class="text-right text-nowrap" headers="rh2 r16 geo2021A0011M3J  
geo2021A0011M3Jstat1 geo2021A0011M3Jstat1gen1" title="2021A0011M3J - 25 to 29  
years - Counts - Total"> 2,760</td>  
Number of tables found: 1  
<td class="text-right text-nowrap" headers="rh2 r16 geo2021A0011M4J  
geo2021A0011M4Jstat1 geo2021A0011M4Jstat1gen1" title="2021A0011M4J - 25 to 29  
years - Counts - Total"> 1,910</td>  
Number of tables found: 1  
<td class="text-right text-nowrap" headers="rh2 r16 geo2021A0011M5J  
geo2021A0011M5Jstat1 geo2021A0011M5Jstat1gen1" title="2021A0011M5J - 25 to 29  
years - Counts - Total"> 3,365</td>  
Number of tables found: 0  
No tables found on this page.  
Number of tables found: 1  
<td class="text-right text-nowrap" headers="rh2 r16 geo2021A0011M6K  
geo2021A0011M6Kstat1 geo2021A0011M6Kstat1gen1" title="2021A0011M6K - 25 to 29  
years - Counts - Total"> 6,220</td>  
Number of tables found: 1  
<td class="text-right text-nowrap" headers="rh2 r16 geo2021A0011M1L  
geo2021A0011M1Lstat1 geo2021A0011M1Lstat1gen1" title="2021A0011M1L - 25 to 29  
years - Counts - Total"> 2,435</td>  
Number of tables found: 1

<td class="text-right text-nowrap" headers="rh2 r16 geo2021A0011M2L  
 geo2021A0011M2Lstat1 geo2021A0011M2Lstat1gen1" title="2021A0011M2L - 25 to 29  
 years - Counts - Total"> 655</td>  
 Number of tables found: 1  
 <td class="text-right text-nowrap" headers="rh2 r16 geo2021A0011M3L  
 geo2021A0011M3Lstat1 geo2021A0011M3Lstat1gen1" title="2021A0011M3L - 25 to 29  
 years - Counts - Total"> 1,285</td>  
 Number of tables found: 1  
 <td class="text-right text-nowrap" headers="rh2 r16 geo2021A0011M4L  
 geo2021A0011M4Lstat1 geo2021A0011M4Lstat1gen1" title="2021A0011M4L - 25 to 29  
 years - Counts - Total"> 1,665</td>  
 Number of tables found: 0  
 No tables found on this page.  
 Number of tables found: 1  
 <td class="text-right text-nowrap" headers="rh2 r16 geo2021A0011M6L  
 geo2021A0011M6Lstat1 geo2021A0011M6Lstat1gen1" title="2021A0011M6L - 25 to 29  
 years - Counts - Total"> 1,365</td>  
 Number of tables found: 1  
 <td class="text-right text-nowrap" headers="rh2 r16 geo2021A0011M9L  
 geo2021A0011M9Lstat1 geo2021A0011M9Lstat1gen1" title="2021A0011M9L - 25 to 29  
 years - Counts - Total"> 950</td>  
 Number of tables found: 1  
 <td class="text-right text-nowrap" headers="rh2 r16 geo2021A0011M1M  
 geo2021A0011M1Mstat1 geo2021A0011M1Mstat1gen1" title="2021A0011M1M - 25 to 29  
 years - Counts - Total"> 1,450</td>  
 Number of tables found: 1  
 <td class="text-right text-nowrap" headers="rh2 r16 geo2021A0011M2M  
 geo2021A0011M2Mstat1 geo2021A0011M2Mstat1gen1" title="2021A0011M2M - 25 to 29  
 years - Counts - Total"> 2,735</td>  
 Number of tables found: 1  
 <td class="text-right text-nowrap" headers="rh2 r16 geo2021A0011M3M  
 geo2021A0011M3Mstat1 geo2021A0011M3Mstat1gen1" title="2021A0011M3M - 25 to 29  
 years - Counts - Total"> 1,835</td>  
 Number of tables found: 1  
 <td class="text-right text-nowrap" headers="rh2 r16 geo2021A0011M4M  
 geo2021A0011M4Mstat1 geo2021A0011M4Mstat1gen1" title="2021A0011M4M - 25 to 29  
 years - Counts - Total"> 2,190</td>  
 Number of tables found: 1  
 <td class="text-right text-nowrap" headers="rh2 r16 geo2021A0011M5M  
 geo2021A0011M5Mstat1 geo2021A0011M5Mstat1gen1" title="2021A0011M5M - 25 to 29  
 years - Counts - Total"> 950</td>  
 Number of tables found: 1  
 <td class="text-right text-nowrap" headers="rh2 r16 geo2021A0011M6M  
 geo2021A0011M6Mstat1 geo2021A0011M6Mstat1gen1" title="2021A0011M6M - 25 to 29  
 years - Counts - Total"> 2,955</td>  
 Number of tables found: 1  
 <td class="text-right text-nowrap" headers="rh2 r16 geo2021A0011M9M  
 geo2021A0011M9Mstat1 geo2021A0011M9Mstat1gen1" title="2021A0011M9M - 25 to 29

years - Counts - Total"> 1,785</td>  
Number of tables found: 1  
<td class="text-right text-nowrap" headers="rh2 r16 geo2021A0011M1N  
geo2021A0011M1Nstat1 geo2021A0011M1Nstat1gen1" title="2021A0011M1N - 25 to 29  
years - Counts - Total"> 1,345</td>  
Number of tables found: 1  
<td class="text-right text-nowrap" headers="rh2 r16 geo2021A0011M2N  
geo2021A0011M2Nstat1 geo2021A0011M2Nstat1gen1" title="2021A0011M2N - 25 to 29  
years - Counts - Total"> 7,955</td>  
Number of tables found: 1  
<td class="text-right text-nowrap" headers="rh2 r16 geo2021A0011M3N  
geo2021A0011M3Nstat1 geo2021A0011M3Nstat1gen1" title="2021A0011M3N - 25 to 29  
years - Counts - Total"> 2,910</td>  
Number of tables found: 1  
<td class="text-right text-nowrap" headers="rh2 r16 geo2021A0011M4N  
geo2021A0011M4Nstat1 geo2021A0011M4Nstat1gen1" title="2021A0011M4N - 25 to 29  
years - Counts - Total"> 715</td>  
Number of tables found: 1  
<td class="text-right text-nowrap" headers="rh2 r16 geo2021A0011M5N  
geo2021A0011M5Nstat1 geo2021A0011M5Nstat1gen1" title="2021A0011M5N - 25 to 29  
years - Counts - Total"> 870</td>  
Number of tables found: 1  
<td class="text-right text-nowrap" headers="rh2 r16 geo2021A0011M6N  
geo2021A0011M6Nstat1 geo2021A0011M6Nstat1gen1" title="2021A0011M6N - 25 to 29  
years - Counts - Total"> 2,900</td>  
Number of tables found: 1  
<td class="text-right text-nowrap" headers="rh2 r16 geo2021A0011M9N  
geo2021A0011M9Nstat1 geo2021A0011M9Nstat1gen1" title="2021A0011M9N - 25 to 29  
years - Counts - Total"> 1,885</td>  
Number of tables found: 1  
<td class="text-right text-nowrap" headers="rh2 r16 geo2021A0011M1P  
geo2021A0011M1Pstat1 geo2021A0011M1Pstat1gen1" title="2021A0011M1P - 25 to 29  
years - Counts - Total"> 3,735</td>  
Number of tables found: 1  
<td class="text-right text-nowrap" headers="rh2 r16 geo2021A0011M2P  
geo2021A0011M2Pstat1 geo2021A0011M2Pstat1gen1" title="2021A0011M2P - 25 to 29  
years - Counts - Total"> 400</td>  
Number of tables found: 1  
<td class="text-right text-nowrap" headers="rh2 r16 geo2021A0011M4P  
geo2021A0011M4Pstat1 geo2021A0011M4Pstat1gen1" title="2021A0011M4P - 25 to 29  
years - Counts - Total"> 3,110</td>  
Number of tables found: 1  
<td class="text-right text-nowrap" headers="rh2 r16 geo2021A0011M5P  
geo2021A0011M5Pstat1 geo2021A0011M5Pstat1gen1" title="2021A0011M5P - 25 to 29  
years - Counts - Total"> 1,585</td>  
Number of tables found: 1  
<td class="text-right text-nowrap" headers="rh2 r16 geo2021A0011M6P  
geo2021A0011M6Pstat1 geo2021A0011M6Pstat1gen1" title="2021A0011M6P - 25 to 29



years - Counts - Total"> 3,255</td>  
Number of tables found: 1  
<td class="text-right text-nowrap" headers="rh2 r16 geo2021A0011M9P  
geo2021A0011M9Pstat1 geo2021A0011M9Pstat1gen1" title="2021A0011M9P - 25 to 29  
years - Counts - Total"> 1,130</td>  
Number of tables found: 1  
<td class="text-right text-nowrap" headers="rh2 r16 geo2021A0011M1R  
geo2021A0011M1Rstat1 geo2021A0011M1Rstat1gen1" title="2021A0011M1R - 25 to 29  
years - Counts - Total"> 2,370</td>  
Number of tables found: 1  
<td class="text-right text-nowrap" headers="rh2 r16 geo2021A0011M2R  
geo2021A0011M2Rstat1 geo2021A0011M2Rstat1gen1" title="2021A0011M2R - 25 to 29  
years - Counts - Total"> 2,800</td>  
Number of tables found: 1  
<td class="text-right text-nowrap" headers="rh2 r16 geo2021A0011M4R  
geo2021A0011M4Rstat1 geo2021A0011M4Rstat1gen1" title="2021A0011M4R - 25 to 29  
years - Counts - Total"> 825</td>  
Number of tables found: 1  
<td class="text-right text-nowrap" headers="rh2 r16 geo2021A0011M5R  
geo2021A0011M5Rstat1 geo2021A0011M5Rstat1gen1" title="2021A0011M5R - 25 to 29  
years - Counts - Total"> 2,940</td>  
Number of tables found: 1  
<td class="text-right text-nowrap" headers="rh2 r16 geo2021A0011M6R  
geo2021A0011M6Rstat1 geo2021A0011M6Rstat1gen1" title="2021A0011M6R - 25 to 29  
years - Counts - Total"> 1,390</td>  
Number of tables found: 0  
No tables found on this page.  
Number of tables found: 1  
<td class="text-right text-nowrap" headers="rh2 r16 geo2021A0011M9R  
geo2021A0011M9Rstat1 geo2021A0011M9Rstat1gen1" title="2021A0011M9R - 25 to 29  
years - Counts - Total"> 2,285</td>  
Number of tables found: 1  
<td class="text-right text-nowrap" headers="rh2 r16 geo2021A0011M1S  
geo2021A0011M1Sstat1 geo2021A0011M1Sstat1gen1" title="2021A0011M1S - 25 to 29  
years - Counts - Total"> 3,250</td>  
Number of tables found: 1  
<td class="text-right text-nowrap" headers="rh2 r16 geo2021A0011M4S  
geo2021A0011M4Sstat1 geo2021A0011M4Sstat1gen1" title="2021A0011M4S - 25 to 29  
years - Counts - Total"> 3,165</td>  
Number of tables found: 1  
<td class="text-right text-nowrap" headers="rh2 r16 geo2021A0011M5S  
geo2021A0011M5Sstat1 geo2021A0011M5Sstat1gen1" title="2021A0011M5S - 25 to 29  
years - Counts - Total"> 2,810</td>  
Number of tables found: 1  
<td class="text-right text-nowrap" headers="rh2 r16 geo2021A0011M6S  
geo2021A0011M6Sstat1 geo2021A0011M6Sstat1gen1" title="2021A0011M6S - 25 to 29  
years - Counts - Total"> 1,675</td>  
Number of tables found: 1

<td class="text-right text-nowrap" headers="rh2 r16 geo2021A0011M1T  
 geo2021A0011M1Tstat1 geo2021A0011M1Tstat1gen1" title="2021A0011M1T - 25 to 29  
 years - Counts - Total"> 2,515</td>  
 Number of tables found: 1  
 <td class="text-right text-nowrap" headers="rh2 r16 geo2021A0011M4T  
 geo2021A0011M4Tstat1 geo2021A0011M4Tstat1gen1" title="2021A0011M4T - 25 to 29  
 years - Counts - Total"> 610</td>  
 Number of tables found: 1  
 <td class="text-right text-nowrap" headers="rh2 r16 geo2021A0011M5T  
 geo2021A0011M5Tstat1 geo2021A0011M5Tstat1gen1" title="2021A0011M5T - 25 to 29  
 years - Counts - Total"> 2,710</td>  
 Number of tables found: 1  
 <td class="text-right text-nowrap" headers="rh2 r16 geo2021A0011M1V  
 geo2021A0011M1Vstat1 geo2021A0011M1Vstat1gen1" title="2021A0011M1V - 25 to 29  
 years - Counts - Total"> 3,390</td>  
 Number of tables found: 1  
 <td class="text-right text-nowrap" headers="rh2 r16 geo2021A0011M4V  
 geo2021A0011M4Vstat1 geo2021A0011M4Vstat1gen1" title="2021A0011M4V - 25 to 29  
 years - Counts - Total"> 1,580</td>  
 Number of tables found: 1  
 <td class="text-right text-nowrap" headers="rh2 r16 geo2021A0011M5V  
 geo2021A0011M5Vstat1 geo2021A0011M5Vstat1gen1" title="2021A0011M5V - 25 to 29  
 years - Counts - Total"> 14,550</td>  
 Number of tables found: 1  
 <td class="text-right text-nowrap" headers="rh2 r16 geo2021A0011M8V  
 geo2021A0011M8Vstat1 geo2021A0011M8Vstat1gen1" title="2021A0011M8V - 25 to 29  
 years - Counts - Total"> 4,250</td>  
 Number of tables found: 1  
 <td class="text-right text-nowrap" headers="rh2 r16 geo2021A0011M9V  
 geo2021A0011M9Vstat1 geo2021A0011M9Vstat1gen1" title="2021A0011M9V - 25 to 29  
 years - Counts - Total"> 4,730</td>  
 Number of tables found: 1  
 <td class="text-right text-nowrap" headers="rh2 r16 geo2021A0011M1W  
 geo2021A0011M1Wstat1 geo2021A0011M1Wstat1gen1" title="2021A0011M1W - 25 to 29  
 years - Counts - Total"> 3,140</td>  
 Number of tables found: 1  
 <td class="text-right text-nowrap" headers="rh2 r16 geo2021A0011M4W  
 geo2021A0011M4Wstat1 geo2021A0011M4Wstat1gen1" title="2021A0011M4W - 25 to 29  
 years - Counts - Total"> 1,385</td>  
 Number of tables found: 0  
 No tables found on this page.  
 Number of tables found: 1  
 <td class="text-right text-nowrap" headers="rh2 r16 geo2021A0011M8W  
 geo2021A0011M8Wstat1 geo2021A0011M8Wstat1gen1" title="2021A0011M8W - 25 to 29  
 years - Counts - Total"> 1,490</td>  
 Number of tables found: 1  
 <td class="text-right text-nowrap" headers="rh2 r16 geo2021A0011M9W  
 geo2021A0011M9Wstat1 geo2021A0011M9Wstat1gen1" title="2021A0011M9W - 25 to 29

```

years - Counts - Total"> 3,760</td>
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh2 r16 geo2021A0011M1X
geo2021A0011M1Xstat1 geo2021A0011M1Xstat1gen1" title="2021A0011M1X - 25 to 29
years - Counts - Total"> 1,200</td>
Number of tables found: 1
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geo2021A0011M4Xstat1 geo2021A0011M4Xstat1gen1" title="2021A0011M4X - 25 to 29
years - Counts - Total"> 1,795</td>
Number of tables found: 0
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Number of tables found: 1
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geo2021A0011M8Xstat1 geo2021A0011M8Xstat1gen1" title="2021A0011M8X - 25 to 29
years - Counts - Total"> 425</td>
Number of tables found: 0
No tables found on this page.
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh2 r16 geo2021A0011M8Y
geo2021A0011M8Ystat1 geo2021A0011M8Ystat1gen1" title="2021A0011M8Y - 25 to 29
years - Counts - Total"> 1,545</td>
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh2 r16 geo2021A0011M8Z
geo2021A0011M8Zstat1 geo2021A0011M8Zstat1gen1" title="2021A0011M8Z - 25 to 29
years - Counts - Total"> 1,455</td>

```

```
[12]: df
```

```

[12]:   postal_code      data  value
0      M3A  2021A0011M3A - 25 to 29 years - Counts - Total  2525.0
1      M4A  2021A0011M4A - 25 to 29 years - Counts - Total   920.0
2      M5A  2021A0011M5A - 25 to 29 years - Counts - Total  6310.0
3      M6A  2021A0011M6A - 25 to 29 years - Counts - Total  1765.0
4      M7A  2021A0011M7A - 25 to 29 years - Counts - Total    NaN
..      ...
69     M1X  2021A0011M1X - 25 to 29 years - Counts - Total  1200.0
70     M4X  2021A0011M4X - 25 to 29 years - Counts - Total  1795.0
71     M8X  2021A0011M8X - 25 to 29 years - Counts - Total   425.0
72     M8Y  2021A0011M8Y - 25 to 29 years - Counts - Total  1545.0
73     M8Z  2021A0011M8Z - 25 to 29 years - Counts - Total  1455.0

```

```
[74 rows x 3 columns]
```

```

[14]: # Now you can export this to a CSV file for further analysis or visulization
df.to_csv('25to29.csv')

```

```
[ ]:
```