

Simple BeautifulSoup examplenew-Copy1

November 24, 2024

1 Simple Webscraping Example with Beautiful Soup

```
[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 0x7f72d5e27910>
```

```
[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 - Single-detached house -  
↪Counts - Total"})
```

```
[6]: td
```

```
[6]: <td class="text-right text-nowrap" headers="rh3 r42 geo2021A0011M1C  
geo2021A0011M1Cstat1 geo2021A0011M1Cstat1gen1" title="2021A0011M1C - Single-  
detached house - Counts - Total"> 8,960</td>
```

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

```
[7]: 8960.0
```

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'])
```

```
[18]: # 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} - Single-detached house - 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="rh3 r42 geo2021A0011M3A  
geo2021A0011M3Astat1 geo2021A0011M3Astat1gen1" title="2021A0011M3A - Single-  
detached house - Counts - Total"> 2,530</td>
```

Number of tables found: 1

```
<td class="text-right text-nowrap" headers="rh3 r42 geo2021A0011M4A  
geo2021A0011M4Astat1 geo2021A0011M4Astat1gen1" title="2021A0011M4A - Single-  
detached house - Counts - Total"> 1,235</td>
```

Number of tables found: 1

```
<td class="text-right text-nowrap" headers="rh3 r42 geo2021A0011M5A  
geo2021A0011M5Astat1 geo2021A0011M5Astat1gen1" title="2021A0011M5A - Single-  
detached house - Counts - Total"> 125</td>
```

Number of tables found: 1

```
<td class="text-right text-nowrap" headers="rh3 r42 geo2021A0011M6A  
geo2021A0011M6Astat1 geo2021A0011M6Astat1gen1" title="2021A0011M6A - Single-  
detached house - Counts - Total"> 1,485</td>
```

Number of tables found: 1

```
<td class="text-right text-nowrap" headers="rh3 r42 geo2021A0011M7A  
geo2021A0011M7Astat1 geo2021A0011M7Astat1gen1" title="2021A0011M7A - Single-  
detached house - 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="rh3 r42 geo2021A0011M5E  
geo2021A0011M5Estat1 geo2021A0011M5Estat1gen1" title="2021A0011M5E - Single-  
detached house - Counts - Total"> 10</td>
```

Number of tables found: 1

```
<td class="text-right text-nowrap" headers="rh3 r42 geo2021A0011M4E  
geo2021A0011M4Estat1 geo2021A0011M4Estat1gen1" title="2021A0011M4E - Single-  
detached house - Counts - Total"> 3,045</td>
```

Number of tables found: 1

```
<td class="text-right text-nowrap" headers="rh3 r42 geo2021A0011M6E  
geo2021A0011M6Estat1 geo2021A0011M6Estat1gen1" title="2021A0011M6E - Single-  
detached house - Counts - Total"> 5,145</td>
```

Number of tables found: 1

```
<td class="text-right text-nowrap" headers="rh3 r42 geo2021A0011M5G  
geo2021A0011M5Gstat1 geo2021A0011M5Gstat1gen1" title="2021A0011M5G - Single-  
detached house - Counts - Total"> 5</td>
```

Number of tables found: 1

```
<td class="text-right text-nowrap" headers="rh3 r42 geo2021A0011M6G  
geo2021A0011M6Gstat1 geo2021A0011M6Gstat1gen1" title="2021A0011M6G - Single-  
detached house - Counts - Total"> 1,665</td>
```

Number of tables found: 1

```
<td class="text-right text-nowrap" headers="rh3 r42 geo2021A0011M2H  
geo2021A0011M2Hstat1 geo2021A0011M2Hstat1gen1" title="2021A0011M2H - Single-
```

detached house - Counts - Total"> 2,085</td>

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh3 r42 geo2021A0011M3H
geo2021A0011M3Hstat1 geo2021A0011M3Hstat1gen1" title="2021A0011M3H - Single-
detached house - Counts - Total"> 5,290</td>

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh3 r42 geo2021A0011M4H
geo2021A0011M4Hstat1 geo2021A0011M4Hstat1gen1" title="2021A0011M4H - Single-
detached house - Counts - Total"> 0</td>

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh3 r42 geo2021A0011M5H
geo2021A0011M5Hstat1 geo2021A0011M5Hstat1gen1" title="2021A0011M5H - Single-
detached house - Counts - Total"> 0</td>

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh3 r42 geo2021A0011M6H
geo2021A0011M6Hstat1 geo2021A0011M6Hstat1gen1" title="2021A0011M6H - Single-
detached house - Counts - Total"> 2,135</td>

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh3 r42 geo2021A0011M1J
geo2021A0011M1Jstat1 geo2021A0011M1Jstat1gen1" title="2021A0011M1J - Single-
detached house - Counts - Total"> 2,920</td>

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh3 r42 geo2021A0011M2J
geo2021A0011M2Jstat1 geo2021A0011M2Jstat1gen1" title="2021A0011M2J - Single-
detached house - Counts - Total"> 3,940</td>

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh3 r42 geo2021A0011M3J
geo2021A0011M3Jstat1 geo2021A0011M3Jstat1gen1" title="2021A0011M3J - Single-
detached house - Counts - Total"> 1,285</td>

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh3 r42 geo2021A0011M4J
geo2021A0011M4Jstat1 geo2021A0011M4Jstat1gen1" title="2021A0011M4J - Single-
detached house - Counts - Total"> 4,240</td>

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh3 r42 geo2021A0011M5J
geo2021A0011M5Jstat1 geo2021A0011M5Jstat1gen1" title="2021A0011M5J - Single-
detached house - Counts - Total"> 240</td>

Number of tables found: 0

No tables found on this page.

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh3 r42 geo2021A0011M6K
geo2021A0011M6Kstat1 geo2021A0011M6Kstat1gen1" title="2021A0011M6K - Single-
detached house - Counts - Total"> 380</td>

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh3 r42 geo2021A0011M1L
geo2021A0011M1Lstat1 geo2021A0011M1Lstat1gen1" title="2021A0011M1L - Single-
detached house - Counts - Total"> 3,430</td>

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh3 r42 geo2021A0011M2L
 geo2021A0011M2Lstat1 geo2021A0011M2Lstat1gen1" title="2021A0011M2L - Single-
 detached house - Counts - Total"> 2,315</td>
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh3 r42 geo2021A0011M3L
 geo2021A0011M3Lstat1 geo2021A0011M3Lstat1gen1" title="2021A0011M3L - Single-
 detached house - Counts - Total"> 600</td>
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh3 r42 geo2021A0011M4L
 geo2021A0011M4Lstat1 geo2021A0011M4Lstat1gen1" title="2021A0011M4L - Single-
 detached house - Counts - Total"> 2,550</td>
 Number of tables found: 0
 No tables found on this page.
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh3 r42 geo2021A0011M6L
 geo2021A0011M6Lstat1 geo2021A0011M6Lstat1gen1" title="2021A0011M6L - Single-
 detached house - Counts - Total"> 2,760</td>
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh3 r42 geo2021A0011M9L
 geo2021A0011M9Lstat1 geo2021A0011M9Lstat1gen1" title="2021A0011M9L - Single-
 detached house - Counts - Total"> 530</td>
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh3 r42 geo2021A0011M1M
 geo2021A0011M1Mstat1 geo2021A0011M1Mstat1gen1" title="2021A0011M1M - Single-
 detached house - Counts - Total"> 4,330</td>
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh3 r42 geo2021A0011M2M
 geo2021A0011M2Mstat1 geo2021A0011M2Mstat1gen1" title="2021A0011M2M - Single-
 detached house - Counts - Total"> 4,495</td>
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh3 r42 geo2021A0011M3M
 geo2021A0011M3Mstat1 geo2021A0011M3Mstat1gen1" title="2021A0011M3M - Single-
 detached house - Counts - Total"> 2,580</td>
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh3 r42 geo2021A0011M4M
 geo2021A0011M4Mstat1 geo2021A0011M4Mstat1gen1" title="2021A0011M4M - Single-
 detached house - Counts - Total"> 725</td>
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh3 r42 geo2021A0011M5M
 geo2021A0011M5Mstat1 geo2021A0011M5Mstat1gen1" title="2021A0011M5M - Single-
 detached house - Counts - Total"> 6,015</td>
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh3 r42 geo2021A0011M6M
 geo2021A0011M6Mstat1 geo2021A0011M6Mstat1gen1" title="2021A0011M6M - Single-
 detached house - Counts - Total"> 4,530</td>
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh3 r42 geo2021A0011M9M
 geo2021A0011M9Mstat1 geo2021A0011M9Mstat1gen1" title="2021A0011M9M - Single-

detached house - Counts - Total"> 1,470</td>

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh3 r42 geo2021A0011M1N
geo2021A0011M1Nstat1 geo2021A0011M1Nstat1gen1" title="2021A0011M1N - Single-
detached house - Counts - Total"> 4,895</td>

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh3 r42 geo2021A0011M2N
geo2021A0011M2Nstat1 geo2021A0011M2Nstat1gen1" title="2021A0011M2N - Single-
detached house - Counts - Total"> 5,965</td>

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh3 r42 geo2021A0011M3N
geo2021A0011M3Nstat1 geo2021A0011M3Nstat1gen1" title="2021A0011M3N - Single-
detached house - Counts - Total"> 995</td>

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh3 r42 geo2021A0011M4N
geo2021A0011M4Nstat1 geo2021A0011M4Nstat1gen1" title="2021A0011M4N - Single-
detached house - Counts - Total"> 3,000</td>

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh3 r42 geo2021A0011M5N
geo2021A0011M5Nstat1 geo2021A0011M5Nstat1gen1" title="2021A0011M5N - Single-
detached house - Counts - Total"> 2,800</td>

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh3 r42 geo2021A0011M6N
geo2021A0011M6Nstat1 geo2021A0011M6Nstat1gen1" title="2021A0011M6N - Single-
detached house - Counts - Total"> 3,895</td>

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh3 r42 geo2021A0011M9N
geo2021A0011M9Nstat1 geo2021A0011M9Nstat1gen1" title="2021A0011M9N - Single-
detached house - Counts - Total"> 2,695</td>

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh3 r42 geo2021A0011M1P
geo2021A0011M1Pstat1 geo2021A0011M1Pstat1gen1" title="2021A0011M1P - Single-
detached house - Counts - Total"> 4,045</td>

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh3 r42 geo2021A0011M2P
geo2021A0011M2Pstat1 geo2021A0011M2Pstat1gen1" title="2021A0011M2P - Single-
detached house - Counts - Total"> 1,670</td>

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh3 r42 geo2021A0011M4P
geo2021A0011M4Pstat1 geo2021A0011M4Pstat1gen1" title="2021A0011M4P - Single-
detached house - Counts - Total"> 925</td>

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh3 r42 geo2021A0011M5P
geo2021A0011M5Pstat1 geo2021A0011M5Pstat1gen1" title="2021A0011M5P - Single-
detached house - Counts - Total"> 2,385</td>

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh3 r42 geo2021A0011M6P
geo2021A0011M6Pstat1 geo2021A0011M6Pstat1gen1" title="2021A0011M6P - Single-

detached house - Counts - Total"> 2,110</td>

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh3 r42 geo2021A0011M9P
geo2021A0011M9Pstat1 geo2021A0011M9Pstat1gen1" title="2021A0011M9P - Single-
detached house - Counts - Total"> 3,570</td>

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh3 r42 geo2021A0011M1R
geo2021A0011M1Rstat1 geo2021A0011M1Rstat1gen1" title="2021A0011M1R - Single-
detached house - Counts - Total"> 5,275</td>

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh3 r42 geo2021A0011M2R
geo2021A0011M2Rstat1 geo2021A0011M2Rstat1gen1" title="2021A0011M2R - Single-
detached house - Counts - Total"> 3,265</td>

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh3 r42 geo2021A0011M4R
geo2021A0011M4Rstat1 geo2021A0011M4Rstat1gen1" title="2021A0011M4R - Single-
detached house - Counts - Total"> 1,785</td>

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh3 r42 geo2021A0011M5R
geo2021A0011M5Rstat1 geo2021A0011M5Rstat1gen1" title="2021A0011M5R - Single-
detached house - Counts - Total"> 730</td>

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh3 r42 geo2021A0011M6R
geo2021A0011M6Rstat1 geo2021A0011M6Rstat1gen1" title="2021A0011M6R - Single-
detached house - Counts - Total"> 1,370</td>

Number of tables found: 0

No tables found on this page.

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh3 r42 geo2021A0011M9R
geo2021A0011M9Rstat1 geo2021A0011M9Rstat1gen1" title="2021A0011M9R - Single-
detached house - Counts - Total"> 3,935</td>

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh3 r42 geo2021A0011M1S
geo2021A0011M1Sstat1 geo2021A0011M1Sstat1gen1" title="2021A0011M1S - Single-
detached house - Counts - Total"> 4,615</td>

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh3 r42 geo2021A0011M4S
geo2021A0011M4Sstat1 geo2021A0011M4Sstat1gen1" title="2021A0011M4S - Single-
detached house - Counts - Total"> 1,835</td>

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh3 r42 geo2021A0011M5S
geo2021A0011M5Sstat1 geo2021A0011M5Sstat1gen1" title="2021A0011M5S - Single-
detached house - Counts - Total"> 120</td>

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh3 r42 geo2021A0011M6S
geo2021A0011M6Sstat1 geo2021A0011M6Sstat1gen1" title="2021A0011M6S - Single-
detached house - Counts - Total"> 5,250</td>

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh3 r42 geo2021A0011M1T
 geo2021A0011M1Tstat1 geo2021A0011M1Tstat1gen1" title="2021A0011M1T - Single-
 detached house - Counts - Total"> 3,535</td>
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh3 r42 geo2021A0011M4T
 geo2021A0011M4Tstat1 geo2021A0011M4Tstat1gen1" title="2021A0011M4T - Single-
 detached house - Counts - Total"> 1,160</td>
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh3 r42 geo2021A0011M5T
 geo2021A0011M5Tstat1 geo2021A0011M5Tstat1gen1" title="2021A0011M5T - Single-
 detached house - Counts - Total"> 80</td>
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh3 r42 geo2021A0011M1V
 geo2021A0011M1Vstat1 geo2021A0011M1Vstat1gen1" title="2021A0011M1V - Single-
 detached house - Counts - Total"> 7,090</td>
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh3 r42 geo2021A0011M4V
 geo2021A0011M4Vstat1 geo2021A0011M4Vstat1gen1" title="2021A0011M4V - Single-
 detached house - Counts - Total"> 1,160</td>
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh3 r42 geo2021A0011M5V
 geo2021A0011M5Vstat1 geo2021A0011M5Vstat1gen1" title="2021A0011M5V - Single-
 detached house - Counts - Total"> 20</td>
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh3 r42 geo2021A0011M8V
 geo2021A0011M8Vstat1 geo2021A0011M8Vstat1gen1" title="2021A0011M8V - Single-
 detached house - Counts - Total"> 3,370</td>
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh3 r42 geo2021A0011M9V
 geo2021A0011M9Vstat1 geo2021A0011M9Vstat1gen1" title="2021A0011M9V - Single-
 detached house - Counts - Total"> 4,630</td>
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh3 r42 geo2021A0011M1W
 geo2021A0011M1Wstat1 geo2021A0011M1Wstat1gen1" title="2021A0011M1W - Single-
 detached house - Counts - Total"> 5,160</td>
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh3 r42 geo2021A0011M4W
 geo2021A0011M4Wstat1 geo2021A0011M4Wstat1gen1" title="2021A0011M4W - Single-
 detached house - Counts - Total"> 1,465</td>
 Number of tables found: 0
 No tables found on this page.
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh3 r42 geo2021A0011M8W
 geo2021A0011M8Wstat1 geo2021A0011M8Wstat1gen1" title="2021A0011M8W - Single-
 detached house - Counts - Total"> 4,165</td>
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh3 r42 geo2021A0011M9W
 geo2021A0011M9Wstat1 geo2021A0011M9Wstat1gen1" title="2021A0011M9W - Single-

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detached house - Counts - Total"> 5,295</td>
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh3 r42 geo2021A0011M1X
geo2021A0011M1Xstat1 geo2021A0011M1Xstat1gen1" title="2021A0011M1X - Single-
detached house - Counts - Total"> 2,635</td>
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh3 r42 geo2021A0011M4X
geo2021A0011M4Xstat1 geo2021A0011M4Xstat1gen1" title="2021A0011M4X - Single-
detached house - Counts - Total"> 85</td>
Number of tables found: 0
No tables found on this page.
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh3 r42 geo2021A0011M8X
geo2021A0011M8Xstat1 geo2021A0011M8Xstat1gen1" title="2021A0011M8X - Single-
detached house - Counts - Total"> 2,105</td>
Number of tables found: 0
No tables found on this page.
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh3 r42 geo2021A0011M8Y
geo2021A0011M8Ystat1 geo2021A0011M8Ystat1gen1" title="2021A0011M8Y - Single-
detached house - Counts - Total"> 3,355</td>
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh3 r42 geo2021A0011M8Z
geo2021A0011M8Zstat1 geo2021A0011M8Zstat1gen1" title="2021A0011M8Z - Single-
detached house - Counts - Total"> 4,125</td>

```

```
[19]: df
```

```

[19]:      postal_code      data      value
0      M3A  2021A0011M3A - Population, 2021 - Counts - Total  34361.0
1      M4A  2021A0011M4A - Population, 2021 - Counts - Total  14589.0
2      M5A  2021A0011M5A - Population, 2021 - Counts - Total  48978.0
3      M6A  2021A0011M6A - Population, 2021 - Counts - Total  22380.0
4      M3A  2021A0011M3A - Single-detached house - Counts ...  2530.0
..      ...      ...      ...
123     M1X  2021A0011M1X - Single-detached house - Counts ...  2635.0
124     M4X  2021A0011M4X - Single-detached house - Counts ...    85.0
125     M8X  2021A0011M8X - Single-detached house - Counts ...  2105.0
126     M8Y  2021A0011M8Y - Single-detached house - Counts ...  3355.0
127     M8Z  2021A0011M8Z - Single-detached house - Counts ...  4125.0

```

```
[128 rows x 3 columns]
```

```

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

```

```
[ ]:
```