

income

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 0x7f280c077250>
```

```
[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 - Median total income in 2020_↵
↵among recipients ($) - Rates - Total"})
```

```
[6]: td
```

```
[6]: <td class="text-right text-nowrap" headers="rh7 r113 geo2021A0011M1C
geo2021A0011M1Cstat4 geo2021A0011M1Cstat4gen1" title="2021A0011M1C - Median
total income in 2020 among recipients ($) - Rates - Total"> 44,000</td>
```

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

```
[7]: 44000.0
```

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} - Median total income in 2020 among recipients ($)↳
↳ Rates - 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="rh7 r113 geo2021A0011M3A
geo2021A0011M3Astat4 geo2021A0011M3Astat4gen1" title="2021A0011M3A - Median
total income in 2020 among recipients ($) - Rates - Total"> 37,600</td>
```

Number of tables found: 1

```
<td class="text-right text-nowrap" headers="rh7 r113 geo2021A0011M4A
geo2021A0011M4Astat4 geo2021A0011M4Astat4gen1" title="2021A0011M4A - Median
total income in 2020 among recipients ($) - Rates - Total"> 34,800</td>
```

Number of tables found: 1

```
<td class="text-right text-nowrap" headers="rh7 r113 geo2021A0011M5A
geo2021A0011M5Astat4 geo2021A0011M5Astat4gen1" title="2021A0011M5A - Median
total income in 2020 among recipients ($) - Rates - Total"> 43,200</td>
```

Number of tables found: 1

```
<td class="text-right text-nowrap" headers="rh7 r113 geo2021A0011M6A
geo2021A0011M6Astat4 geo2021A0011M6Astat4gen1" title="2021A0011M6A - Median
total income in 2020 among recipients ($) - Rates - Total"> 36,000</td>
```

Number of tables found: 1

```
<td class="text-right text-nowrap" headers="rh7 r113 geo2021A0011M7A
geo2021A0011M7Astat4 geo2021A0011M7Astat4gen1" title="2021A0011M7A - Median
total income in 2020 among recipients ($) - Rates - 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="rh7 r113 geo2021A0011M5E
geo2021A0011M5Estat4 geo2021A0011M5Estat4gen1" title="2021A0011M5E - Median
total income in 2020 among recipients ($) - Rates - Total"> 67,000</td>
```

Number of tables found: 1

```
<td class="text-right text-nowrap" headers="rh7 r113 geo2021A0011M4E
geo2021A0011M4Estat4 geo2021A0011M4Estat4gen1" title="2021A0011M4E - Median
total income in 2020 among recipients ($) - Rates - Total"> 56,800</td>
```

Number of tables found: 1

```
<td class="text-right text-nowrap" headers="rh7 r113 geo2021A0011M6E
geo2021A0011M6Estat4 geo2021A0011M6Estat4gen1" title="2021A0011M6E - Median
total income in 2020 among recipients ($) - Rates - Total"> 36,800</td>
```

Number of tables found: 1

```
<td class="text-right text-nowrap" headers="rh7 r113 geo2021A0011M5G
geo2021A0011M5Gstat4 geo2021A0011M5Gstat4gen1" title="2021A0011M5G - Median
total income in 2020 among recipients ($) - Rates - Total"> 43,600</td>
```

Number of tables found: 1

```
<td class="text-right text-nowrap" headers="rh7 r113 geo2021A0011M6G
geo2021A0011M6Gstat4 geo2021A0011M6Gstat4gen1" title="2021A0011M6G - Median
total income in 2020 among recipients ($) - Rates - Total"> 43,600</td>
```

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh7 r113 geo2021A0011M2H
 geo2021A0011M2Hstat4 geo2021A0011M2Hstat4gen1" title="2021A0011M2H - Median
 total income in 2020 among recipients (\$) - Rates - Total"> 34,400</td>
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh7 r113 geo2021A0011M3H
 geo2021A0011M3Hstat4 geo2021A0011M3Hstat4gen1" title="2021A0011M3H - Median
 total income in 2020 among recipients (\$) - Rates - Total"> 40,400</td>
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh7 r113 geo2021A0011M4H
 geo2021A0011M4Hstat4 geo2021A0011M4Hstat4gen1" title="2021A0011M4H - Median
 total income in 2020 among recipients (\$) - Rates - Total"> 28,000</td>
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh7 r113 geo2021A0011M5H
 geo2021A0011M5Hstat4 geo2021A0011M5Hstat4gen1" title="2021A0011M5H - Median
 total income in 2020 among recipients (\$) - Rates - Total"> 60,000</td>
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh7 r113 geo2021A0011M6H
 geo2021A0011M6Hstat4 geo2021A0011M6Hstat4gen1" title="2021A0011M6H - Median
 total income in 2020 among recipients (\$) - Rates - Total"> 40,400</td>
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh7 r113 geo2021A0011M1J
 geo2021A0011M1Jstat4 geo2021A0011M1Jstat4gen1" title="2021A0011M1J - Median
 total income in 2020 among recipients (\$) - Rates - Total"> 33,200</td>
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh7 r113 geo2021A0011M2J
 geo2021A0011M2Jstat4 geo2021A0011M2Jstat4gen1" title="2021A0011M2J - Median
 total income in 2020 among recipients (\$) - Rates - Total"> 36,000</td>
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh7 r113 geo2021A0011M3J
 geo2021A0011M3Jstat4 geo2021A0011M3Jstat4gen1" title="2021A0011M3J - Median
 total income in 2020 among recipients (\$) - Rates - Total"> 32,800</td>
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh7 r113 geo2021A0011M4J
 geo2021A0011M4Jstat4 geo2021A0011M4Jstat4gen1" title="2021A0011M4J - Median
 total income in 2020 among recipients (\$) - Rates - Total"> 43,200</td>
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh7 r113 geo2021A0011M5J
 geo2021A0011M5Jstat4 geo2021A0011M5Jstat4gen1" title="2021A0011M5J - Median
 total income in 2020 among recipients (\$) - Rates - Total"> 62,800</td>
 Number of tables found: 0
 No tables found on this page.
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh7 r113 geo2021A0011M6K
 geo2021A0011M6Kstat4 geo2021A0011M6Kstat4gen1" title="2021A0011M6K - Median
 total income in 2020 among recipients (\$) - Rates - Total"> 42,800</td>
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh7 r113 geo2021A0011M1L
 geo2021A0011M1Lstat4 geo2021A0011M1Lstat4gen1" title="2021A0011M1L - Median

total income in 2020 among recipients (\$) - Rates - Total"> 34,000</td>
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r113 geo2021A0011M2L
geo2021A0011M2Lstat4 geo2021A0011M2Lstat4gen1" title="2021A0011M2L - Median
total income in 2020 among recipients (\$) - Rates - Total"> 47,200</td>
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r113 geo2021A0011M3L
geo2021A0011M3Lstat4 geo2021A0011M3Lstat4gen1" title="2021A0011M3L - Median
total income in 2020 among recipients (\$) - Rates - Total"> 32,400</td>
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r113 geo2021A0011M4L
geo2021A0011M4Lstat4 geo2021A0011M4Lstat4gen1" title="2021A0011M4L - Median
total income in 2020 among recipients (\$) - Rates - Total"> 51,600</td>
Number of tables found: 0
No tables found on this page.
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r113 geo2021A0011M6L
geo2021A0011M6Lstat4 geo2021A0011M6Lstat4gen1" title="2021A0011M6L - Median
total income in 2020 among recipients (\$) - Rates - Total"> 34,000</td>
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r113 geo2021A0011M9L
geo2021A0011M9Lstat4 geo2021A0011M9Lstat4gen1" title="2021A0011M9L - Median
total income in 2020 among recipients (\$) - Rates - Total"> 31,200</td>
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r113 geo2021A0011M1M
geo2021A0011M1Mstat4 geo2021A0011M1Mstat4gen1" title="2021A0011M1M - Median
total income in 2020 among recipients (\$) - Rates - Total"> 37,200</td>
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r113 geo2021A0011M2M
geo2021A0011M2Mstat4 geo2021A0011M2Mstat4gen1" title="2021A0011M2M - Median
total income in 2020 among recipients (\$) - Rates - Total"> 34,000</td>
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r113 geo2021A0011M3M
geo2021A0011M3Mstat4 geo2021A0011M3Mstat4gen1" title="2021A0011M3M - Median
total income in 2020 among recipients (\$) - Rates - Total"> 35,200</td>
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r113 geo2021A0011M4M
geo2021A0011M4Mstat4 geo2021A0011M4Mstat4gen1" title="2021A0011M4M - Median
total income in 2020 among recipients (\$) - Rates - Total"> 49,200</td>
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r113 geo2021A0011M5M
geo2021A0011M5Mstat4 geo2021A0011M5Mstat4gen1" title="2021A0011M5M - Median
total income in 2020 among recipients (\$) - Rates - Total"> 62,000</td>
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r113 geo2021A0011M6M
geo2021A0011M6Mstat4 geo2021A0011M6Mstat4gen1" title="2021A0011M6M - Median
total income in 2020 among recipients (\$) - Rates - Total"> 34,000</td>
Number of tables found: 1

<td class="text-right text-nowrap" headers="rh7 r113 geo2021A0011M9M
 geo2021A0011M9Mstat4 geo2021A0011M9Mstat4gen1" title="2021A0011M9M - Median
 total income in 2020 among recipients (\$) - Rates - Total"> 34,000</td>
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh7 r113 geo2021A0011M1N
 geo2021A0011M1Nstat4 geo2021A0011M1Nstat4gen1" title="2021A0011M1N - Median
 total income in 2020 among recipients (\$) - Rates - Total"> 44,000</td>
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh7 r113 geo2021A0011M2N
 geo2021A0011M2Nstat4 geo2021A0011M2Nstat4gen1" title="2021A0011M2N - Median
 total income in 2020 among recipients (\$) - Rates - Total"> 40,000</td>
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh7 r113 geo2021A0011M3N
 geo2021A0011M3Nstat4 geo2021A0011M3Nstat4gen1" title="2021A0011M3N - Median
 total income in 2020 among recipients (\$) - Rates - Total"> 29,800</td>
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh7 r113 geo2021A0011M4N
 geo2021A0011M4Nstat4 geo2021A0011M4Nstat4gen1" title="2021A0011M4N - Median
 total income in 2020 among recipients (\$) - Rates - Total"> 65,000</td>
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh7 r113 geo2021A0011M5N
 geo2021A0011M5Nstat4 geo2021A0011M5Nstat4gen1" title="2021A0011M5N - Median
 total income in 2020 among recipients (\$) - Rates - Total"> 50,400</td>
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh7 r113 geo2021A0011M6N
 geo2021A0011M6Nstat4 geo2021A0011M6Nstat4gen1" title="2021A0011M6N - Median
 total income in 2020 among recipients (\$) - Rates - Total"> 34,800</td>
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh7 r113 geo2021A0011M9N
 geo2021A0011M9Nstat4 geo2021A0011M9Nstat4gen1" title="2021A0011M9N - Median
 total income in 2020 among recipients (\$) - Rates - Total"> 35,600</td>
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh7 r113 geo2021A0011M1P
 geo2021A0011M1Pstat4 geo2021A0011M1Pstat4gen1" title="2021A0011M1P - Median
 total income in 2020 among recipients (\$) - Rates - Total"> 33,200</td>
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh7 r113 geo2021A0011M2P
 geo2021A0011M2Pstat4 geo2021A0011M2Pstat4gen1" title="2021A0011M2P - Median
 total income in 2020 among recipients (\$) - Rates - Total"> 51,200</td>
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh7 r113 geo2021A0011M4P
 geo2021A0011M4Pstat4 geo2021A0011M4Pstat4gen1" title="2021A0011M4P - Median
 total income in 2020 among recipients (\$) - Rates - Total"> 47,600</td>
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh7 r113 geo2021A0011M5P
 geo2021A0011M5Pstat4 geo2021A0011M5Pstat4gen1" title="2021A0011M5P - Median
 total income in 2020 among recipients (\$) - Rates - Total"> 56,800</td>
 Number of tables found: 1

<td class="text-right text-nowrap" headers="rh7 r113 geo2021A0011M6P
 geo2021A0011M6Pstat4 geo2021A0011M6Pstat4gen1" title="2021A0011M6P - Median
 total income in 2020 among recipients (\$) - Rates - Total"> 48,000</td>
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh7 r113 geo2021A0011M9P
 geo2021A0011M9Pstat4 geo2021A0011M9Pstat4gen1" title="2021A0011M9P - Median
 total income in 2020 among recipients (\$) - Rates - Total"> 41,200</td>
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh7 r113 geo2021A0011M1R
 geo2021A0011M1Rstat4 geo2021A0011M1Rstat4gen1" title="2021A0011M1R - Median
 total income in 2020 among recipients (\$) - Rates - Total"> 34,400</td>
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh7 r113 geo2021A0011M2R
 geo2021A0011M2Rstat4 geo2021A0011M2Rstat4gen1" title="2021A0011M2R - Median
 total income in 2020 among recipients (\$) - Rates - Total"> 33,600</td>
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh7 r113 geo2021A0011M4R
 geo2021A0011M4Rstat4 geo2021A0011M4Rstat4gen1" title="2021A0011M4R - Median
 total income in 2020 among recipients (\$) - Rates - Total"> 58,400</td>
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh7 r113 geo2021A0011M5R
 geo2021A0011M5Rstat4 geo2021A0011M5Rstat4gen1" title="2021A0011M5R - Median
 total income in 2020 among recipients (\$) - Rates - Total"> 54,000</td>
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh7 r113 geo2021A0011M6R
 geo2021A0011M6Rstat4 geo2021A0011M6Rstat4gen1" title="2021A0011M6R - Median
 total income in 2020 among recipients (\$) - Rates - Total"> 53,200</td>
 Number of tables found: 0
 No tables found on this page.
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh7 r113 geo2021A0011M9R
 geo2021A0011M9Rstat4 geo2021A0011M9Rstat4gen1" title="2021A0011M9R - Median
 total income in 2020 among recipients (\$) - Rates - Total"> 36,000</td>
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh7 r113 geo2021A0011M1S
 geo2021A0011M1Sstat4 geo2021A0011M1Sstat4gen1" title="2021A0011M1S - Median
 total income in 2020 among recipients (\$) - Rates - Total"> 31,400</td>
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh7 r113 geo2021A0011M4S
 geo2021A0011M4Sstat4 geo2021A0011M4Sstat4gen1" title="2021A0011M4S - Median
 total income in 2020 among recipients (\$) - Rates - Total"> 54,800</td>
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh7 r113 geo2021A0011M5S
 geo2021A0011M5Sstat4 geo2021A0011M5Sstat4gen1" title="2021A0011M5S - Median
 total income in 2020 among recipients (\$) - Rates - Total"> 42,000</td>
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh7 r113 geo2021A0011M6S
 geo2021A0011M6Sstat4 geo2021A0011M6Sstat4gen1" title="2021A0011M6S - Median

total income in 2020 among recipients (\$) - Rates - Total"> 56,800</td>
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r113 geo2021A0011M1T
geo2021A0011M1Tstat4 geo2021A0011M1Tstat4gen1" title="2021A0011M1T - Median
total income in 2020 among recipients (\$) - Rates - Total"> 31,600</td>
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r113 geo2021A0011M4T
geo2021A0011M4Tstat4 geo2021A0011M4Tstat4gen1" title="2021A0011M4T - Median
total income in 2020 among recipients (\$) - Rates - Total"> 67,500</td>
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r113 geo2021A0011M5T
geo2021A0011M5Tstat4 geo2021A0011M5Tstat4gen1" title="2021A0011M5T - Median
total income in 2020 among recipients (\$) - Rates - Total"> 31,600</td>
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r113 geo2021A0011M1V
geo2021A0011M1Vstat4 geo2021A0011M1Vstat4gen1" title="2021A0011M1V - Median
total income in 2020 among recipients (\$) - Rates - Total"> 28,800</td>
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r113 geo2021A0011M4V
geo2021A0011M4Vstat4 geo2021A0011M4Vstat4gen1" title="2021A0011M4V - Median
total income in 2020 among recipients (\$) - Rates - Total"> 62,400</td>
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r113 geo2021A0011M5V
geo2021A0011M5Vstat4 geo2021A0011M5Vstat4gen1" title="2021A0011M5V - Median
total income in 2020 among recipients (\$) - Rates - Total"> 63,200</td>
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r113 geo2021A0011M8V
geo2021A0011M8Vstat4 geo2021A0011M8Vstat4gen1" title="2021A0011M8V - Median
total income in 2020 among recipients (\$) - Rates - Total"> 45,600</td>
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r113 geo2021A0011M9V
geo2021A0011M9Vstat4 geo2021A0011M9Vstat4gen1" title="2021A0011M9V - Median
total income in 2020 among recipients (\$) - Rates - Total"> 31,000</td>
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r113 geo2021A0011M1W
geo2021A0011M1Wstat4 geo2021A0011M1Wstat4gen1" title="2021A0011M1W - Median
total income in 2020 among recipients (\$) - Rates - Total"> 31,400</td>
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r113 geo2021A0011M4W
geo2021A0011M4Wstat4 geo2021A0011M4Wstat4gen1" title="2021A0011M4W - Median
total income in 2020 among recipients (\$) - Rates - Total"> 62,400</td>
Number of tables found: 0
No tables found on this page.
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r113 geo2021A0011M8W
geo2021A0011M8Wstat4 geo2021A0011M8Wstat4gen1" title="2021A0011M8W - Median
total income in 2020 among recipients (\$) - Rates - Total"> 45,200</td>
Number of tables found: 1

```

<td class="text-right text-nowrap" headers="rh7 r113 geo2021A0011M9W
geo2021A0011M9Wstat4 geo2021A0011M9Wstat4gen1" title="2021A0011M9W - Median
total income in 2020 among recipients ($) - Rates - Total"> 34,400</td>
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r113 geo2021A0011M1X
geo2021A0011M1Xstat4 geo2021A0011M1Xstat4gen1" title="2021A0011M1X - Median
total income in 2020 among recipients ($) - Rates - Total"> 34,400</td>
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r113 geo2021A0011M4X
geo2021A0011M4Xstat4 geo2021A0011M4Xstat4gen1" title="2021A0011M4X - Median
total income in 2020 among recipients ($) - Rates - Total"> 33,600</td>
Number of tables found: 0
No tables found on this page.
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r113 geo2021A0011M8X
geo2021A0011M8Xstat4 geo2021A0011M8Xstat4gen1" title="2021A0011M8X - Median
total income in 2020 among recipients ($) - Rates - Total"> 68,000</td>
Number of tables found: 0
No tables found on this page.
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r113 geo2021A0011M8Y
geo2021A0011M8Ystat4 geo2021A0011M8Ystat4gen1" title="2021A0011M8Y - Median
total income in 2020 among recipients ($) - Rates - Total"> 48,000</td>
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r113 geo2021A0011M8Z
geo2021A0011M8Zstat4 geo2021A0011M8Zstat4gen1" title="2021A0011M8Z - Median
total income in 2020 among recipients ($) - Rates - Total"> 51,200</td>

```

```
[12]: df
```

```

[12]:   postal_code      data  value
0      M3A  2021A0011M3A - Median total income in 2020 amo... 37600.0
1      M4A  2021A0011M4A - Median total income in 2020 amo... 34800.0
2      M5A  2021A0011M5A - Median total income in 2020 amo... 43200.0
3      M6A  2021A0011M6A - Median total income in 2020 amo... 36000.0
4      M7A  2021A0011M7A - Median total income in 2020 amo...      NaN
..      ...
69     M1X  2021A0011M1X - Median total income in 2020 amo... 34400.0
70     M4X  2021A0011M4X - Median total income in 2020 amo... 33600.0
71     M8X  2021A0011M8X - Median total income in 2020 amo... 68000.0
72     M8Y  2021A0011M8Y - Median total income in 2020 amo... 48000.0
73     M8Z  2021A0011M8Z - Median total income in 2020 amo... 51200.0

```

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

```

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

```

[]: