

education degree and after tax income scarp

November 17, 2024

1 Simple Webscraping Example with BeautifulSoup

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

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

```
[2]: url = "https://www12.statcan.gc.ca/census-recensement/2021/dp-pd/prof/details/
↳page.cfm?
↳Lang=E&SearchText=M1E&DGUIDlist=2021A0011M1E&GENDERlist=1,2,3&STATISTIClist=1,4&HEADERlist=
```

```
[3]: # 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
```

```
[3]: <http.client.HTTPResponse at 0x7f8988f2f3a0>
```

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

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

```
[5]: # 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

```
[6]: # 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 - Population, 2021 - Counts - Total"})
```

```
[7]: td
```

```
[7]: <td class="text-right text-nowrap" headers="rh1 r1 geo2021A0011M1C
      geo2021A0011M1Cstat1 geo2021A0011M1Cstat1gen1" title="2021A0011M1C - Population,
      2021 - Counts - Total"> 35,642</td>
```

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

```
[8]: 35642.0
```

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

```
[9]: import urllib.parse as urlparse
      from urllib.parse import urlencode
      import pandas as pd
```

```
[10]: df = pd.read_csv('Toronto_Neighborhoods_with_Coordinates.csv')
      df.head()
```

```
[10]:
```

	Postalcode	Borough	Neighborhood \
0	M1B	Scarborough	Malvern / Rouge
1	M1C	Scarborough	Rouge Hill / Port Union / Highland Creek
2	M1E	Scarborough	Guildwood / Morningside / West Hill
3	M1G	Scarborough	Woburn
4	M1H	Scarborough	Cedarbrae

	Latitude	Longitude
0	43.806686	-79.194353
1	43.784535	-79.160497
2	43.763573	-79.188711
3	43.770992	-79.216917
4	43.773136	-79.239476

```
[11]: # A list of postal code from the previous part

      postal = df['Postalcode']
      postal
```

```
[11]: 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
```

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

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

```
[12]: Empty DataFrame
      Columns: [postal_code, data, value]
      Index: []
```

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

```
[13]: Empty DataFrame
      Columns: [postal_code, data, value]
      Index: []
```

```
[14]: # Loop through each postal code
      # median after tax income
      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)}")
if len(tables) == 0:
    print(f"No tables starts with this postal code: {query}. Skipping...")#
↳no table under this postal code
else:
    title = (f"2021A0011{i} - Median after-tax income in 2020 among
↳recipients ($) - Counts - Total")
    td = tables[0].find(attrs={"title": title})
    print(td)
    if td and td.text.strip():
        print(f"Processing value('median after tax income'): {td.text}")
        try:
            value = float(td.text.replace(",", "").strip()) #convert string to
↳the float
        except ValueError:
            # cannot convert, assign it to zero
            print(f"Non-numeric value encountered: {td.text}. Assigning default
↳value 0.")
            value = 0.0
        else:
            # cannot find, assign it to zero
            print(f"Skipping: No valid data found for title '{title}'. Assigning
↳default value 0.")
            value = 0.0
    df.loc[len(df.index)] = [i, title, value]

```

Number of tables found: 1

```

<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M1B
geo2021A0011M1Bstat1 geo2021A0011M1Bstat1gen1" title="2021A0011M1B - Median
after-tax income in 2020 among recipients ($) - Counts - Total"> 31,600</td>
Processing value('median after tax income'): 31,600

```

Number of tables found: 1

```

<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M1C
geo2021A0011M1Cstat1 geo2021A0011M1Cstat1gen1" title="2021A0011M1C - Median
after-tax income in 2020 among recipients ($) - Counts - Total"> 39,600</td>
Processing value('median after tax income'): 39,600

```

Number of tables found: 1

```

<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M1E
geo2021A0011M1Estat1 geo2021A0011M1Estat1gen1" title="2021A0011M1E - Median
after-tax income in 2020 among recipients ($) - Counts - Total"> 32,800</td>
Processing value('median after tax income'): 32,800

```

Number of tables found: 1

```

<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M1G

```

geo2021A0011M1Gstat1 geo2021A0011M1Gstat1gen1" title="2021A0011M1G - Median after-tax income in 2020 among recipients (\$) - Counts - Total"> 29,200</td>
Processing value('median after tax income'): 29,200
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M1H
geo2021A0011M1Hstat1 geo2021A0011M1Hstat1gen1" title="2021A0011M1H - Median after-tax income in 2020 among recipients (\$) - Counts - Total"> 31,800</td>
Processing value('median after tax income'): 31,800
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M1J
geo2021A0011M1Jstat1 geo2021A0011M1Jstat1gen1" title="2021A0011M1J - Median after-tax income in 2020 among recipients (\$) - Counts - Total"> 31,200</td>
Processing value('median after tax income'): 31,200
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M1K
geo2021A0011M1Kstat1 geo2021A0011M1Kstat1gen1" title="2021A0011M1K - Median after-tax income in 2020 among recipients (\$) - Counts - Total"> 31,000</td>
Processing value('median after tax income'): 31,000
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M1L
geo2021A0011M1Lstat1 geo2021A0011M1Lstat1gen1" title="2021A0011M1L - Median after-tax income in 2020 among recipients (\$) - Counts - Total"> 32,000</td>
Processing value('median after tax income'): 32,000
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M1M
geo2021A0011M1Mstat1 geo2021A0011M1Mstat1gen1" title="2021A0011M1M - Median after-tax income in 2020 among recipients (\$) - Counts - Total"> 34,000</td>
Processing value('median after tax income'): 34,000
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M1N
geo2021A0011M1Nstat1 geo2021A0011M1Nstat1gen1" title="2021A0011M1N - Median after-tax income in 2020 among recipients (\$) - Counts - Total"> 39,200</td>
Processing value('median after tax income'): 39,200
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M1P
geo2021A0011M1Pstat1 geo2021A0011M1Pstat1gen1" title="2021A0011M1P - Median after-tax income in 2020 among recipients (\$) - Counts - Total"> 31,200</td>
Processing value('median after tax income'): 31,200
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M1R
geo2021A0011M1Rstat1 geo2021A0011M1Rstat1gen1" title="2021A0011M1R - Median after-tax income in 2020 among recipients (\$) - Counts - Total"> 32,000</td>
Processing value('median after tax income'): 32,000
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M1S
geo2021A0011M1Sstat1 geo2021A0011M1Sstat1gen1" title="2021A0011M1S - Median after-tax income in 2020 among recipients (\$) - Counts - Total"> 29,400</td>
Processing value('median after tax income'): 29,400

Number of tables found: 1

```
<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M1T
geo2021A0011M1Tstat1 geo2021A0011M1Tstat1gen1" title="2021A0011M1T - Median
after-tax income in 2020 among recipients ($) - Counts - Total"> 29,800</td>
Processing value('median after tax income'): 29,800
```

Number of tables found: 1

```
<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M1V
geo2021A0011M1Vstat1 geo2021A0011M1Vstat1gen1" title="2021A0011M1V - Median
after-tax income in 2020 among recipients ($) - Counts - Total"> 27,400</td>
Processing value('median after tax income'): 27,400
```

Number of tables found: 1

```
<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M1W
geo2021A0011M1Wstat1 geo2021A0011M1Wstat1gen1" title="2021A0011M1W - Median
after-tax income in 2020 among recipients ($) - Counts - Total"> 29,600</td>
Processing value('median after tax income'): 29,600
```

Number of tables found: 1

```
<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M1X
geo2021A0011M1Xstat1 geo2021A0011M1Xstat1gen1" title="2021A0011M1X - Median
after-tax income in 2020 among recipients ($) - Counts - Total"> 32,000</td>
Processing value('median after tax income'): 32,000
```

Number of tables found: 1

```
<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M2H
geo2021A0011M2Hstat1 geo2021A0011M2Hstat1gen1" title="2021A0011M2H - Median
after-tax income in 2020 among recipients ($) - Counts - Total"> 32,000</td>
Processing value('median after tax income'): 32,000
```

Number of tables found: 1

```
<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M2J
geo2021A0011M2Jstat1 geo2021A0011M2Jstat1gen1" title="2021A0011M2J - Median
after-tax income in 2020 among recipients ($) - Counts - Total"> 33,200</td>
Processing value('median after tax income'): 33,200
```

Number of tables found: 1

```
<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M2K
geo2021A0011M2Kstat1 geo2021A0011M2Kstat1gen1" title="2021A0011M2K - Median
after-tax income in 2020 among recipients ($) - Counts - Total"> 38,400</td>
Processing value('median after tax income'): 38,400
```

Number of tables found: 1

```
<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M2L
geo2021A0011M2Lstat1 geo2021A0011M2Lstat1gen1" title="2021A0011M2L - Median
after-tax income in 2020 among recipients ($) - Counts - Total"> 41,600</td>
Processing value('median after tax income'): 41,600
```

Number of tables found: 1

```
<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M2M
geo2021A0011M2Mstat1 geo2021A0011M2Mstat1gen1" title="2021A0011M2M - Median
after-tax income in 2020 among recipients ($) - Counts - Total"> 31,600</td>
Processing value('median after tax income'): 31,600
```

Number of tables found: 1

```
<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M2N
geo2021A0011M2Nstat1 geo2021A0011M2Nstat1gen1" title="2021A0011M2N - Median
```

after-tax income in 2020 among recipients (\$) - Counts - Total"> 36,400</td>
Processing value('median after tax income'): 36,400
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M2P
geo2021A0011M2Pstat1 geo2021A0011M2Pstat1gen1" title="2021A0011M2P - Median
after-tax income in 2020 among recipients (\$) - Counts - Total"> 44,400</td>
Processing value('median after tax income'): 44,400
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M2R
geo2021A0011M2Rstat1 geo2021A0011M2Rstat1gen1" title="2021A0011M2R - Median
after-tax income in 2020 among recipients (\$) - Counts - Total"> 31,400</td>
Processing value('median after tax income'): 31,400
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M3A
geo2021A0011M3Astat1 geo2021A0011M3Astat1gen1" title="2021A0011M3A - Median
after-tax income in 2020 among recipients (\$) - Counts - Total"> 34,400</td>
Processing value('median after tax income'): 34,400
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M3B
geo2021A0011M3Bstat1 geo2021A0011M3Bstat1gen1" title="2021A0011M3B - Median
after-tax income in 2020 among recipients (\$) - Counts - Total"> 44,800</td>
Processing value('median after tax income'): 44,800
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M3C
geo2021A0011M3Cstat1 geo2021A0011M3Cstat1gen1" title="2021A0011M3C - Median
after-tax income in 2020 among recipients (\$) - Counts - Total"> 32,800</td>
Processing value('median after tax income'): 32,800
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M3H
geo2021A0011M3Hstat1 geo2021A0011M3Hstat1gen1" title="2021A0011M3H - Median
after-tax income in 2020 among recipients (\$) - Counts - Total"> 36,800</td>
Processing value('median after tax income'): 36,800
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M3J
geo2021A0011M3Jstat1 geo2021A0011M3Jstat1gen1" title="2021A0011M3J - Median
after-tax income in 2020 among recipients (\$) - Counts - Total"> 30,600</td>
Processing value('median after tax income'): 30,600
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M3K
geo2021A0011M3Kstat1 geo2021A0011M3Kstat1gen1" title="2021A0011M3K - Median
after-tax income in 2020 among recipients (\$) - Counts - Total"> 35,600</td>
Processing value('median after tax income'): 35,600
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M3L
geo2021A0011M3Lstat1 geo2021A0011M3Lstat1gen1" title="2021A0011M3L - Median
after-tax income in 2020 among recipients (\$) - Counts - Total"> 30,600</td>
Processing value('median after tax income'): 30,600
Number of tables found: 1

<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M3M
 geo2021A0011M3Mstat1 geo2021A0011M3Mstat1gen1" title="2021A0011M3M - Median
 after-tax income in 2020 among recipients (\$) - Counts - Total"> 32,400</td>
 Processing value('median after tax income'): 32,400
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M3N
 geo2021A0011M3Nstat1 geo2021A0011M3Nstat1gen1" title="2021A0011M3N - Median
 after-tax income in 2020 among recipients (\$) - Counts - Total"> 28,400</td>
 Processing value('median after tax income'): 28,400
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M4A
 geo2021A0011M4Astat1 geo2021A0011M4Astat1gen1" title="2021A0011M4A - Median
 after-tax income in 2020 among recipients (\$) - Counts - Total"> 32,400</td>
 Processing value('median after tax income'): 32,400
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M4B
 geo2021A0011M4Bstat1 geo2021A0011M4Bstat1gen1" title="2021A0011M4B - Median
 after-tax income in 2020 among recipients (\$) - Counts - Total"> 35,200</td>
 Processing value('median after tax income'): 35,200
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M4C
 geo2021A0011M4Cstat1 geo2021A0011M4Cstat1gen1" title="2021A0011M4C - Median
 after-tax income in 2020 among recipients (\$) - Counts - Total"> 36,400</td>
 Processing value('median after tax income'): 36,400
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M4E
 geo2021A0011M4Estat1 geo2021A0011M4Estat1gen1" title="2021A0011M4E - Median
 after-tax income in 2020 among recipients (\$) - Counts - Total"> 48,800</td>
 Processing value('median after tax income'): 48,800
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M4G
 geo2021A0011M4Gstat1 geo2021A0011M4Gstat1gen1" title="2021A0011M4G - Median
 after-tax income in 2020 among recipients (\$) - Counts - Total"> 54,000</td>
 Processing value('median after tax income'): 54,000
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M4H
 geo2021A0011M4Hstat1 geo2021A0011M4Hstat1gen1" title="2021A0011M4H - Median
 after-tax income in 2020 among recipients (\$) - Counts - Total"> 27,000</td>
 Processing value('median after tax income'): 27,000
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M4J
 geo2021A0011M4Jstat1 geo2021A0011M4Jstat1gen1" title="2021A0011M4J - Median
 after-tax income in 2020 among recipients (\$) - Counts - Total"> 39,200</td>
 Processing value('median after tax income'): 39,200
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M4K
 geo2021A0011M4Kstat1 geo2021A0011M4Kstat1gen1" title="2021A0011M4K - Median
 after-tax income in 2020 among recipients (\$) - Counts - Total"> 40,400</td>

Processing value('median after tax income'): 40,400
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M4L
geo2021A0011M4Lstat1 geo2021A0011M4Lstat1gen1" title="2021A0011M4L - Median
after-tax income in 2020 among recipients (\$) - Counts - Total"> 45,200</td>
Processing value('median after tax income'): 45,200
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M4M
geo2021A0011M4Mstat1 geo2021A0011M4Mstat1gen1" title="2021A0011M4M - Median
after-tax income in 2020 among recipients (\$) - Counts - Total"> 43,600</td>
Processing value('median after tax income'): 43,600
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M4N
geo2021A0011M4Nstat1 geo2021A0011M4Nstat1gen1" title="2021A0011M4N - Median
after-tax income in 2020 among recipients (\$) - Counts - Total"> 54,400</td>
Processing value('median after tax income'): 54,400
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M4P
geo2021A0011M4Pstat1 geo2021A0011M4Pstat1gen1" title="2021A0011M4P - Median
after-tax income in 2020 among recipients (\$) - Counts - Total"> 42,400</td>
Processing value('median after tax income'): 42,400
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M4R
geo2021A0011M4Rstat1 geo2021A0011M4Rstat1gen1" title="2021A0011M4R - Median
after-tax income in 2020 among recipients (\$) - Counts - Total"> 49,600</td>
Processing value('median after tax income'): 49,600
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M4S
geo2021A0011M4Sstat1 geo2021A0011M4Sstat1gen1" title="2021A0011M4S - Median
after-tax income in 2020 among recipients (\$) - Counts - Total"> 47,600</td>
Processing value('median after tax income'): 47,600
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M4T
geo2021A0011M4Tstat1 geo2021A0011M4Tstat1gen1" title="2021A0011M4T - Median
after-tax income in 2020 among recipients (\$) - Counts - Total"> 56,400</td>
Processing value('median after tax income'): 56,400
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M4V
geo2021A0011M4Vstat1 geo2021A0011M4Vstat1gen1" title="2021A0011M4V - Median
after-tax income in 2020 among recipients (\$) - Counts - Total"> 52,800</td>
Processing value('median after tax income'): 52,800
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M4W
geo2021A0011M4Wstat1 geo2021A0011M4Wstat1gen1" title="2021A0011M4W - Median
after-tax income in 2020 among recipients (\$) - Counts - Total"> 52,000</td>
Processing value('median after tax income'): 52,000
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M4X

geo2021A0011M4Xstat1 geo2021A0011M4Xstat1gen1" title="2021A0011M4X - Median after-tax income in 2020 among recipients (\$) - Counts - Total"> 31,600</td>
Processing value('median after tax income'): 31,600
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M4Y
geo2021A0011M4Ystat1 geo2021A0011M4Ystat1gen1" title="2021A0011M4Y - Median after-tax income in 2020 among recipients (\$) - Counts - Total"> 39,200</td>
Processing value('median after tax income'): 39,200
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M5A
geo2021A0011M5Astat1 geo2021A0011M5Astat1gen1" title="2021A0011M5A - Median after-tax income in 2020 among recipients (\$) - Counts - Total"> 39,200</td>
Processing value('median after tax income'): 39,200
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M5B
geo2021A0011M5Bstat1 geo2021A0011M5Bstat1gen1" title="2021A0011M5B - Median after-tax income in 2020 among recipients (\$) - Counts - Total"> 35,200</td>
Processing value('median after tax income'): 35,200
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M5C
geo2021A0011M5Cstat1 geo2021A0011M5Cstat1gen1" title="2021A0011M5C - Median after-tax income in 2020 among recipients (\$) - Counts - Total"> 51,600</td>
Processing value('median after tax income'): 51,600
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M5E
geo2021A0011M5Estat1 geo2021A0011M5Estat1gen1" title="2021A0011M5E - Median after-tax income in 2020 among recipients (\$) - Counts - Total"> 56,800</td>
Processing value('median after tax income'): 56,800
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M5G
geo2021A0011M5Gstat1 geo2021A0011M5Gstat1gen1" title="2021A0011M5G - Median after-tax income in 2020 among recipients (\$) - Counts - Total"> 40,000</td>
Processing value('median after tax income'): 40,000
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M5H
geo2021A0011M5Hstat1 geo2021A0011M5Hstat1gen1" title="2021A0011M5H - Median after-tax income in 2020 among recipients (\$) - Counts - Total"> 52,000</td>
Processing value('median after tax income'): 52,000
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M5J
geo2021A0011M5Jstat1 geo2021A0011M5Jstat1gen1" title="2021A0011M5J - Median after-tax income in 2020 among recipients (\$) - Counts - Total"> 54,000</td>
Processing value('median after tax income'): 54,000
Number of tables found: 0
No tables starts with this postal code: <https://www12.statcan.gc.ca/census-recensement/2021/dp-pd/prof/details/page.cfm?Lang=E&SearchText=M5K&DGUIDlist=2021A0011M5K>.
Skipping...

Processing value('median after tax income'): 54,000
Number of tables found: 0
No tables starts with this postal code: <https://www12.statcan.gc.ca/census-recensement/2021/dp-pd/prof/details/page.cfm?Lang=E&SearchText=M5L&DGUIDlist=2021A0011M5L>.
Skipping...

Processing value('median after tax income'): 54,000
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M5M geo2021A0011M5Mstat1 geo2021A0011M5Mstat1gen1" title="2021A0011M5M - Median after-tax income in 2020 among recipients (\$) - Counts - Total"> 52,400</td>
Processing value('median after tax income'): 52,400
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M5N geo2021A0011M5Nstat1 geo2021A0011M5Nstat1gen1" title="2021A0011M5N - Median after-tax income in 2020 among recipients (\$) - Counts - Total"> 44,400</td>
Processing value('median after tax income'): 44,400
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M5P geo2021A0011M5Pstat1 geo2021A0011M5Pstat1gen1" title="2021A0011M5P - Median after-tax income in 2020 among recipients (\$) - Counts - Total"> 48,800</td>
Processing value('median after tax income'): 48,800
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M5R geo2021A0011M5Rstat1 geo2021A0011M5Rstat1gen1" title="2021A0011M5R - Median after-tax income in 2020 among recipients (\$) - Counts - Total"> 46,400</td>
Processing value('median after tax income'): 46,400
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M5S geo2021A0011M5Sstat1 geo2021A0011M5Sstat1gen1" title="2021A0011M5S - Median after-tax income in 2020 among recipients (\$) - Counts - Total"> 38,400</td>
Processing value('median after tax income'): 38,400
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M5T geo2021A0011M5Tstat1 geo2021A0011M5Tstat1gen1" title="2021A0011M5T - Median after-tax income in 2020 among recipients (\$) - Counts - Total"> 29,800</td>
Processing value('median after tax income'): 29,800
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M5V geo2021A0011M5Vstat1 geo2021A0011M5Vstat1gen1" title="2021A0011M5V - Median after-tax income in 2020 among recipients (\$) - Counts - Total"> 54,000</td>
Processing value('median after tax income'): 54,000
Number of tables found: 0
No tables starts with this postal code: <https://www12.statcan.gc.ca/census-recensement/2021/dp-pd/prof/details/page.cfm?Lang=E&SearchText=M5W&DGUIDlist=2021A0011M5W>.
Skipping...

Processing value('median after tax income'): 54,000

Number of tables found: 0

No tables starts with this postal code: <https://www12.statcan.gc.ca/census-recensement/2021/dp->

[pd/prof/details/page.cfm?Lang=E&SearchText=M5X&DGUIDlist=2021A0011M5X](https://www12.statcan.gc.ca/census-recensement/2021/dp-prof/prof/details/page.cfm?Lang=E&SearchText=M5X&DGUIDlist=2021A0011M5X).

Skipping...

Processing value('median after tax income'): 54,000

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M6A geo2021A0011M6Astat1 geo2021A0011M6Astat1gen1" title="2021A0011M6A - Median after-tax income in 2020 among recipients (\$) - Counts - Total"> 33,600</td>

Processing value('median after tax income'): 33,600

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M6B geo2021A0011M6Bstat1 geo2021A0011M6Bstat1gen1" title="2021A0011M6B - Median after-tax income in 2020 among recipients (\$) - Counts - Total"> 35,200</td>

Processing value('median after tax income'): 35,200

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M6C geo2021A0011M6Cstat1 geo2021A0011M6Cstat1gen1" title="2021A0011M6C - Median after-tax income in 2020 among recipients (\$) - Counts - Total"> 40,800</td>

Processing value('median after tax income'): 40,800

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M6E geo2021A0011M6Estat1 geo2021A0011M6Estat1gen1" title="2021A0011M6E - Median after-tax income in 2020 among recipients (\$) - Counts - Total"> 34,000</td>

Processing value('median after tax income'): 34,000

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M6G geo2021A0011M6Gstat1 geo2021A0011M6Gstat1gen1" title="2021A0011M6G - Median after-tax income in 2020 among recipients (\$) - Counts - Total"> 39,200</td>

Processing value('median after tax income'): 39,200

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M6H geo2021A0011M6Hstat1 geo2021A0011M6Hstat1gen1" title="2021A0011M6H - Median after-tax income in 2020 among recipients (\$) - Counts - Total"> 36,400</td>

Processing value('median after tax income'): 36,400

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M6J geo2021A0011M6Jstat1 geo2021A0011M6Jstat1gen1" title="2021A0011M6J - Median after-tax income in 2020 among recipients (\$) - Counts - Total"> 41,600</td>

Processing value('median after tax income'): 41,600

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M6K geo2021A0011M6Kstat1 geo2021A0011M6Kstat1gen1" title="2021A0011M6K - Median after-tax income in 2020 among recipients (\$) - Counts - Total"> 38,800</td>

Processing value('median after tax income'): 38,800

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M6L

geo2021A0011M6Lstat1 geo2021A0011M6Lstat1gen1" title="2021A0011M6L - Median after-tax income in 2020 among recipients (\$) - Counts - Total"> 31,800</td>
Processing value('median after tax income'): 31,800
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M6M geo2021A0011M6Mstat1 geo2021A0011M6Mstat1gen1" title="2021A0011M6M - Median after-tax income in 2020 among recipients (\$) - Counts - Total"> 31,800</td>
Processing value('median after tax income'): 31,800
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M6N geo2021A0011M6Nstat1 geo2021A0011M6Nstat1gen1" title="2021A0011M6N - Median after-tax income in 2020 among recipients (\$) - Counts - Total"> 32,000</td>
Processing value('median after tax income'): 32,000
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M6P geo2021A0011M6Pstat1 geo2021A0011M6Pstat1gen1" title="2021A0011M6P - Median after-tax income in 2020 among recipients (\$) - Counts - Total"> 42,800</td>
Processing value('median after tax income'): 42,800
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M6R geo2021A0011M6Rstat1 geo2021A0011M6Rstat1gen1" title="2021A0011M6R - Median after-tax income in 2020 among recipients (\$) - Counts - Total"> 46,400</td>
Processing value('median after tax income'): 46,400
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M6S geo2021A0011M6Sstat1 geo2021A0011M6Sstat1gen1" title="2021A0011M6S - Median after-tax income in 2020 among recipients (\$) - Counts - Total"> 49,200</td>
Processing value('median after tax income'): 49,200
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M7A geo2021A0011M7Astat1 geo2021A0011M7Astat1gen1" title="2021A0011M7A - Median after-tax income in 2020 among recipients (\$) - Counts - Total"><abbr title="suppressed to meet the confidentiality requirements of the Statistics Act">x</abbr></td>
Processing value('median after tax income'): x
Non-numeric value encountered: x. Assigning default value 0.
Number of tables found: 0
No tables starts with this postal code: <https://www12.statcan.gc.ca/census-recensement/2021/dp-pd/prof/details/page.cfm?Lang=E&SearchText=M7R&DGUIDlist=2021A0011M7R>.
Skipping...
Processing value('median after tax income'): x
Non-numeric value encountered: x. Assigning default value 0.
Number of tables found: 0
No tables starts with this postal code: <https://www12.statcan.gc.ca/census-recensement/2021/dp-pd/prof/details/page.cfm?Lang=E&SearchText=M7Y&DGUIDlist=2021A0011M7Y>.
Skipping...

Processing value('median after tax income'): x
Non-numeric value encountered: x. Assigning default value 0.
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M8V
geo2021A0011M8Vstat1 geo2021A0011M8Vstat1gen1" title="2021A0011M8V - Median
after-tax income in 2020 among recipients (\$) - Counts - Total"> 40,800</td>
Processing value('median after tax income'): 40,800
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M8W
geo2021A0011M8Wstat1 geo2021A0011M8Wstat1gen1" title="2021A0011M8W - Median
after-tax income in 2020 among recipients (\$) - Counts - Total"> 40,800</td>
Processing value('median after tax income'): 40,800
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M8X
geo2021A0011M8Xstat1 geo2021A0011M8Xstat1gen1" title="2021A0011M8X - Median
after-tax income in 2020 among recipients (\$) - Counts - Total"> 56,800</td>
Processing value('median after tax income'): 56,800
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M8Y
geo2021A0011M8Ystat1 geo2021A0011M8Ystat1gen1" title="2021A0011M8Y - Median
after-tax income in 2020 among recipients (\$) - Counts - Total"> 42,800</td>
Processing value('median after tax income'): 42,800
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M8Z
geo2021A0011M8Zstat1 geo2021A0011M8Zstat1gen1" title="2021A0011M8Z - Median
after-tax income in 2020 among recipients (\$) - Counts - Total"> 45,200</td>
Processing value('median after tax income'): 45,200
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M9A
geo2021A0011M9Astat1 geo2021A0011M9Astat1gen1" title="2021A0011M9A - Median
after-tax income in 2020 among recipients (\$) - Counts - Total"> 41,200</td>
Processing value('median after tax income'): 41,200
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M9B
geo2021A0011M9Bstat1 geo2021A0011M9Bstat1gen1" title="2021A0011M9B - Median
after-tax income in 2020 among recipients (\$) - Counts - Total"> 42,000</td>
Processing value('median after tax income'): 42,000
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M9C
geo2021A0011M9Cstat1 geo2021A0011M9Cstat1gen1" title="2021A0011M9C - Median
after-tax income in 2020 among recipients (\$) - Counts - Total"> 39,200</td>
Processing value('median after tax income'): 39,200
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M9L
geo2021A0011M9Lstat1 geo2021A0011M9Lstat1gen1" title="2021A0011M9L - Median
after-tax income in 2020 among recipients (\$) - Counts - Total"> 29,600</td>
Processing value('median after tax income'): 29,600
Number of tables found: 1

```

<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M9M
geo2021A0011M9Mstat1 geo2021A0011M9Mstat1gen1" title="2021A0011M9M - Median
after-tax income in 2020 among recipients ($) - Counts - Total"> 32,000</td>
Processing value('median after tax income'): 32,000
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M9N
geo2021A0011M9Nstat1 geo2021A0011M9Nstat1gen1" title="2021A0011M9N - Median
after-tax income in 2020 among recipients ($) - Counts - Total"> 33,200</td>
Processing value('median after tax income'): 33,200
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M9P
geo2021A0011M9Pstat1 geo2021A0011M9Pstat1gen1" title="2021A0011M9P - Median
after-tax income in 2020 among recipients ($) - Counts - Total"> 37,600</td>
Processing value('median after tax income'): 37,600
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M9R
geo2021A0011M9Rstat1 geo2021A0011M9Rstat1gen1" title="2021A0011M9R - Median
after-tax income in 2020 among recipients ($) - Counts - Total"> 33,600</td>
Processing value('median after tax income'): 33,600
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M9V
geo2021A0011M9Vstat1 geo2021A0011M9Vstat1gen1" title="2021A0011M9V - Median
after-tax income in 2020 among recipients ($) - Counts - Total"> 29,400</td>
Processing value('median after tax income'): 29,400
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh7 r115 geo2021A0011M9W
geo2021A0011M9Wstat1 geo2021A0011M9Wstat1gen1" title="2021A0011M9W - Median
after-tax income in 2020 among recipients ($) - Counts - Total"> 32,400</td>
Processing value('median after tax income'): 32,400

```

```

[15]: #Bachelor's degree or higher
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)}")
if len(tables) == 0:
    print(f"No tables starts with this postal code: {query}. Skipping...")#
↳no table under this postal code
else:
    title = (f"2021A0011{i} - Bachelor's degree or higher - Counts - Total")
    td = tables[0].find(attrs={"title": title})
    print(td)
    if td and td.text.strip():
        print(f"Processing value('Bachelor's degree or higher): {td.text}")
        try:
            value = float(td.text.replace(",", "").strip()) #convert string to
↳the float
        except ValueError:
            # cannot convert, assign it to zero
            print(f"Non-numeric value encountered: {td.text}. Assigning default
↳value 0.")
            value = 0.0
        else:
            # cannot find, assign it to zero
            print(f"Skipping: No valid data found for title '{title}'. Assigning
↳default value 0.")
            value = 0.0
    df1.loc[len(df1.index)] = [i, title, value]

```

Number of tables found: 1

```

<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M1B
geo2021A0011M1Bstat1 geo2021A0011M1Bstat1gen1" title="2021A0011M1B - Bachelor's
degree or higher - Counts - Total"> 14,160</td>

```

Processing value('Bachelor's degree or higher): 14,160

Number of tables found: 1

```

<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M1C
geo2021A0011M1Cstat1 geo2021A0011M1Cstat1gen1" title="2021A0011M1C - Bachelor's
degree or higher - Counts - Total"> 11,150</td>

```

Processing value('Bachelor's degree or higher): 11,150

Number of tables found: 1

```

<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M1E
geo2021A0011M1Estat1 geo2021A0011M1Estat1gen1" title="2021A0011M1E - Bachelor's
degree or higher - Counts - Total"> 11,120</td>

```

Processing value('Bachelor's degree or higher): 11,120

Number of tables found: 1

```

<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M1G
geo2021A0011M1Gstat1 geo2021A0011M1Gstat1gen1" title="2021A0011M1G - Bachelor's

```


degree or higher - Counts - Total"> 6,770</td>
Processing value('Bachelor's degree or higher): 6,770
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M1H
geo2021A0011M1Hstat1 geo2021A0011M1Hstat1gen1" title="2021A0011M1H - Bachelor's
degree or higher - Counts - Total"> 6,895</td>
Processing value('Bachelor's degree or higher): 6,895
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M1J
geo2021A0011M1Jstat1 geo2021A0011M1Jstat1gen1" title="2021A0011M1J - Bachelor's
degree or higher - Counts - Total"> 7,690</td>
Processing value('Bachelor's degree or higher): 7,690
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M1K
geo2021A0011M1Kstat1 geo2021A0011M1Kstat1gen1" title="2021A0011M1K - Bachelor's
degree or higher - Counts - Total"> 10,665</td>
Processing value('Bachelor's degree or higher): 10,665
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M1L
geo2021A0011M1Lstat1 geo2021A0011M1Lstat1gen1" title="2021A0011M1L - Bachelor's
degree or higher - Counts - Total"> 9,660</td>
Processing value('Bachelor's degree or higher): 9,660
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M1M
geo2021A0011M1Mstat1 geo2021A0011M1Mstat1gen1" title="2021A0011M1M - Bachelor's
degree or higher - Counts - Total"> 6,700</td>
Processing value('Bachelor's degree or higher): 6,700
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M1N
geo2021A0011M1Nstat1 geo2021A0011M1Nstat1gen1" title="2021A0011M1N - Bachelor's
degree or higher - Counts - Total"> 6,805</td>
Processing value('Bachelor's degree or higher): 6,805
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M1P
geo2021A0011M1Pstat1 geo2021A0011M1Pstat1gen1" title="2021A0011M1P - Bachelor's
degree or higher - Counts - Total"> 11,585</td>
Processing value('Bachelor's degree or higher): 11,585
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M1R
geo2021A0011M1Rstat1 geo2021A0011M1Rstat1gen1" title="2021A0011M1R - Bachelor's
degree or higher - Counts - Total"> 7,100</td>
Processing value('Bachelor's degree or higher): 7,100
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M1S
geo2021A0011M1Sstat1 geo2021A0011M1Sstat1gen1" title="2021A0011M1S - Bachelor's
degree or higher - Counts - Total"> 10,320</td>
Processing value('Bachelor's degree or higher): 10,320
Number of tables found: 1

<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M1T
 geo2021A0011M1Tstat1 geo2021A0011M1Tstat1gen1" title="2021A0011M1T - Bachelor's
 degree or higher - Counts - Total"> 9,635</td>
 Processing value('Bachelor's degree or higher): 9,635
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M1V
 geo2021A0011M1Vstat1 geo2021A0011M1Vstat1gen1" title="2021A0011M1V - Bachelor's
 degree or higher - Counts - Total"> 10,700</td>
 Processing value('Bachelor's degree or higher): 10,700
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M1W
 geo2021A0011M1Wstat1 geo2021A0011M1Wstat1gen1" title="2021A0011M1W - Bachelor's
 degree or higher - Counts - Total"> 13,180</td>
 Processing value('Bachelor's degree or higher): 13,180
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M1X
 geo2021A0011M1Xstat1 geo2021A0011M1Xstat1gen1" title="2021A0011M1X - Bachelor's
 degree or higher - Counts - Total"> 3,145</td>
 Processing value('Bachelor's degree or higher): 3,145
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M2H
 geo2021A0011M2Hstat1 geo2021A0011M2Hstat1gen1" title="2021A0011M2H - Bachelor's
 degree or higher - Counts - Total"> 9,520</td>
 Processing value('Bachelor's degree or higher): 9,520
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M2J
 geo2021A0011M2Jstat1 geo2021A0011M2Jstat1gen1" title="2021A0011M2J - Bachelor's
 degree or higher - Counts - Total"> 24,985</td>
 Processing value('Bachelor's degree or higher): 24,985
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M2K
 geo2021A0011M2Kstat1 geo2021A0011M2Kstat1gen1" title="2021A0011M2K - Bachelor's
 degree or higher - Counts - Total"> 13,120</td>
 Processing value('Bachelor's degree or higher): 13,120
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M2L
 geo2021A0011M2Lstat1 geo2021A0011M2Lstat1gen1" title="2021A0011M2L - Bachelor's
 degree or higher - Counts - Total"> 5,250</td>
 Processing value('Bachelor's degree or higher): 5,250
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M2M
 geo2021A0011M2Mstat1 geo2021A0011M2Mstat1gen1" title="2021A0011M2M - Bachelor's
 degree or higher - Counts - Total"> 13,715</td>
 Processing value('Bachelor's degree or higher): 13,715
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M2N
 geo2021A0011M2Nstat1 geo2021A0011M2Nstat1gen1" title="2021A0011M2N - Bachelor's
 degree or higher - Counts - Total"> 39,350</td>

Processing value('Bachelor's degree or higher): 39,350
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M2P
geo2021A0011M2Pstat1 geo2021A0011M2Pstat1gen1" title="2021A0011M2P - Bachelor's
degree or higher - Counts - Total"> 3,810</td>
Processing value('Bachelor's degree or higher): 3,810
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M2R
geo2021A0011M2Rstat1 geo2021A0011M2Rstat1gen1" title="2021A0011M2R - Bachelor's
degree or higher - Counts - Total"> 13,725</td>
Processing value('Bachelor's degree or higher): 13,725
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M3A
geo2021A0011M3Astat1 geo2021A0011M3Astat1gen1" title="2021A0011M3A - Bachelor's
degree or higher - Counts - Total"> 10,585</td>
Processing value('Bachelor's degree or higher): 10,585
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M3B
geo2021A0011M3Bstat1 geo2021A0011M3Bstat1gen1" title="2021A0011M3B - Bachelor's
degree or higher - Counts - Total"> 6,135</td>
Processing value('Bachelor's degree or higher): 6,135
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M3C
geo2021A0011M3Cstat1 geo2021A0011M3Cstat1gen1" title="2021A0011M3C - Bachelor's
degree or higher - Counts - Total"> 12,370</td>
Processing value('Bachelor's degree or higher): 12,370
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M3H
geo2021A0011M3Hstat1 geo2021A0011M3Hstat1gen1" title="2021A0011M3H - Bachelor's
degree or higher - Counts - Total"> 13,965</td>
Processing value('Bachelor's degree or higher): 13,965
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M3J
geo2021A0011M3Jstat1 geo2021A0011M3Jstat1gen1" title="2021A0011M3J - Bachelor's
degree or higher - Counts - Total"> 6,315</td>
Processing value('Bachelor's degree or higher): 6,315
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M3K
geo2021A0011M3Kstat1 geo2021A0011M3Kstat1gen1" title="2021A0011M3K - Bachelor's
degree or higher - Counts - Total"> 1,965</td>
Processing value('Bachelor's degree or higher): 1,965
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M3L
geo2021A0011M3Lstat1 geo2021A0011M3Lstat1gen1" title="2021A0011M3L - Bachelor's
degree or higher - Counts - Total"> 2,380</td>
Processing value('Bachelor's degree or higher): 2,380
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M3M

geo2021A0011M3Mstat1 geo2021A0011M3Mstat1gen1" title="2021A0011M3M - Bachelor's degree or higher - Counts - Total"> 3,975</td>
 Processing value('Bachelor's degree or higher): 3,975
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M3N geo2021A0011M3Nstat1 geo2021A0011M3Nstat1gen1" title="2021A0011M3N - Bachelor's degree or higher - Counts - Total"> 3,855</td>
 Processing value('Bachelor's degree or higher): 3,855
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M4A geo2021A0011M4Astat1 geo2021A0011M4Astat1gen1" title="2021A0011M4A - Bachelor's degree or higher - Counts - Total"> 3,545</td>
 Processing value('Bachelor's degree or higher): 3,545
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M4B geo2021A0011M4Bstat1 geo2021A0011M4Bstat1gen1" title="2021A0011M4B - Bachelor's degree or higher - Counts - Total"> 4,395</td>
 Processing value('Bachelor's degree or higher): 4,395
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M4C geo2021A0011M4Cstat1 geo2021A0011M4Cstat1gen1" title="2021A0011M4C - Bachelor's degree or higher - Counts - Total"> 15,735</td>
 Processing value('Bachelor's degree or higher): 15,735
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M4E geo2021A0011M4Estat1 geo2021A0011M4Estat1gen1" title="2021A0011M4E - Bachelor's degree or higher - Counts - Total"> 11,150</td>
 Processing value('Bachelor's degree or higher): 11,150
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M4G geo2021A0011M4Gstat1 geo2021A0011M4Gstat1gen1" title="2021A0011M4G - Bachelor's degree or higher - Counts - Total"> 9,715</td>
 Processing value('Bachelor's degree or higher): 9,715
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M4H geo2021A0011M4Hstat1 geo2021A0011M4Hstat1gen1" title="2021A0011M4H - Bachelor's degree or higher - Counts - Total"> 4,280</td>
 Processing value('Bachelor's degree or higher): 4,280
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M4J geo2021A0011M4Jstat1 geo2021A0011M4Jstat1gen1" title="2021A0011M4J - Bachelor's degree or higher - Counts - Total"> 12,370</td>
 Processing value('Bachelor's degree or higher): 12,370
 Number of tables found: 1
 <td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M4K geo2021A0011M4Kstat1 geo2021A0011M4Kstat1gen1" title="2021A0011M4K - Bachelor's degree or higher - Counts - Total"> 12,900</td>
 Processing value('Bachelor's degree or higher): 12,900

Number of tables found: 1
<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M4L
geo2021A0011M4Lstat1 geo2021A0011M4Lstat1gen1" title="2021A0011M4L - Bachelor's
degree or higher - Counts - Total"> 12,225</td>
Processing value('Bachelor's degree or higher): 12,225
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M4M
geo2021A0011M4Mstat1 geo2021A0011M4Mstat1gen1" title="2021A0011M4M - Bachelor's
degree or higher - Counts - Total"> 10,395</td>
Processing value('Bachelor's degree or higher): 10,395
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M4N
geo2021A0011M4Nstat1 geo2021A0011M4Nstat1gen1" title="2021A0011M4N - Bachelor's
degree or higher - Counts - Total"> 8,035</td>
Processing value('Bachelor's degree or higher): 8,035
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M4P
geo2021A0011M4Pstat1 geo2021A0011M4Pstat1gen1" title="2021A0011M4P - Bachelor's
degree or higher - Counts - Total"> 13,115</td>
Processing value('Bachelor's degree or higher): 13,115
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M4R
geo2021A0011M4Rstat1 geo2021A0011M4Rstat1gen1" title="2021A0011M4R - Bachelor's
degree or higher - Counts - Total"> 6,335</td>
Processing value('Bachelor's degree or higher): 6,335
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M4S
geo2021A0011M4Sstat1 geo2021A0011M4Sstat1gen1" title="2021A0011M4S - Bachelor's
degree or higher - Counts - Total"> 16,940</td>
Processing value('Bachelor's degree or higher): 16,940
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M4T
geo2021A0011M4Tstat1 geo2021A0011M4Tstat1gen1" title="2021A0011M4T - Bachelor's
degree or higher - Counts - Total"> 5,880</td>
Processing value('Bachelor's degree or higher): 5,880
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M4V
geo2021A0011M4Vstat1 geo2021A0011M4Vstat1gen1" title="2021A0011M4V - Bachelor's
degree or higher - Counts - Total"> 10,760</td>
Processing value('Bachelor's degree or higher): 10,760
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M4W
geo2021A0011M4Wstat1 geo2021A0011M4Wstat1gen1" title="2021A0011M4W - Bachelor's
degree or higher - Counts - Total"> 9,360</td>
Processing value('Bachelor's degree or higher): 9,360
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M4X
geo2021A0011M4Xstat1 geo2021A0011M4Xstat1gen1" title="2021A0011M4X - Bachelor's

degree or higher - Counts - Total"> 7,175</td>
Processing value('Bachelor's degree or higher): 7,175
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M4Y
geo2021A0011M4Ystat1 geo2021A0011M4Ystat1gen1" title="2021A0011M4Y - Bachelor's
degree or higher - Counts - Total"> 20,815</td>
Processing value('Bachelor's degree or higher): 20,815
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M5A
geo2021A0011M5Astat1 geo2021A0011M5Astat1gen1" title="2021A0011M5A - Bachelor's
degree or higher - Counts - Total"> 21,690</td>
Processing value('Bachelor's degree or higher): 21,690
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M5B
geo2021A0011M5Bstat1 geo2021A0011M5Bstat1gen1" title="2021A0011M5B - Bachelor's
degree or higher - Counts - Total"> 9,925</td>
Processing value('Bachelor's degree or higher): 9,925
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M5C
geo2021A0011M5Cstat1 geo2021A0011M5Cstat1gen1" title="2021A0011M5C - Bachelor's
degree or higher - Counts - Total"> 1,770</td>
Processing value('Bachelor's degree or higher): 1,770
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M5E
geo2021A0011M5Estat1 geo2021A0011M5Estat1gen1" title="2021A0011M5E - Bachelor's
degree or higher - Counts - Total"> 8,005</td>
Processing value('Bachelor's degree or higher): 8,005
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M5G
geo2021A0011M5Gstat1 geo2021A0011M5Gstat1gen1" title="2021A0011M5G - Bachelor's
degree or higher - Counts - Total"> 6,220</td>
Processing value('Bachelor's degree or higher): 6,220
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M5H
geo2021A0011M5Hstat1 geo2021A0011M5Hstat1gen1" title="2021A0011M5H - Bachelor's
degree or higher - Counts - Total"> 2,270</td>
Processing value('Bachelor's degree or higher): 2,270
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M5J
geo2021A0011M5Jstat1 geo2021A0011M5Jstat1gen1" title="2021A0011M5J - Bachelor's
degree or higher - Counts - Total"> 11,410</td>
Processing value('Bachelor's degree or higher): 11,410
Number of tables found: 0
No tables starts with this postal code: [https://www12.statcan.gc.ca/census-
recensement/2021/dp-
pd/prof/details/page.cfm?Lang=E&SearchText=M5K&DGUIDlist=2021A0011M5K](https://www12.statcan.gc.ca/census-recensement/2021/dp-pd/prof/details/page.cfm?Lang=E&SearchText=M5K&DGUIDlist=2021A0011M5K).
Skipping..
Processing value('Bachelor's degree or higher): 11,410

Number of tables found: 0
No tables starts with this postal code: <https://www12.statcan.gc.ca/census-recensement/2021/dp-pd/prof/details/page.cfm?Lang=E&SearchText=M5L&DGUIDlist=2021A0011M5L>.
Skipping...

Processing value('Bachelor's degree or higher): 11,410
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M5M geo2021A0011M5Mstat1 geo2021A0011M5Mstat1gen1" title="2021A0011M5M - Bachelor's degree or higher - Counts - Total"> 12,470</td>
Processing value('Bachelor's degree or higher): 12,470
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M5N geo2021A0011M5Nstat1 geo2021A0011M5Nstat1gen1" title="2021A0011M5N - Bachelor's degree or higher - Counts - Total"> 7,380</td>
Processing value('Bachelor's degree or higher): 7,380
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M5P geo2021A0011M5Pstat1 geo2021A0011M5Pstat1gen1" title="2021A0011M5P - Bachelor's degree or higher - Counts - Total"> 10,595</td>
Processing value('Bachelor's degree or higher): 10,595
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M5R geo2021A0011M5Rstat1 geo2021A0011M5Rstat1gen1" title="2021A0011M5R - Bachelor's degree or higher - Counts - Total"> 14,920</td>
Processing value('Bachelor's degree or higher): 14,920
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M5S geo2021A0011M5Sstat1 geo2021A0011M5Sstat1gen1" title="2021A0011M5S - Bachelor's degree or higher - Counts - Total"> 9,500</td>
Processing value('Bachelor's degree or higher): 9,500
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M5T geo2021A0011M5Tstat1 geo2021A0011M5Tstat1gen1" title="2021A0011M5T - Bachelor's degree or higher - Counts - Total"> 7,275</td>
Processing value('Bachelor's degree or higher): 7,275
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M5V geo2021A0011M5Vstat1 geo2021A0011M5Vstat1gen1" title="2021A0011M5V - Bachelor's degree or higher - Counts - Total"> 39,245</td>
Processing value('Bachelor's degree or higher): 39,245
Number of tables found: 0
No tables starts with this postal code: <https://www12.statcan.gc.ca/census-recensement/2021/dp-pd/prof/details/page.cfm?Lang=E&SearchText=M5W&DGUIDlist=2021A0011M5W>.
Skipping...

Processing value('Bachelor's degree or higher): 39,245
Number of tables found: 0

No tables starts with this postal code: [https://www12.statcan.gc.ca/census-](https://www12.statcan.gc.ca/census-recensement/2021/dp-)

[recensement/2021/dp-](https://www12.statcan.gc.ca/census-recensement/2021/dp-)

[pd/prof/details/page.cfm?Lang=E&SearchText=M5X&DGUIDlist=2021A0011M5X.](https://www12.statcan.gc.ca/census-recensement/2021/dp-)

Skipping..

Processing value('Bachelor's degree or higher): 39,245

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M6A geo2021A0011M6Astat1 geo2021A0011M6Astat1gen1" title="2021A0011M6A - Bachelor's degree or higher - Counts - Total"> 6,430</td>

Processing value('Bachelor's degree or higher): 6,430

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M6B geo2021A0011M6Bstat1 geo2021A0011M6Bstat1gen1" title="2021A0011M6B - Bachelor's degree or higher - Counts - Total"> 8,685</td>

Processing value('Bachelor's degree or higher): 8,685

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M6C geo2021A0011M6Cstat1 geo2021A0011M6Cstat1gen1" title="2021A0011M6C - Bachelor's degree or higher - Counts - Total"> 10,060</td>

Processing value('Bachelor's degree or higher): 10,060

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M6E geo2021A0011M6Estat1 geo2021A0011M6Estat1gen1" title="2021A0011M6E - Bachelor's degree or higher - Counts - Total"> 8,710</td>

Processing value('Bachelor's degree or higher): 8,710

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M6G geo2021A0011M6Gstat1 geo2021A0011M6Gstat1gen1" title="2021A0011M6G - Bachelor's degree or higher - Counts - Total"> 13,140</td>

Processing value('Bachelor's degree or higher): 13,140

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M6H geo2021A0011M6Hstat1 geo2021A0011M6Hstat1gen1" title="2021A0011M6H - Bachelor's degree or higher - Counts - Total"> 15,515</td>

Processing value('Bachelor's degree or higher): 15,515

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M6J geo2021A0011M6Jstat1 geo2021A0011M6Jstat1gen1" title="2021A0011M6J - Bachelor's degree or higher - Counts - Total"> 14,095</td>

Processing value('Bachelor's degree or higher): 14,095

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M6K geo2021A0011M6Kstat1 geo2021A0011M6Kstat1gen1" title="2021A0011M6K - Bachelor's degree or higher - Counts - Total"> 17,215</td>

Processing value('Bachelor's degree or higher): 17,215

Number of tables found: 1

<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M6L geo2021A0011M6Lstat1 geo2021A0011M6Lstat1gen1" title="2021A0011M6L - Bachelor's

degree or higher - Counts - Total"> 3,120</td>
Processing value('Bachelor's degree or higher): 3,120
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M6M
geo2021A0011M6Mstat1 geo2021A0011M6Mstat1gen1" title="2021A0011M6M - Bachelor's
degree or higher - Counts - Total"> 5,825</td>
Processing value('Bachelor's degree or higher): 5,825
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M6N
geo2021A0011M6Nstat1 geo2021A0011M6Nstat1gen1" title="2021A0011M6N - Bachelor's
degree or higher - Counts - Total"> 7,190</td>
Processing value('Bachelor's degree or higher): 7,190
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M6P
geo2021A0011M6Pstat1 geo2021A0011M6Pstat1gen1" title="2021A0011M6P - Bachelor's
degree or higher - Counts - Total"> 18,145</td>
Processing value('Bachelor's degree or higher): 18,145
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M6R
geo2021A0011M6Rstat1 geo2021A0011M6Rstat1gen1" title="2021A0011M6R - Bachelor's
degree or higher - Counts - Total"> 9,135</td>
Processing value('Bachelor's degree or higher): 9,135
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M6S
geo2021A0011M6Sstat1 geo2021A0011M6Sstat1gen1" title="2021A0011M6S - Bachelor's
degree or higher - Counts - Total"> 15,230</td>
Processing value('Bachelor's degree or higher): 15,230
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M7A
geo2021A0011M7Astat1 geo2021A0011M7Astat1gen1" title="2021A0011M7A - Bachelor's
degree or higher - Counts - Total"><abbr title="suppressed to meet the
confidentiality requirements of the Statistics Act">x</abbr></td>
Processing value('Bachelor's degree or higher): x
Non-numeric value encountered: x. Assigning default value 0.
Number of tables found: 0
No tables starts with this postal code: <https://www12.statcan.gc.ca/census-recensement/2021/dp-pd/prof/details/page.cfm?Lang=E&SearchText=M7R&DGUIDlist=2021A0011M7R>.
Skipping..
Processing value('Bachelor's degree or higher): x
Non-numeric value encountered: x. Assigning default value 0.
Number of tables found: 0
No tables starts with this postal code: <https://www12.statcan.gc.ca/census-recensement/2021/dp-pd/prof/details/page.cfm?Lang=E&SearchText=M7Y&DGUIDlist=2021A0011M7Y>.
Skipping..
Processing value('Bachelor's degree or higher): x
Non-numeric value encountered: x. Assigning default value 0.

Number of tables found: 1
<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M8V
geo2021A0011M8Vstat1 geo2021A0011M8Vstat1gen1" title="2021A0011M8V - Bachelor's
degree or higher - Counts - Total"> 17,070</td>
Processing value('Bachelor's degree or higher): 17,070
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M8W
geo2021A0011M8Wstat1 geo2021A0011M8Wstat1gen1" title="2021A0011M8W - Bachelor's
degree or higher - Counts - Total"> 6,660</td>
Processing value('Bachelor's degree or higher): 6,660
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M8X
geo2021A0011M8Xstat1 geo2021A0011M8Xstat1gen1" title="2021A0011M8X - Bachelor's
degree or higher - Counts - Total"> 5,475</td>
Processing value('Bachelor's degree or higher): 5,475
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M8Y
geo2021A0011M8Ystat1 geo2021A0011M8Ystat1gen1" title="2021A0011M8Y - Bachelor's
degree or higher - Counts - Total"> 8,435</td>
Processing value('Bachelor's degree or higher): 8,435
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M8Z
geo2021A0011M8Zstat1 geo2021A0011M8Zstat1gen1" title="2021A0011M8Z - Bachelor's
degree or higher - Counts - Total"> 6,870</td>
Processing value('Bachelor's degree or higher): 6,870
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M9A
geo2021A0011M9Astat1 geo2021A0011M9Astat1gen1" title="2021A0011M9A - Bachelor's
degree or higher - Counts - Total"> 14,425</td>
Processing value('Bachelor's degree or higher): 14,425
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M9B
geo2021A0011M9Bstat1 geo2021A0011M9Bstat1gen1" title="2021A0011M9B - Bachelor's
degree or higher - Counts - Total"> 12,120</td>
Processing value('Bachelor's degree or higher): 12,120
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M9C
geo2021A0011M9Cstat1 geo2021A0011M9Cstat1gen1" title="2021A0011M9C - Bachelor's
degree or higher - Counts - Total"> 11,905</td>
Processing value('Bachelor's degree or higher): 11,905
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M9L
geo2021A0011M9Lstat1 geo2021A0011M9Lstat1gen1" title="2021A0011M9L - Bachelor's
degree or higher - Counts - Total"> 1,960</td>
Processing value('Bachelor's degree or higher): 1,960
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M9M
geo2021A0011M9Mstat1 geo2021A0011M9Mstat1gen1" title="2021A0011M9M - Bachelor's

```

degree or higher - Counts - Total"> 4,210</td>
Processing value('Bachelor's degree or higher): 4,210
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M9N
geo2021A0011M9Nstat1 geo2021A0011M9Nstat1gen1" title="2021A0011M9N - Bachelor's
degree or higher - Counts - Total"> 4,015</td>
Processing value('Bachelor's degree or higher): 4,015
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M9P
geo2021A0011M9Pstat1 geo2021A0011M9Pstat1gen1" title="2021A0011M9P - Bachelor's
degree or higher - Counts - Total"> 5,210</td>
Processing value('Bachelor's degree or higher): 5,210
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M9R
geo2021A0011M9Rstat1 geo2021A0011M9Rstat1gen1" title="2021A0011M9R - Bachelor's
degree or higher - Counts - Total"> 7,610</td>
Processing value('Bachelor's degree or higher): 7,610
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M9V
geo2021A0011M9Vstat1 geo2021A0011M9Vstat1gen1" title="2021A0011M9V - Bachelor's
degree or higher - Counts - Total"> 9,715</td>
Processing value('Bachelor's degree or higher): 9,715
Number of tables found: 1
<td class="text-right text-nowrap" headers="rh37 r2008 geo2021A0011M9W
geo2021A0011M9Wstat1 geo2021A0011M9Wstat1gen1" title="2021A0011M9W - Bachelor's
degree or higher - Counts - Total"> 8,315</td>
Processing value('Bachelor's degree or higher): 8,315

```

```

[16]: df.head()
dfSort = df.sort_values(by = 'value', ascending = False)
dfSort
unique_df = dfSort.drop_duplicates(subset=["postal_code"], keep="first")# drop
↳the duplicate postal code
unique_df

```

```

[16]:  postal_code                                data  value
90      M8X  2021A0011M8X - Median after-tax income in 2020... 56800.0
56      M5E  2021A0011M5E - Median after-tax income in 2020... 56800.0
48      M4T  2021A0011M4T - Median after-tax income in 2020... 56400.0
44      M4N  2021A0011M4N - Median after-tax income in 2020... 54400.0
68      M5V  2021A0011M5V - Median after-tax income in 2020... 54000.0
..      ...
14      M1V  2021A0011M1V - Median after-tax income in 2020... 27400.0
39      M4H  2021A0011M4H - Median after-tax income in 2020... 27000.0
87      M7Y  2021A0011M7A - Median after-tax income in 2020... 0.0
86      M7R  2021A0011M7A - Median after-tax income in 2020... 0.0
85      M7A  2021A0011M7A - Median after-tax income in 2020... 0.0

```

[103 rows x 3 columns]

```
[17]: df1.head()
dfSort1 = df1.sort_values(by = 'value', ascending = False)
dfSort1
unique_df1 = dfSort1.drop_duplicates(subset=["postal_code"], keep="first")#_
↳drop the duplicate postal code
unique_df1
```

```
[17]:
```

	postal_code		data	value
22	M2N	2021A0011M2N - Bachelor's degree or higher - C...		39350.0
68	M5V	2021A0011M5V - Bachelor's degree or higher - C...		39245.0
69	M5W	2021A0011M5V - Bachelor's degree or higher - C...		39245.0
70	M5X	2021A0011M5V - Bachelor's degree or higher - C...		39245.0
18	M2J	2021A0011M2J - Bachelor's degree or higher - C...		24985.0
..
96	M9L	2021A0011M9L - Bachelor's degree or higher - C...		1960.0
55	M5C	2021A0011M5C - Bachelor's degree or higher - C...		1770.0
87	M7Y	2021A0011M7A - Bachelor's degree or higher - C...		0.0
86	M7R	2021A0011M7A - Bachelor's degree or higher - C...		0.0
85	M7A	2021A0011M7A - Bachelor's degree or higher - C...		0.0

[103 rows x 3 columns]

```
[19]: # Now you can export this to a CSV file for further analysis or visulization
unique_df.to_csv('after tax income sorted value.csv')
unique_df1.to_csv('bachelors degress.csv')
```

```
[ ]:
```

```
[ ]:
```