

Beyond 20/20

An Introduction

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What is Beyond 20/20

- Software that enables:
 - Data display from different perspectives
 - Extract data
 - Manipulate and Present data accordingly to needs
 - Changing the Frequency of the Displayed Data *
 - Creating Percentage Distributions *
 - Performing Calculations *
 - Charting and Mapping Data
 - Saving in different formats

Please note: Beyond 20/20 does not run in a Mac environment.

* These functions will not be presented in this short guide. For more information see *Beyond 20/20 QuickStart Guide*.

Beyond 20/20 Concepts

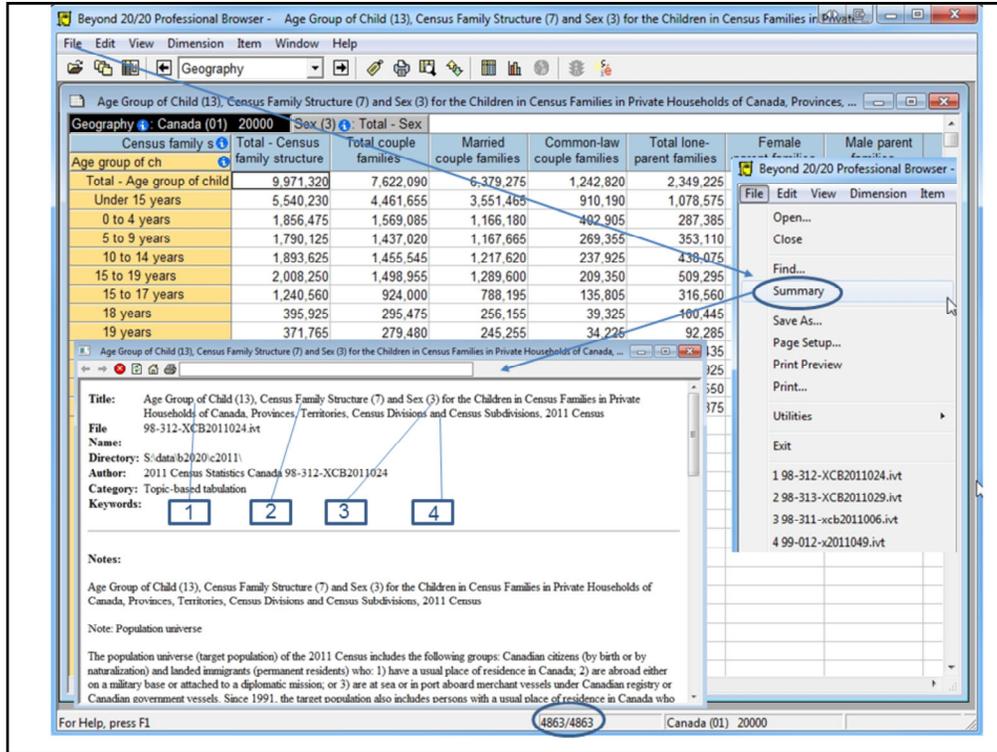
Derived from the *QuickStart Guide*

- A **table** is an integrated presentation of multi-dimensional data and descriptive text. Tables are composed of descriptive components, dimension field information and data values.
- A **dimension** describes an attribute of the table data, such as Profile or Geography. Beyond 20/20 tables can have up to ten dimensions.
- An **item** is an element of a dimension; for example, **Canada** is an item of the Geography dimension, and **Population, 2006** an item of the Profile dimension.
- A **label** is a title or display heading of an item.

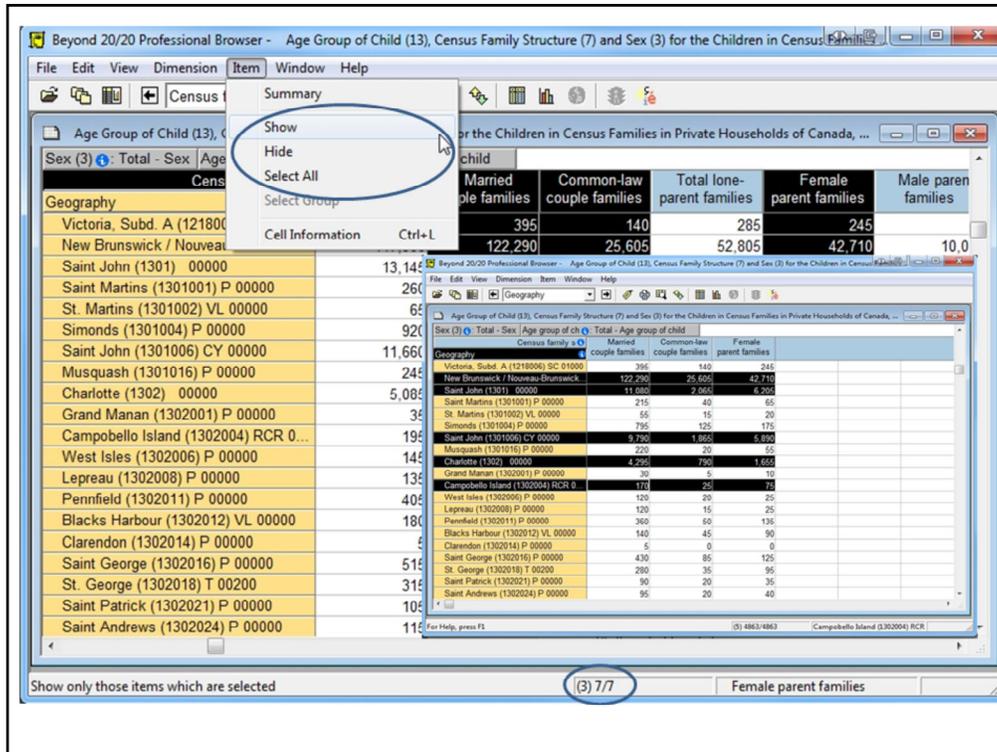
1. Beyond 20/20 term: dimension → Statistics Canada term: variables
2. Beyond 20/20 term: items → Statistics Canada term: values
3. Label of an item of the geography dimension can be a detailed description, “Canada” or “New Brunswick,” or the corresponding Standard Geographical Classification Code, “01” or “13.”

Components and Basic Functionalities of a B20/20 Table

- Table Summary
- Program Functions and Tools
- Selecting Only Data of Interest



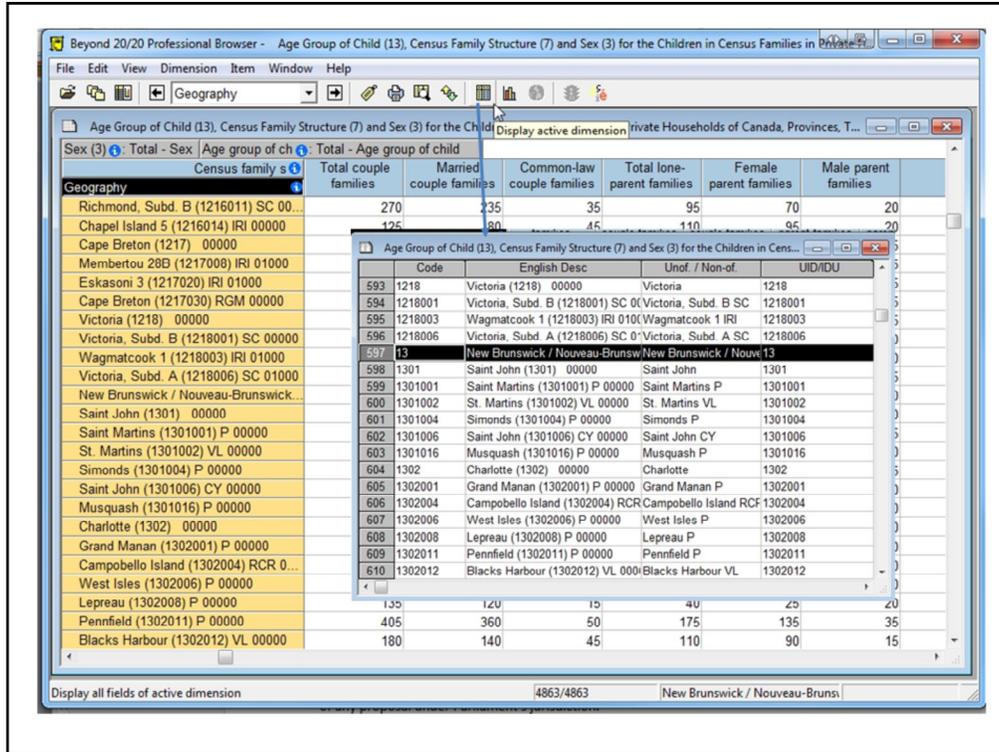
1. Beyond 20/20 allows you to view and manipulate more complex tables as well (up to 10 dimensions), as with this example of a topic based tabulation.
2. From the **File** drop-down menu you can view the summary of a table. In this table, you will note that there are 4 dimensions including Geography. Of particular note is the number of items (4 863) within the Geography dimension.
3. If you will be working with dimensions containing many items, you might want to create a **profile** to use at a later time. A profile allows you to select a pre-defined set of items from a larger list as long as the dimensions and items match.



1. As with most computer programs you may use the Shift key to select contiguous items and the Ctrl key to select non-contiguous items as you desire.
2. Click **Item** from drop-down menu (or right-click) and choose **Show** to keep selected items (and to hide others).
3. Note that a **counter** indicates the number of selected items.

Searching and Presenting Data

- Searching for Items Along a Dimension
- Sorting Data
- Creating and Using a Profile
- Nesting Dimensions
- Exporting Table



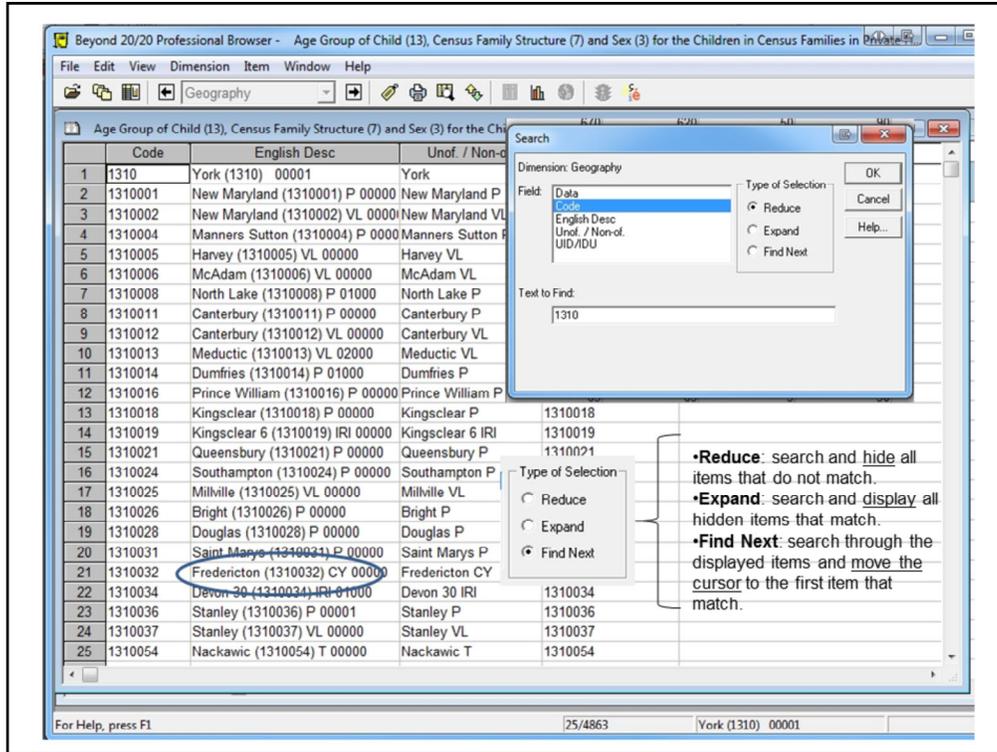
A useful option is using the “**Display Active Dimension**” to the display the values of items in a dimension.

The screenshot shows the Beyond 20/20 Professional Browser interface. The main window displays a data table with the following columns: Geography, Census family s, Total couple families, Married couple families, Common-law couple families, Total lone-parent families, Female parent families, and Male parent families. A search dialog box is open over the table, with the following details:

- Dimension: Geography
- Field: Data
- Type of Selection: Reduce, Expand, Find Next
- Data Range: Minimum: [], Maximum: []

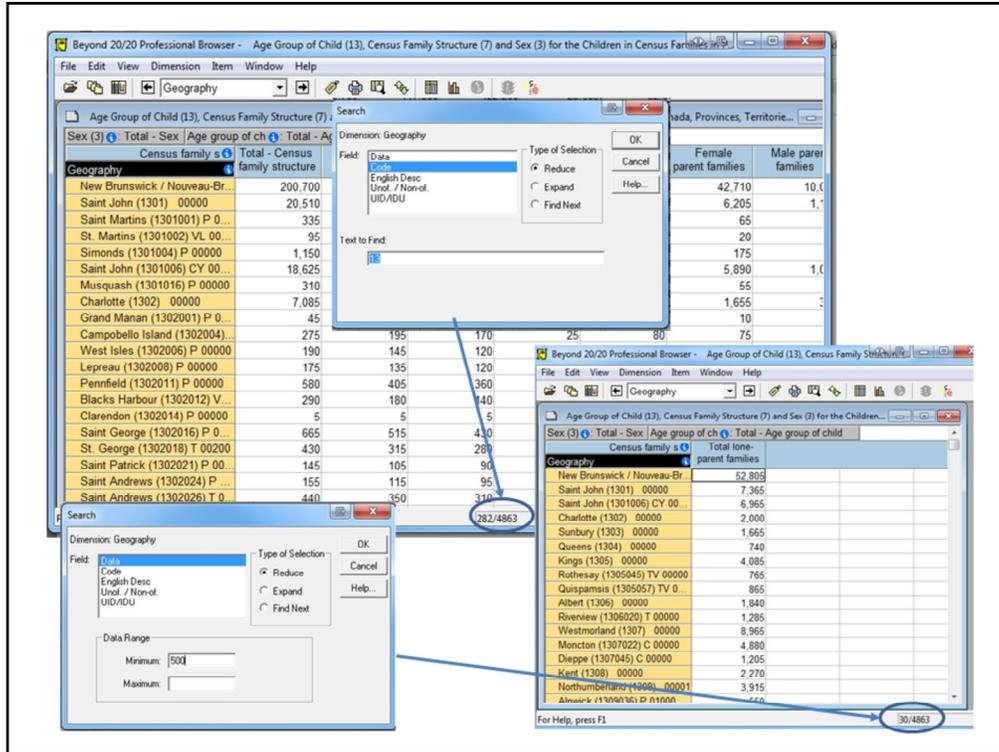
Geography	Census family s	Total couple families	Married couple families	Common-law couple families	Total lone-parent families	Female parent families	Male parent families
Richmond, Subd. B (1216011) SC 00...		270	235	35	95	70	20
Chapel Island 5 (1216014) IRI 00000		225	80	45	110	95	20
Cape Breton (1217) 00000						10,085	1,825
Membertou 28B (1217008) IRI 01000						165	25
Eskasoni 3 (1217020) IRI 01000						785	175
Cape Breton (1217030) RGM 00000						9,140	1,625
Victoria (1218) 00000						525	145
Victoria, Subd. B (1218001) SC 0000						170	60
Wagmatcook 1 (1218003) IRI 01000						115	50
Victoria, Subd. A (1218006) SC 0100						245	35
New Brunswick / Nouveau-Brunswick						42,710	10,090
Saint John (1301) 00000						6,205	1,160
Saint Martins (1301001) P 00000						65	15
St. Martins (1301002) VL 00000						20	0
Simonds (1301004) P 00000						175	55
Saint John (1301006) CY 00000						5,890	1,080
Musquash (1301016) P 00000						55	10
Charlotte (1302) 00000		5,085	4,295	790	2,000	1,655	340
Grand Manan (1302001) P 00000		35	30	5	5	10	0
Campobello Island (1302004) RCR 0...		195	170	25	80	75	10
West Isles (1302006) P 00000		145	120	20	45	25	20
Lepreau (1302008) P 00000		135	120	15	40	25	20
Pennfield (1302011) P 00000		405	360	50	175	135	35
Blacks Harbour (1302012) VL 00000		180	140	45	110	90	15

Once you know the dimension characteristics you may search for items within the active dimension by using the “**Search**” button in the toolbar.

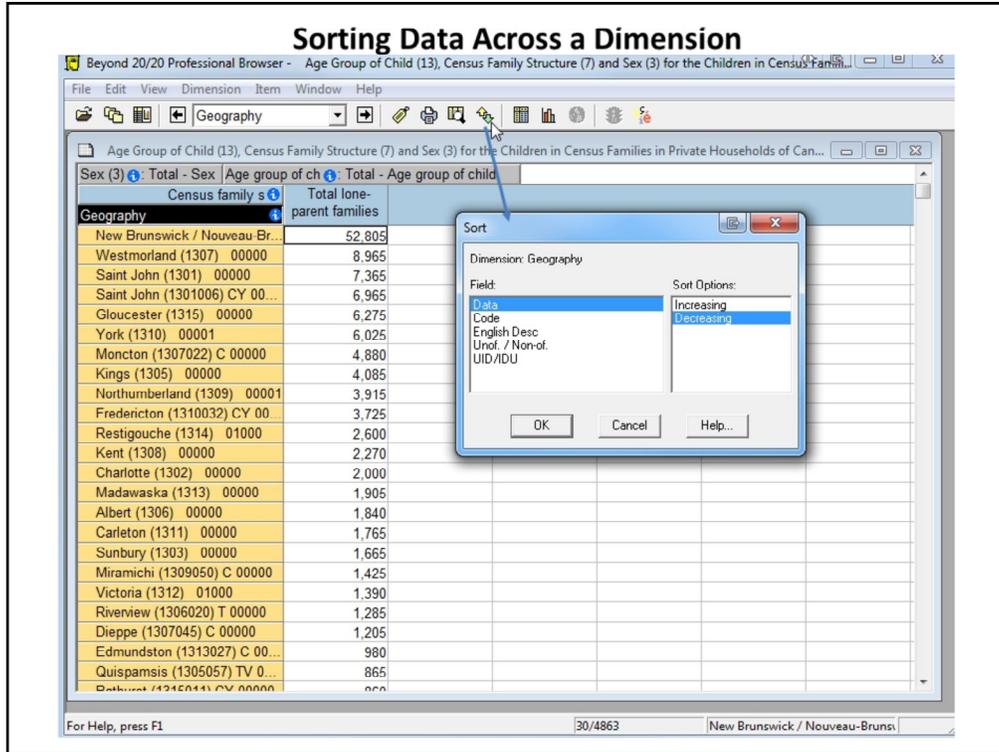


1. By displaying the active dimension it is easier to see what fields are able to be searched.
2. If you enter “Fredericton” in the “English Description” of the “Search” dialogue box (using the “Find Next” radio button) you will be taken directly to the next instance of the word. As you would expect, you will see that the census subdivision “Fredericton” (1310032) falls within its corresponding census division, “York” (1310).
3. A different search of the “Code” 1310 (using the “Reduce” radio button) will isolate only those items which contain this code. Caution: double-check the resulting values. You might end up with unexpected results of your search string is contained within another item label.

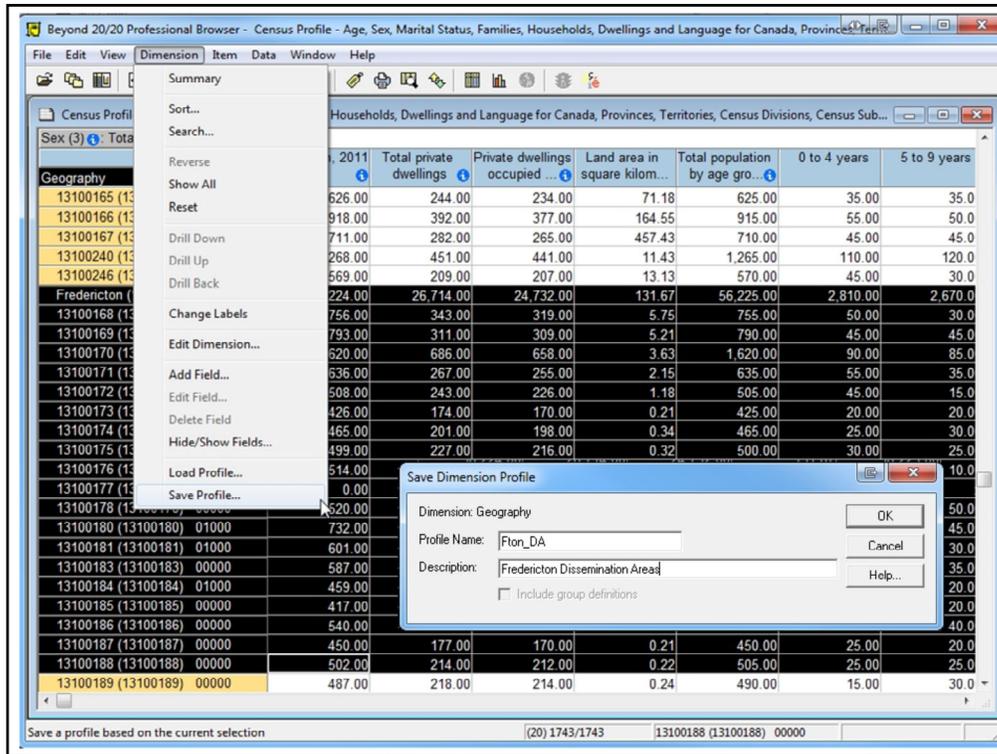
**Note that you must include accents when searching French names



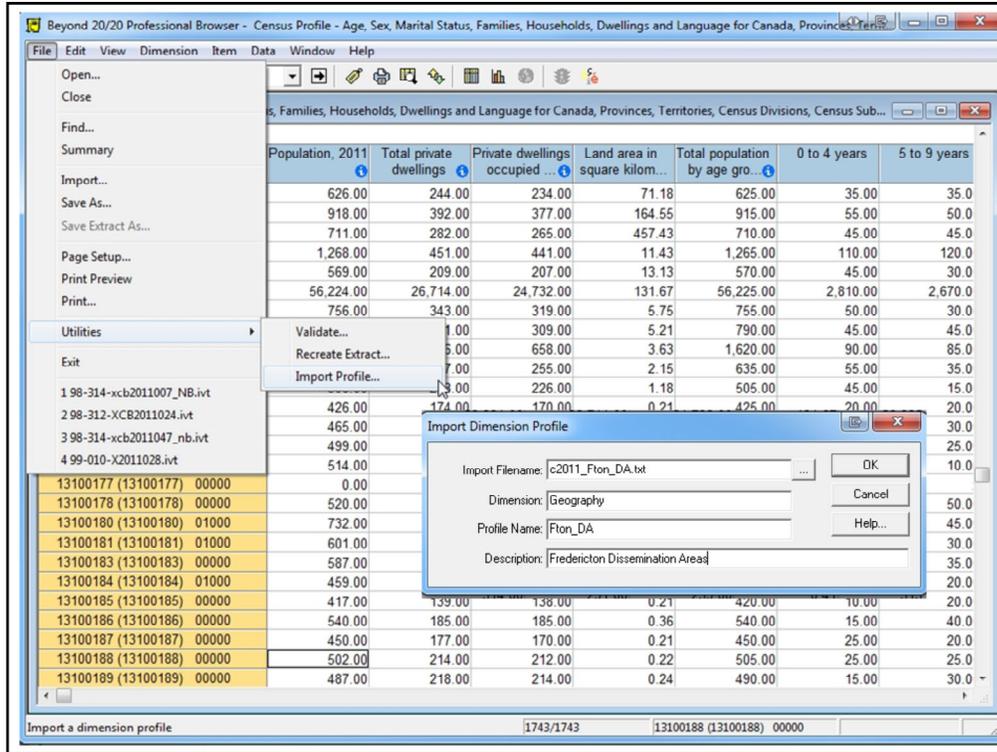
1. In this example the initial search is performed on all items within the “Geography” dimension.
 2. A “Reduce” search for “13” within the “Code” field yields a New Brunswick subset containing 282 items (after removing any items which did not start with 13).
 3. A search within the “Data” field of the “Geography” dimension allows you to isolate the census subdivisions with a lone parent families of greater than 500 (result: 30).
- ** Note that in order for this search to be effective, you must hide all items which are not to be searched. In this case, “Show” the “Female parent families” field, but remember to search within the “Geography” dimension.



1. Make the dimension active by clicking on the appropriate dimension tile.
2. Click the Sort button on the toolbar



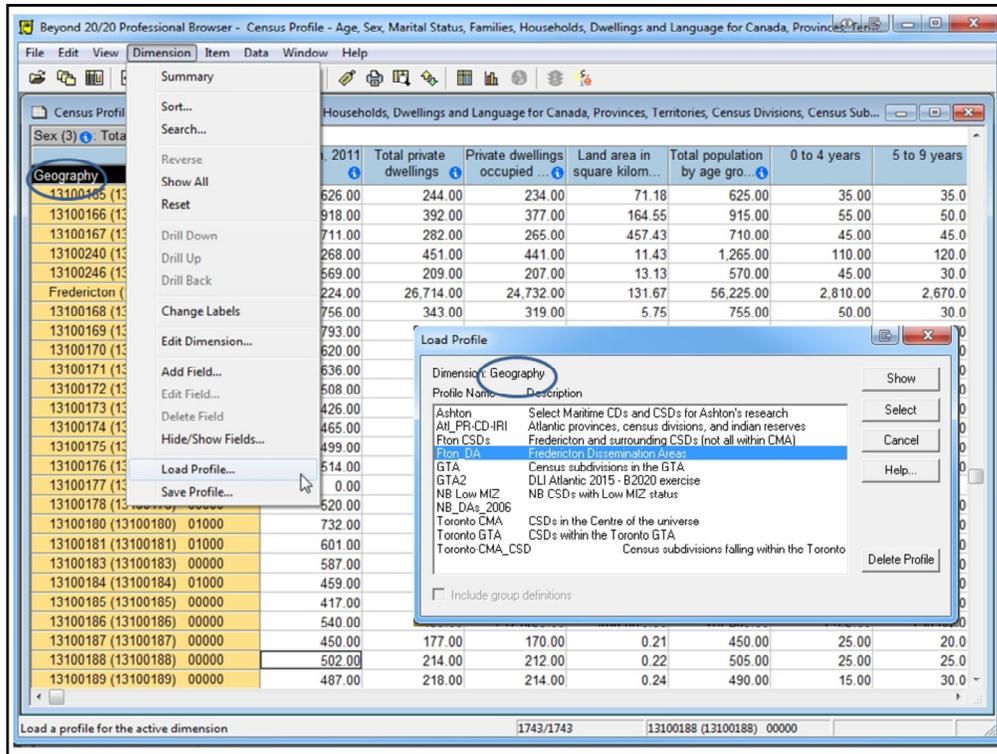
1. In cases where you wish to use the same set of selected items repeatedly, you might want to create or import a **profile**.
2. To create a profile using Beyond 20/20 select the items of interest within a dimension, click on the **Dimension** drop-down menu and choose **Save Profile**. **Profile Name** is a mandatory field, but **Description** is optional.



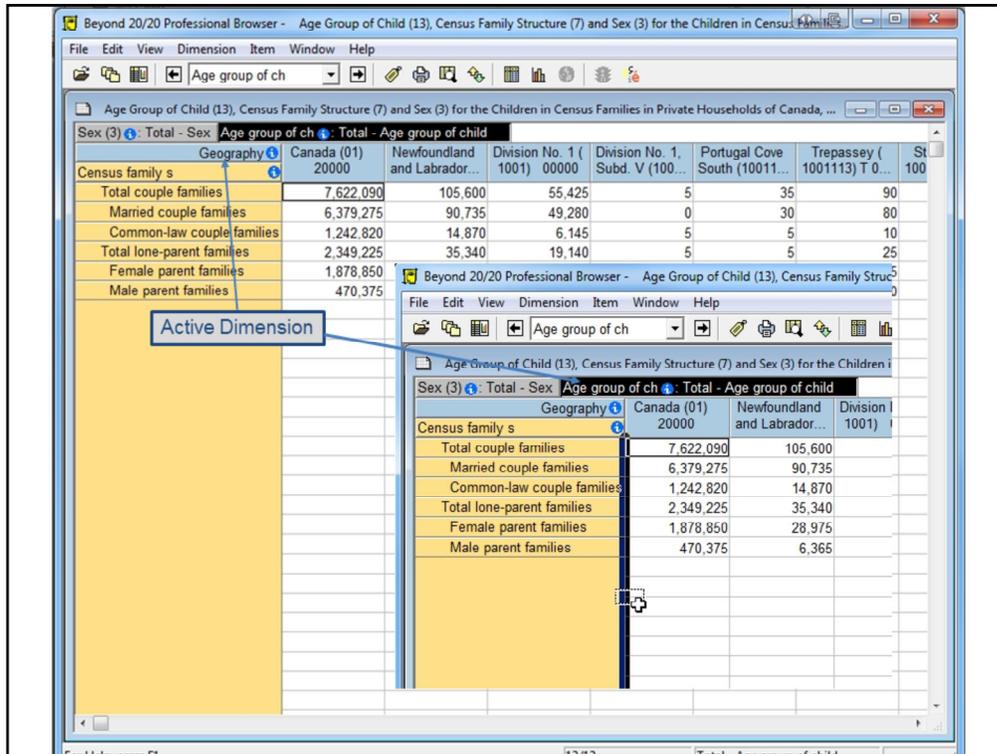
1. To import a profile you have created from a program other than Beyond 20/20 (such as GeoSuite), you will need to have saved a text file with each item on a separate line.
2. As usual, open Beyond 20/20, but from the **File** drop-down menu choose **Utilities**, then **Import Profile**.

A dialogue box will appear asking for information:

1. **Import Filename:** whatever you called the txt file you saved previously
2. **Dimension:** what dimension you intend to match
3. **Profile Name:** what you will use to call it forth later
4. **Description:** this is optional, but can be very useful if you use oblique or short profile names



1. To use a profile you have saved make the dimension you want active, go to the **Dimension** drop-down menu and choose **Load Profile**
2. You will see a list of saved profiles *which pertain to the active dimension*
3. You may load multiple profiles during a Beyond 20/20 session; however, only one profile per dimension at a time.
4. If you do not see a saved profile, make sure the dimension you want is active. The listed profiles are linked to the active dimension.



1. Once a table is opened, you can browse through the **Items** in any **Dimension** (note presence of corresponding drop-down menus). In this example we have a table with four dimensions: “Geography,” “Sex,” “Age Group of Children,” and “Census Family Structure”
2. A **Highlighted Tile** indicates an **Active Dimension**.
3. Here geography appears in columns and family structure along rows, but it is possible to **switch table dimensions** and even **nest dimensions**, to show items in relation to each other.
4. You can switch dimensions by dragging and dropping **Dimension Tile** with the mouse cursor, one at a time.

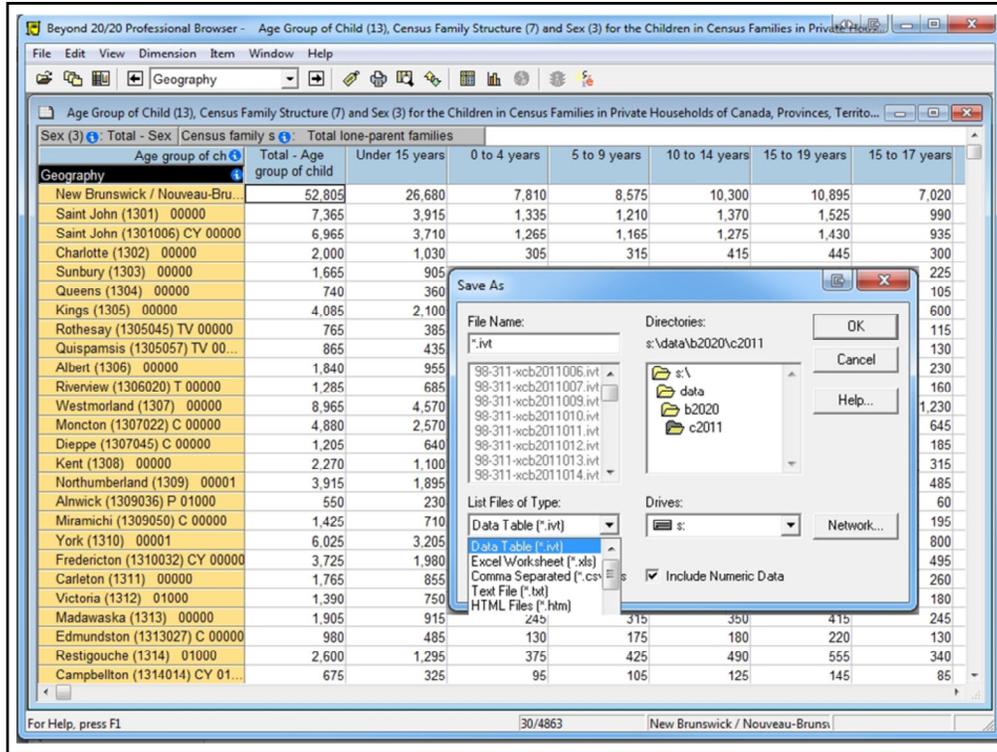
Age Group of Child (13), Census Family Structure (7) and Sex (3) for the Children in Census Families in Private Household of Canada, Provinces, Territories, Census Divisions and C...

Sex (3) Total - Sex

Geography		Canada (01) 20000	Newfoundland and Labrador...	Division No. 1 (1001) 00000	Division No. 1, Subd. V (100...	Portugal Cove South (10011...	Trepassey (1001113) T O...	St 100
Census family s	Total - Age group of child	7,622,090	105,600	55,425	5	35	90	
	Under 15 years	4,461,655	58,140	30,455	5	10	25	
	0 to 4 years	1,569,085	18,545	10,415	0	0	5	
	5 to 9 years	1,437,020	19,145	9,990	0	0	5	
	10 to 14 years	1,455,545	20,450	10,050	5	10	15	
	15 to 19 years	1,498,955	21,070	10,270	5	10	30	
	Total couple families	15 to 17 years	924,000	12,860	6,165	0	10	25
		18 years	295,475	4,250	2,100	0	5	5
		19 years	279,480	3,955	2,005	0	5	5
		20 to 24 years	985,120	14,445	8,210	0	10	20
		25 years and over	676,360	11,950	6,495	0	0	15
		25 to 29 years	377,715	5,730	3,480	0	5	5
		30 years and over	298,650	6,215	3,020	0	0	10
	Married couple families	Total - Age group of child	6,379,275	90,735	49,280	0	30	80
Under 15 years		3,551,465	45,800	24,200	0	5	20	
0 to 4 years		1,166,180	15,000	8,000	0	0	0	
5 to 9 years		1,167,665	15,000	8,000	0	0	5	
10 to 14 years		1,217,620	15,000	8,000	0	5	10	
15 to 19 years		1,289,600	15,000	8,000	0	15	30	
15 to 17 years		788,195	10,000	5,000	0	5	20	
18 years		256,155	3,805	1,910	0	5	5	
19 years		245,255	3,575	1,825	0	0	5	
20 to 24 years		894,960	13,350	7,725	0	10	20	
25 years and over		643,245	11,470	6,260	0	5	15	
25 to 29 years		356,250	5,425	3,325	0	5	5	
30 years and over		286,990	6,040	2,935	0	5	10	
Common-law couple families		Total - Age group of child	1,242,820	14,870	6,145	5	5	10

For Help, press F1 | 4863/4863 | Canada (01) 20000

1. With the left mouse button depressed, slowly drag (the mouse cursor becomes a dotted rectangle) the desired dimension tile (Units) from the Dimension bar to the top of bottom edge of the column labels, or the right of left edge of the row labels, until a thick line or highlight appears.
2. Release the mouse button.



1. Once the table dimensions and items have been adjusted to reflect your research needs, you can save the table in many formats.
2. For later use, you may save the table in its native ivt format, but if you wish to use the information in another program you may save the table in other formats.
3. Caution: some file formats truncate long names, so it is wise to pay attention to your labels.
4. If you plan to use your statistics with GIS software, it is prudent to ensure that you have the Geography dimension displaying in rows and your labels showing numbers only.