Calgary Data Consortium, Workshop:

Calgary's / Alberta's Indigenous population: data sources and resources

September 20, 2016

EXERCISE #1: What proportion of Aboriginal households in Calgary are in Core Housing Need compared to Edmonton?

STEP 1. Download the data and open the file

- a) Type communitydata.ca into your browser, and log in.
- b) Click the **Find Data** tab at the top.
- c) Scroll through the list in the **Data Group** filter, and select the **Core Housing Need**. Click search.
- d) Click on the result that is returned (there should only be one).



e) On the next screen, select PT CD CSD DA under Geographies. Click Add to cart.



- f) On the Shopping Cart page, click <u>Checkout</u>.
- g) On the Checkout page, click Submit order.
- h) On the File downloads page, click on the filename of the Core Housing Need file (it should be at the top of your list of files, unless you have downloaded the same file previously. The filename is <u>sc_nhs-enm_2011_chn-biml_da-ad.zip</u>

i) Save the folder to the desired location on your computer. Navigate to where you saved the file, right click, and select "Extract All..."



j) Inside the extracted folder, there are four Beyond20/20 files. Double-click to open the file which says <u>Rest of Canada</u> at the end of its name – this contains the Alberta geographies.

STEP 2. Explore the file

a) Click on the File menu and then Summary to browse through the metadata associated with this file.

N	Open Close	ta							
	Find Summary	Aboriginal sta	Total - Aboriginal status of hou	Aboriginal household	Non-Aboriginal household				
F	Import		12,462,435.0	503,160.0	11,959,275.0				
•	Save As		64,423.9	60,300.7	64,595.8				
1		ofore taxes (\$)	82,945.0	74,083.0	83,317.0				
£	Page Setup Print Preview	0	1,042.2	1,011.3	1,043.5				
F		a) O	21.9	23.1	21.8				
	Print								
	Utilities	•							
	Exit								

b) Using the drop-down list, note how many different dimensions are in this file (there are eight).

🛎 🗞 📷 💽 Aboriginal sta	- 6	e 🥖 🕀 🖽	🗞 🛅 🛍 🖞	0 8 %	
Seography: Canada Geography	g	st 😗: Total - Need	I criteria Age	groups of (): Tota	al - Age groups of prin
Age groups of Core need stat Household stats CMHC housing st	3	Total - Aboriginal status of hou	Aboriginal household	Non-Aboriginal household	
Private household Tenure (3)		12,462,435.0	503,160.0	11,959,275.0	
Median household Aboriginal sta		64,423.9	60,300.7	64,595.8	
Average household stats	1970	82,945.0	74,083.0	83,317.0	
Average Shelter cost (\$)	0	1,042.2	1,011.3	1,043.5	
Average STIR before taxes (%)	0	21.9	23.1	21.8	

- c) Using the blue "i" logo, read the "Core need stat" dimension summary.
- d) Right click on the "Aboriginal sta" dimension and select "Dimension summary" to read about this dimension

STEP 3: Narrow down your geography(ies) of interest

- a) Select from the drop-down menu or click the heading to make the Geography dimension active.
- b) Click the **Display active dimension** button.

Beyond 20/20 Professional Browser - [F	EO2441 TBL1 (CDC D_Res	tofCAN) - Aboriginal hou	isehold status (3), Age of th
🗋 File Edit View Dimension Item Data	a Window Help 🔻		
🖨 🌇 🖿 Geography 💌 🗩	🥖 🖨 🗳 🍫 🔳 🛍	0 8 1	
	6: Total - Need criteria	active dimension - Age gro	ups of primary household maintair
Aboriginal sta 🕫 To	tal - Aboriginal Aboriginal	Non-Aboriginal	
lousehold stats 🚯 st	tatus of hou household	household	
- D2 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 -	1		

c) Click the <u>Search</u> button at the top. From the list of fields, select <u>English Desc</u>, and ensure <u>Reduce</u> is selected under Type of Selection. In the Text to Find box, type <u>Calgary</u>, and click OK.

	Code English Desc 90 QD 90 QV 90 QV 90 QV 91 QV	 Type of Selection Reduce Expand Find Next 	Cancel Help
ext to Fir	nd: Calgary		

d) Click the Search button again; from the list of fields select English Desc, but this time ensure Expand is selected under Type of Selection. In the Text to Find box, type <u>Edmonton</u>, and click OK. Close the active dimension window using the small "x". You have now reduced the geography dimension to just Calgary and Edmonton.

STEP 4: Manipulate the dimensions

- a) Leave the "Household stats", "Household type", "Tenure (3)", and "CMHC housing st" dimensions docked at the very top (we won't be using these).
- b) Put the "Aboriginal sta" dimension so it runs along the top
- c) Put the "Core need stat" dimension on the left side.
- d) Drag the Geography dimension to the left of where the Core need stat dimension is situated until a blue line appears, then let go.

File Edit View Dimension It	em Data Win	dow Help			File Edit View Dimension Item Data Window H				
🛎 🜇 🔟 💽 Geography		e) 🖪 🐟 👖	1 16 10 1 8	ę.		Image: Section 2018 and a se	old maintainer		Household stats
MHC housing st (): Total - Need criteri	a Geography:	Calgary CY (23	.0%) Age grou	s of G: Total		Aboriginal sta	Total - Aboriginal	Aboriginal	Non-Aboriginal
• •					Geography	Core need stat	status of hou	household	household
Aboriginal sta 🕫	Total - Aboriginal	Aboriginal	Non-Aboriginal			Total - Core need status	402,020.0	14,375.0	387,650.0
Core need stat	status of hou	household	household		Calgary CY (23.0%)	Household in core housing need	42,170.0	2,445.0	39,720.0
Total - Core need status						Household not in core housing need	359,855.0	11,925.0	347,925.0
Total - Core need status	402,020.0	14,375.0	387,650.0			Total - Core need status	306,665.0	19,365.0	287,300.0
Household in core housing need	42,170.0	2.445.0	39,720.0		Edmonton CY (25.8%)	Household in core housing need	40,105.0	5,025.0	35,075.0
Household not in core housing need		11,925.0				Household not in core housing need	266,565.0	14,340.0	252,225.0
industrial instant serve instability instal	359,855.0	11,925.0	347,925.0						

e) Click on the <u>Aboriginal household</u> header, then right-click and select <u>Copy</u>. Even though only the Aboriginal household column is highlighted in black, all the row labels will also copy over.

STEP 5. Copy into Excel and calculate percentages

f) Open a new Excel sheet, and paste the cells. Calculate the proportion of Aboriginal households in core housing need in Calgary and in Edmonton.

EXERCISE #2: How many persons with Aboriginal identity in Calgary know an Aboriginal language?

STEP 1. Download the data and open the file

- a) Type communitydata.ca into your browser, and log in.
- b) Click the Find Data tab at the top.
- c) Scroll through the list in the <u>Data Group</u> filter, and select <u>NHS, 2011 Target Group Profile</u>. Click search.
- d) Scroll through the results until you see the Target group profile of the Aboriginal identity population. (hint: you may have to go to the third page of results).
- e) On the next screen, select PT CD CSD DA under Geographies. Click Add to cart.
- f) On the Shopping Cart page, click Checkout.
- g) On the Checkout page, click Submit order.
- h) Click on the filename on your "File downloads" page and save it to the appropriate place on your computer or network.
- i) Navigate to where you saved the file, and unzip it.
- j) Double click on the Beyond20/20 icon to open the file (there should only be one).

STEP 2. Explore the file

- a) Click on the <u>File</u> menu and then <u>Summary</u> to browse through the metadata associated with this file, then close that window.
- b) Using the drop-down list, note how many different dimensions are in this file (there are two).

STEP 3. Narrow down to your geographies of interest

- a) Make the Geography dimension active by clicking on the header or selecting it in the drop-down menu.
- b) Click the **Display active dimension** button.
- c) Click the <u>Search</u> button at the top. From the list of fields, select <u>English Desc</u>, and ensure <u>Reduce</u> is selected under Type of Selection. In the Text to Find box, type <u>Calgary</u>, and click OK.



STEP 4. Manipulate the dimensions

a) Put the Geography dimension along the top, and the 2011 NHS dimension along the left side.

File Edit View Dimension Item Data Window	v Help			
🛎 🗞 🔝 💽 Geography 💽 💌 🛷 🚷	🖾 🍫	🖩 🛍 🚳	8 🦌	
Geog	yaphy 😒	Calgary CY (23.		
011 NHS	0	0%)		
Total population in private households by citizenship	0	28,905		
Canadian citizens		28,800		
Canadian citizens aged under 18		8,730		
Canadian citizens aged 18 and over		20,070		
Not Canadian citizens	0	105		
Males in private households by citizenship	0	13,965		
Canadian citizens		13,915		
Canadian citizens aged under 18		4,335		
Canadian citizens aged 18 and over		9,575		
Not Canadian citizens	0	50		
Females in private households by citizenship	0	14,945		
Canadian citizens		14,885		
Canadian citizens aged under 18		4,400		
Canadian citizens aged 18 and over		10,490		

- b) With the 2011 NHS dimension active, click the Search button.
- c) Under the Field list, select <u>English Desc</u>. Under Type of Selection, select <u>Find Next</u>. In the Text to Find box, type language.
- d) Click the blue "i" next to Total population in private households by non-official languages spoken.
- e) There are 1,070 Aboriginal identity persons in Calgary who can conduct a conversation in an Aboriginal languages. As a share of the total Aboriginal identity population (28,905), this is 3.7 per cent.

STEP 5. Check CANSIM for complementary data

- a) Type **<u>CANSIM</u>** into your search engine and click on the first result.
- b) Under the Browse CANSIM by header, click Aboriginal peoples.

Statistics Canada		Ca	madä			
Information for Browse by subject	Browse by key resource About StatCan					
forme						
CANSIM	CANSIM					
Help using this page			_			
About CANSIM Today's releases	a Note:					
	Statistics Canada encourages the downloading and reuse or download tab on any CANSTM table. Please note that the hi automated craviers which do not conform to industry best access to our online content will be denied. If you require a	igh volume harvesting of data using data scraping techniqu practices cannot be supported. When such activity is detec	es or			
	Search CANSIM					
	Enter your search terms, CANSIM table or series number(s) All of these					
		Combine series A	dvanced Search			
	Browse CANSIM By					
	Subject Survey					
	Aboriginal peoples	Income, pensions, spending and wealth				
	Agriculture	Information and communications technology				
	Business, consumer and property services	International trade				
	Business performance and ownership	Labour				

- c) Under the "CANSIM by Subject: Aboriginal peoples" heading, click on <u>Languages and cultures (14</u> <u>tables)</u>
- d) Browse through the titles of the available tables. Click on the **Description** link beside Table 576-0009.
- e) On the CANSIM Table summary page, read about the dimensions available in this table. Note that there is a dimension "Self-rated ability to speak and understand an Aboriginal language".
- f) Click the Table 576-0009 number.



g) Click the Add/Remove data tab at the top of the screen. Now select the desired items Under Option 2, "Customize a table view". Under Step 1-Select:Geography, uncheck Canada, and scroll down to select Alberta. Under Step 2-Select: Aboriginal identity, keep the default checked of Total, Aboriginal identity. Also keep the defaults for Step 3 – Age group and Step 4: Sex.

(1 of 13	items selected)	4
	Painte Hubba Hubba Mahdmean Makatamean Ma	
	- Select: Aboriginal identity ²	
	tems selected)	ł
	following checkboxes to select/deselect items from the list below:	I
	Total, Aboriginal identity	1
	First Nations (North American Indian)	1
	First Nations (North American Indian), Registered or Treaty Indian ¹	1
	First Nations (North American Indian), not a Registered or Treaty Indian ¹ Mitia Mitia	1
Sten 2	- Select: Age group 6	ł
	Rems selected)	I
lse the	following checkboxes to select/deselect items from the list below:	1
ALL B		1
6	Total, 6 years and over	1
	🗌 6 to 14 years	1
	15 years and over	1
	15 to 54 years 15 to 34 years	1
	- 17 # 34 Years	1
	- Select: Sex	I
	iems selected)	J
	following checkboxes to select/deselect items from the list below:	1
AL B		1
6	Both sexes	1
	Male Female	1
	L Female	-

 h) Under Step 5, click the checkbox beside "All" to unselect everything. Click the checkboxes beside "Speaks an Aboriginal language, even if only a few words", and scroll down and select "Understands an Aboriginal language, even if only a few words." Under Step 6, select "Number of persons" and "Percent". Click Apply under Step 9.