

# LBST 202

## Labour Research for Social Change: Methods and Approaches

Identifying and finding sources

Shannon Cheng: [Shannon\\_cheng@sfu.ca](mailto:Shannon_cheng@sfu.ca)

Moninder Lalli: [Moninder\\_lalli@sfu.ca](mailto:Moninder_lalli@sfu.ca)

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# Agenda

- Types of sources
- Grey literature
- Evaluating sources
- Policy report vs. Academic Article
- Data and where to find it
  - Statistics Canada
  - Other resources
- Citing data
- Research help/ Contact us!

# Sources

	PRIMARY	SECONDARY	TERTIARY
Definition	Original, firsthand information collected at the time of event.	Adaptations, interpretations, or critiques of primary sources	Compilations of primary and secondary sources on a topic
Examples	Diaries, interviews, newspaper articles at time of event, journal articles	Reviews, biographies, critiques, journal articles, books	Encyclopedias, dictionaries, bibliographies, guides, handbooks, textbooks

# Grey Literature

*...Information produced on all levels of government, academia, business and industry in electronic and print formats not controlled by commercial publishing...*

# Academic article or policy report?

[bit.ly/2y566a4](https://bit.ly/2y566a4)

[bit.ly/2Ns7J6w](https://bit.ly/2Ns7J6w)

[bit.ly/2E1FTyF](https://bit.ly/2E1FTyF)

[bit.ly/2C3G6i6](https://bit.ly/2C3G6i6)

- *What is the structure/ how is the information presented?*
- *Who is the author and what are their credentials?*
- *Who is the intended audience for this article?*
- *Where is it published?*

	Scholarly and peer-reviewed article	Policy report
<b>Type</b>	Formally published (“black & white”)	Grey literature
<b>Purpose</b>	Inform or report on original research and contribute to the scholarly conversation	Issue-driven
<b>Access</b>	Database (sometimes locked), takes time	Website (Free or paid), fast
<b>Author</b>	Academic credentials, institutional/ research affiliation	Affiliation varies (think tanks, government agencies, non-profits, professional associations, research institutes, and other organizations)
<b>Audience</b>	Researchers or scholars	Stakeholders or public
<b>Language</b>	Technical or scholarly language	Clear and simple, may use technical language
<b>Structure</b>	Title, abstract, keywords, intro, literature review, methods, results, conclusion/discussion, references, appendices	Title, table of contents, executive summary, introduction, issue, options, recommendations, conclusion, references, appendices
<b>Citations</b>	Extensive and mostly scholarly	May use a range of sources, but fewer

Sources: Western University. [Western University]. (2012, September 4). *Grey literature tutorial* [Video file]. Retrieved <https://youtu.be/m9-0ZYnCmAl>.

Young, E., & Quinn, L. (2017). An essential guide to writing policy briefs. Retrieved [http://www.icpolicyadvocacy.org/sites/icpa/files/downloads/icpa\\_policy\\_briefs\\_essential\\_guide.pdf](http://www.icpolicyadvocacy.org/sites/icpa/files/downloads/icpa_policy_briefs_essential_guide.pdf)

# Evaluation of sources

- Who: Authority
- What: Content
- Where: Scope
- When: Currency
- Why: Objectivity

The webpage is a conservation site for the Pacific Northwest Tree Octopus. It features a prominent pink octopus illustration on the left. The main header reads "Help Save The ENDANGERED PACIFIC NORTHWEST TREE OCTOPUS From EXTINCTION!". Below the header is a navigation menu with links for "About", "HELP!", "FAQs", "Sightings", "Media", "Activities", and "Links". The main content area is titled "THE PACIFIC NORTHWEST TREE OCTOPUS" and contains several paragraphs of text. A sidebar on the left, titled "CEPHALONEWS", lists recent news items. A photograph of a tree octopus is shown on the right, along with a map of the Pacific Northwest region.

**CEPHALONEWS**

2018-09-28 Octopuses: Given Ecstasy for Science – But Is That Ethical? (NatGeo)  
According to scientists at Johns Hopkins University, when given MDMA, commonly known as Ecstasy, California two-spot octopuses react in much the same way as humans, leading them (the human researchers) to conclude that our brains and octopus brains are wired the same for certain social behaviors. But was it okay to give unsuspecting octopuses a mood-altering drug?

2018-08-09 Another Clubhook Squid Washes Up On Oregon Coast (KOIN)  
Clubhook squids (*Onychia robusta*) can reach a total length of 12 feet. According to the Seattle Aquarium, it's about 9 feet in length and a male. The beak was already gone, but a few tissue samples were taken and will be sent to Alaska to further study the diet of sperm whales. This is the second clubhook squid that has

**Help Save The ENDANGERED PACIFIC NORTHWEST TREE OCTOPUS From EXTINCTION!**

About | HELP! | FAQs | Sightings | Media | Activities | Links

**THE PACIFIC NORTHWEST TREE OCTOPUS**

The Pacific Northwest tree octopus (*Octopus paxarbolis*) can be found in the temperate rainforests of the Olympic Peninsula on the west coast of North America. Their habitat lies on the Eastern side of the Olympic mountain range, adjacent to Hood Canal. These solitary cephalopods reach an average size (measured from arm-tip to mantle-tip,) of 30-33 cm. Unlike most other cephalopods, tree octopuses are amphibious, spending only their early life and the period of their mating season in their ancestral aquatic environment. Because of the moistness of the rainforests and specialized skin adaptations, they are able to keep from becoming desiccated for prolonged periods of time, but given the chance they would prefer resting in pooled water.

Rare photo of the elusive tree octopus

An intelligent and inquisitive being (it has the largest brain-to-body ratio for any mollusk), the tree octopus explores its arboreal world by both touch and sight. Adaptations its ancestors originally evolved in the three dimensional environment of the sea have been put to good use in the spatially complex maze of the coniferous Olympic rainforests. The challenges and richness of this environment (and the intimate way in which it interacts with it,) may account for the tree octopus's advanced behavioral development. (Some evolutionary theorists suppose that "arboreal adaptation" is what laid the groundwork in primates for the evolution of the human mind.)

Reaching out with one of her eight arms, each covered in sensitive suckers, a tree octopus might grab a branch to pull herself along in a form of locomotion called tentaculation; or she might be preparing to strike at an insect or small vertebrate, such as a frog or rodent, or steal an egg from a bird's nest; or she might even be examining some object that caught her fancy, instinctively desiring to manipulate it with her dexterous limbs (really deserving the title "sensory organs" more than mere "limbs") in order to better know it.

Tree octopuses have eyesight comparable to humans. Besides allowing them to see their prey and environment, it helps them in inter-octopus relations. Although they are not social animals like us, they display to one-another their emotions through their ability to change the color of their skin: red indicates anger, white fear, while they normally maintain a mottled brown tone to blend in with the background.

The reproductive cycle of the tree octopus is still linked to its roots in the

*“The reasons for this dire situation include: decimation of habitat by logging and suburban encroachment ... and booming populations of its natural predators, including the bald eagle and sasquatch.”*

Source:  
<https://www.lib.sfu.ca/help/research-assistance/finding-evaluating-resources#evaluating-sources>

Source: Zapato, L. (2018, May 22). *Help save the endangered Pacific Northwest Tree Octopus from extinction!* Retrieved <https://zapatopi.net/treeoctopus>.

# Finding policy reports

- The Library!
  - Library Catalogue
  - Canadian Electronic Library from desLibris
  - Canadian Research Index
  - Article databases (secondary sources)
- Government agencies, organizations, and institutes (look for *Publications* section)
  - Fraser Institute
  - Canadian Centre for Policy Alternatives



# Demo Canadian Electronic Library

- <https://www.lib.sfu.ca>
  - Article databases
    - Canadian Electronic Library from desLibris

# Data:

*[a] reinterpretable representation of information in a formalized manner suitable for communication, interpretation, or processing.*

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	GR_ID	ACO	HRS	WRK_HRS	LBR_COL	DAB_AF	YRS_B	TRIB_DS	DLF	BFER	LKBD	MOND	FD_APF	GR_LP
2	1	2633	3931	4613	4892	7153	1589	1060	3143	4705	5524	3237	2873	4960
3	2	3971	324	6003	360	4195	7454	4227	691	51	4821	2487	7155	6421
4	3	7135	4792	2350	4908	5760	4440	3359	1674	771	5386	2642	6780	3683
5	4	4533	5719	6071	2642	3166	2535	6163	5418	3484	1247	1164	7144	5236
6	5	2035	7075	2380	432	1318	1916	6802	6002	1324	60	3658	5423	5320
7	6	384	5512	5529	2164	1913	2936	4815	6287	2452	3377	3685	4080	2545
8	7	5504	4987	1765	1134	328	3112	4921	4139	2866	4371	5507	2256	1282
9	8	6806	4915	620	3142	2567	5627	3247	4428	5193	7239	2583	7161	2919
10	9	4682	3830	4767	4655	5428	3948	2735	4994	3736	1624	517	3591	4066
11	10	4402	3577	3826	7219	1529	4636	3758	6382	987	1335	412	3687	743
12	11	4271	3190	7028	7584	2965	4978	1437	7636	6547	2327	5185	6796	7388
13	12	3193	5907	280	5933	5553	4041	5691	722	4898	5329	7175	7242	6886
14	13	7288	5905	1361	5738	5457	4527	2353	551	6279	4215	1227	5088	4271
15	14	1976	155	2960	7566	2466	1	577	1397	547	3183	2126	4741	2028
16	15	582	5470	5598	928	4460	6217	4742	4103	3826	4306	6983	1061	6983
17	16	1878	7612	145	617	3760	1278	4558	1963	2763	6086	5141	912	6238
18	17	6672	4723	7633	5736	2650	5455	6189	4122	4462	5835	6424	2612	7641
19	18	6039	3533	7021	454	1004	5251	5881	2617	3633	1975	3906	5826	1890
20	19	3504	5913	1910	7171	6190	5872	6135	3710	535	1296	3843	1005	6937
21	20	2459	3543	7415	1712	5355	6932	7449	444	4006	1772	681	3590	83
22	21	4759	6921	4080	4935	6535	1595	1233	1849	6567	6229	7465	6388	4813
23	22	416	460	6885	1024	4421	4447	6188	1945	2320	6260	2368	5590	140
24	23	5956	3788	890	3646	3492	5125	3449	744	6782	5711	1152	6796	360
25	24	5424	3655	4451	6562	4813	1750	2088	6454	41	852	985	6954	2862
26	25	5866	2119	4901	1889	1909	1551	7192	1472	4551	3619	6181	5505	5473
27	26	2360	6060	1255	3596	5920	6954	2605	5078	5551	2448	899	4056	5459

**Table 1**  
Labour force characteristics by age group and sex, seasonally adjusted

[Back to main article](#)

[CSV \(7 KB\)](#)

Select columns

	July 2018	August 2018	Standard error <sup>1</sup>	July to August 2018	August 2017 to August 2018	July to August 2018	August 2017 to August 2018
	thousands (except rates)	thousands (except rates)	thousands (except rates)	change in thousands (except rates)	change in thousands (except rates)	% change	% change
<b>15 years and over, both sexes</b>							
Population	30,317.2	30,352.2	...	35.0	396.9	0.1	1.3
Labour force	19,842.5	19,825.7	29.6	-16.8	153.2	-0.1	0.8
Employment	18,682.1	18,630.5	29.4	-51.6	171.7	-0.3	0.9
Full-time employment	15,131.6	15,172.0	41.7	40.4	326.1	0.3	2.2
Part-time employment	3,550.5	3,458.5	38.4	-92.0	-154.4	-2.6	-4.3
Unemployment	1,160.4	1,195.2	25.1	34.8	-18.5	3.0	-1.5

Sources:

Consultative Committee for Space Data Systems (CCSDS), 2012. Reference Model OAIS (Magenta Book), Washington, DC: Consultative Committee for Space Data Systems. Retrieved from <https://public.ccsds.org/pubs/650x0m2.pdf>.

Statistics Canada. No date. "Labour force characteristics by age group and sex, seasonally adjusted" (table). *The Daily*. Last updated July 6, 2018. <https://www150.statcan.gc.ca/n1/daily-quotidien/180706/t001a-eng.htm> (accessed October 2, 2018).

## Primary Data

Collected firsthand by researcher for a specific research purpose

- Collected through surveys, observations, or experiments
- Expensive
- Time consuming
- Biases may not be as obvious

## Secondary Data

Used for a different purpose other than originally intended and/ or by someone who did not collect the original data

- Not tailored to research project
- Lacks context
- Low(er) cost
- Quick access
- Access depends on permission – Data can be public or private
- Bias

# Where to find data?

Consider: Who, what, when, where, why


- Registries of research data repositories (eg. [Re3data.org](https://re3data.org))
- Research repositories (eg. [Abacus](https://abacus.dtu.dk))
- Government and other websites (eg. [Open Data Inventory](https://open.data.gov))
- Sources referred to in publications (eg. [The Daily](https://www.thedaily.com))







# The Daily


- <https://www.statcan.gc.ca/eng/start>
- The Daily
  - Releases by subject

Home → The Daily











## Labour

**The Daily** 

 In the news	 Indicators	 Releases by subject
 Special interest	 Release schedule	 Information

 Search...

Showing 1 to 50 of 164 entries

-  **Payroll employment, earnings and hours**  
July 2018  
(Released: 2018-09-27) 
-  **Study: Is field of study a factor in the payoff of a graduate degree?**  
2016  
(Released: 2018-09-26) 
-  **Study: Women-owned Enterprises in Canada**  
(Released: 2018-09-24) 
-  **Employment Insurance**  
July 2018  
(Released: 2018-09-20) 
-  **Construction Union Wage Rate Index**  
August 2018  
(Released: 2018-09-20) 

# LABOUR FORCE SURVEY

- <https://www.statcan.gc.ca/eng/start>
- Surveys and Statistical programs
  - Results and documentation of surveys and statistical programs
    - Labour Force Survey

## Labour Force Survey

The Labour Force Survey provides estimates of employment and unemployment. With the release of the survey results only 10 days after the completion of data collection, the LFS estimates are the first of the major monthly economic data series to be released. LFS data are used to produce the well-known unemployment rate as well as other standard labour market indicators such as the employment rate and the participation rate.

Detailed documentation about: [Labour Force Survey](#).

### Filter results by ⓘ

Sort by   ⓘ

### Keyword(s)

### Subject

- Aboriginal peoples (16)
- Business and consumer services and culture (6)
- Children and youth (14)
- Construction (1)
- Crime and justice (1)
- Economic accounts (1)
- Education, training and learning (25)
- Environment (2)
- Families and households (4)
- Government (1)
- Health (6)
- Immigration and ethnocultural diversity (6)
- Income, pensions, spending and wealth (74)
- Information and communications technology (3)
- Labour (357)
- Languages (1)
- Population and demography (5)
- Science and technology (1)
- Seniors (7)
- Society and community (15)
- Statistical methods (8)

[Less](#)

### Type

- Data
- Tables (252)

All (419) Data (255) Analysis (154) Reference (10)

### 1. [Education Indicators in Canada: Handbook for the Report of the Pan-Canadian Education Indicators Program](#)

*Surveys and statistical programs – Documentation:* 81-582-G

*Description:* This handbook complements the tables of the Pan-Canadian Education Indicators Program (PCEIP). It is a guide that provides general descriptions for each indicator and indicator... [More](#)

*Release date:* 2018-09-27

### 2. [Education Indicators in Canada: Report of the Pan-Canadian Education Indicators Program](#)

*Table:* 81-582-X

*Description:* The Pan-Canadian Education Indicators Program (PCEIP) draws from a wide variety of data sources to provide information on the school-age population, elementary, secondary and... [More](#)

*Release date:* 2018-09-27

### 3. [Unemployment rates of population aged 15 and over, total and with Aboriginal identity, by educational attainment, Canada](#)

*Table:* 14-10-0361-01 (formerly: CANSIM 477-0104)

*Geography:* Canada

*Description:* Unemployment rates of population aged 15 and over, by educational attainment, Canada. This table is included in Section E: Transitions and outcomes: Labour market outcomes of the Pan... [More](#)

# CENSUS

- <https://www.statcan.gc.ca/eng/start>
- Census Program
  - Census Datasets

## Census Datasets

← Hide Filters

### Filter Datasets

Change survey  
2016 Census (100% Data)

**Topic**

- Age and sex
- Families, households and marital status
- Income
- Language
- Type of dwelling

**Geography**

- Census Division
- Census Metropolitan Area / Census Agglomeration
- Census Subdivision
- Census Tract
- Dissemination Area
- Economic Region
- Federal Electoral District
- Forward Sortation Area
- Province / Territory

**Variable**

- Aboriginal language spoken at home (7)
- After-tax income groups (18)
- After-tax income groups (22)
- Age (11)

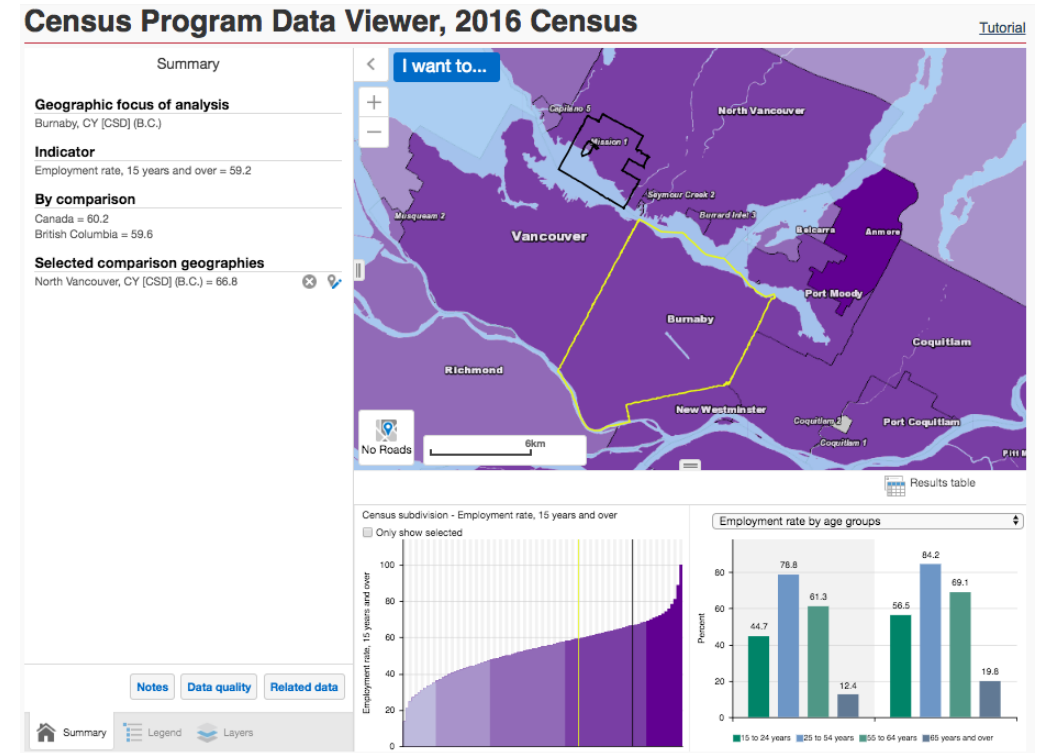
### 2016 Census of Population

Filter items  Showing 1 to 10 of 112 entries | Show  entries

Cat no. <input type="button" value="↑↓"/>	Date <input type="button" value="↑↓"/>	Topic <input type="button" value="↑↓"/>	Title <input type="button" value="↑↓"/>
98-400- X2016001	May 3, 2017	Age and sex	Age (in Single Years) and Average Age (127) and Sex (3) for the Population of Canada, Provinces and Territories, Census Metropolitan Areas and Census Agglomerations, 2016 and 2011 Censuses - 100% Data <a href="#">HTML</a> <a href="#">Beyond 20/20</a> <a href="#">SDMX (XML)</a>
98-400- X2016002	May 3, 2017	Age and sex	Age (in Single Years) and Average Age (127) and Sex (3) for the Population of Canada, Census Metropolitan Areas, Census Agglomerations and Census Subdivisions, 2016 and 2011 Censuses - 100% Data <a href="#">HTML</a> <a href="#">Beyond 20/20</a> <a href="#">SDMX (XML)</a>
98-400- X2016003	May 3, 2017	Age and sex	Age (in Single Years) and Average Age (127) and Sex (3) for the Population of Canada, Provinces and Territories, Census Divisions, Census Subdivisions and Dissemination Areas, 2016 Census - 100% Data <a href="#">HTML</a> <a href="#">Beyond 20/20</a> <a href="#">SDMX (XML)</a>
98-400- X2016004	May 3, 2017	Age and sex	Age (in Single Years) and Average Age (127) and Sex (3) for the Population of Canada, Provinces and Territories, Census Divisions and Census Subdivisions, 2016 Census - 100% Data <a href="#">HTML</a> <a href="#">Beyond 20/20</a> <a href="#">SDMX (XML)</a>
98-400- X2016005	May 3, 2017	Age and sex	Age (in Single Years) and Average Age (127) and Sex (3) for the Population of Census Metropolitan Areas, Tracted Census Agglomerations and Census Tracts, 2016 Census - 100% Data <a href="#">HTML</a> <a href="#">Beyond 20/20</a> <a href="#">SDMX (XML)</a>
98-400- X2016006	May 3, 2017	Age and sex	Age (in Single Years) and Average Age (127) and Sex (3) for the Population of Canada, Provinces and Territories and

# CENSUS PROGRAM DATA VIEWER

- <https://www.statcan.gc.ca/eng/start>
  - Census Program
    - Scroll down to data products
      - Census Program Data Viewer





# Citing Data in APA Style

- Statistics Canada Reference Builder  
[www150.statcan.gc.ca/n1/pub/12-591-x/2009001/steps-etapes-eng.htm](http://www150.statcan.gc.ca/n1/pub/12-591-x/2009001/steps-etapes-eng.htm)
- SFU Citing Guide for Statistics Canada  
[www.lib.sfu.ca/find/other-materials/data-gis/data/citing-statistics](http://www.lib.sfu.ca/find/other-materials/data-gis/data/citing-statistics)

Example:

**Statistics Canada.** (2003). *2001 Census of Canada topic based tabulations, immigration and citizenship tables: Immigrant status and place of birth of respondent, sex, and age groups, for population, for census metropolitan areas, tract census agglomerations and census tracts, 2001 census.* (Catalogue number 95F0357XCB2001002). Retrieved April 7, 2005 from Statistics Canada <http://www12.statcan.ca/english/census01/products/standard/themes/ListProducts.cfm?Temporal=2001&APATH=3&THEME=43&FREE=0>

# Research Help! <https://www.lib.sfu.ca/help/ask-us>

- Research Help desk in any of the three campus libraries
- *Ask a Librarian* services (via the Library home page)
  - Email or Telephone
- AskAway chat
- Liaison Librarian:
  - Shannon Cheng: [shannon\\_cheng@sfu.ca](mailto:shannon_cheng@sfu.ca)
  - Moninder Lalli: [moninder\\_lalli@sfu.ca](mailto:moninder_lalli@sfu.ca)
- Student Learning Commons  
<https://www.lib.sfu.ca/about/branches-depts/slc>
  - Writing consultations