Canadian Census Data Discovery Partnership: 2023 Project Update

Gov Info Days, Dec 12, 2023

Graeme Campbell & Katie Cuyler

Outline

- Project Overview
- Recent Progress
 - Knowledge Mobilization
 - Inventory
- Portal Development
- Sneak Peak: proof-of-concept portal
- Next Steps

Project Overview

Canadian Census Data Discovery Partnership

- A comprehensive, bilingual inventory database using consistent taxonomies and standards that integrates the work already completed
- A vision for a future Canadian census discovery portal, developed through stakeholder consultations, an environmental scan of existing initiatives, tools, and websites related to census data discovery.
- Feasibility analysis, design, and proof-of-concept implementation for a fully functional discovery portal
- Assessment of opportunities for long-term preservation of census materials

See more: https://cddp-pddr.ca/

Project Leaders

Leanne Trimble, Acting Head, Map & Data Library, University of Toronto (Principle Investigator)

Susan Mowers, Research Librarian (Data), University of Ottawa

Alex Guindon, GIS and Data Services Librarian, Concordia University

Sandra Sawchuk, Data Services & User Experience Librarian Mount Saint Vincent University

Katie Cuyler, Open Publishing and the Government Information Librarian, University of Alberta

Amber Leahey, Data & GIS Librarian. Scholars Portal / University of Toronto, Toronto.

Graeme Campbell, Open Government Librarian, Queen's University

Tracey P. Lauriault, Associate Professor of Critical Media and Big Data, Carleton University

Zack Taylor, Assistant Professor of Political Science and Founding director of Centre for Urban Policy and Local Governance, Western University

Jennifer Pagnotta, Chief, Centre for Statistical and Data Standards, Statistics Canada

Julie Roy, Manager, Reference Services, Public Services Branch, Library and Archives Canada

https://cddp-pddr.ca/en/contact/

Recent Progress

Knowledge Mobilization

- <u>Updates</u> & <u>research reports</u> shared throughout
- Conference presentations
- Research articles underway
 - Landscape analysis census data portals: current access
 - Subject/thematic analysis of inventory content

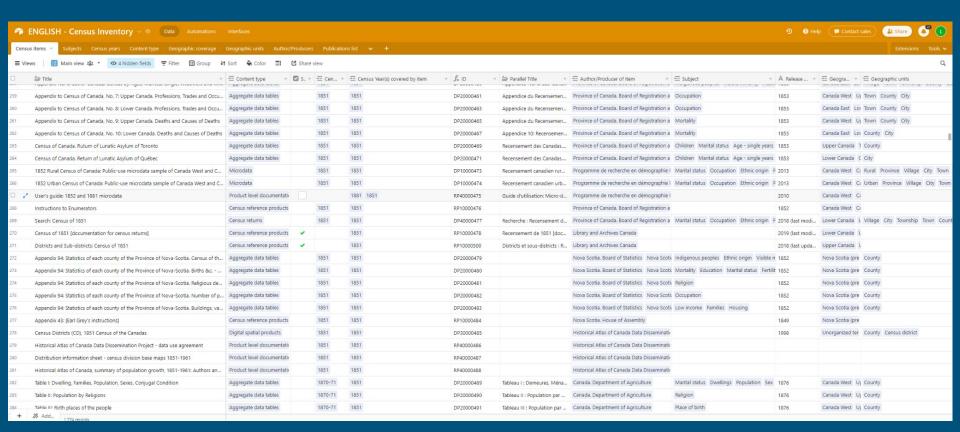
Comprehensive, bilingual census inventory database

Inventory will be complete early 2024. For each item (data table, microdata file, spatial data file, etc) we track:

- → Title
- → Census year of publication
- → Census years covered by the item
- → Data producer
- → Publication date
- → Subject headings
- → Geographic coverage
- → Geographic units

- → Language(s)
- → Citation to publication the item is found within (if applicable)
- → File formats
- → URLs to access data
- → Links to related materials/documentation files
- → Notes

Historical Census Inventory Database



Portal

Preliminary proof-of-concept portal considerations

End product goals:

- → open source / non-proprietary programs and formats
- → portal has long term compatibility with database
- → extensible

We considered:

- → continuing with Airtable
 - external connections are limited / proprietary
 - subscription based
- → Compute Canada infrastructure (mysql / website for access)
 - not a long-term solution
 - VM was a barrier to access

Develop preliminary proof-of-concept portal

Prototype: developed using R / Shiny

- → One of our co-investigators already had some experience with it
- shinyapps.io is a free hosting/deployment service that works with R or Python
 - publicly available
 - limit of 5 apps on free plan
 - can be deployed on a private Shiny server if more security is needed

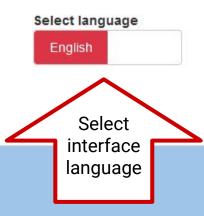
Sneak Peak: Proof-of-Concept Portal

About

Search

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Documentation



About

This portal is a project of The Canadian Census Data Discovery Partnership. It provides access to a comprensive inventory of Canadian Census materials held by numerous institutions across the country.

Censuses, or population counts, have been conducted in the territory now known as Canada since 1665-66 in New France (Statistics Canada, 2015). Canada's census is our most valuable primary economic, social, and cultural data set, and is an essential research tool for the formation of new knowledge and understanding about the populations that lived here in the past and present.

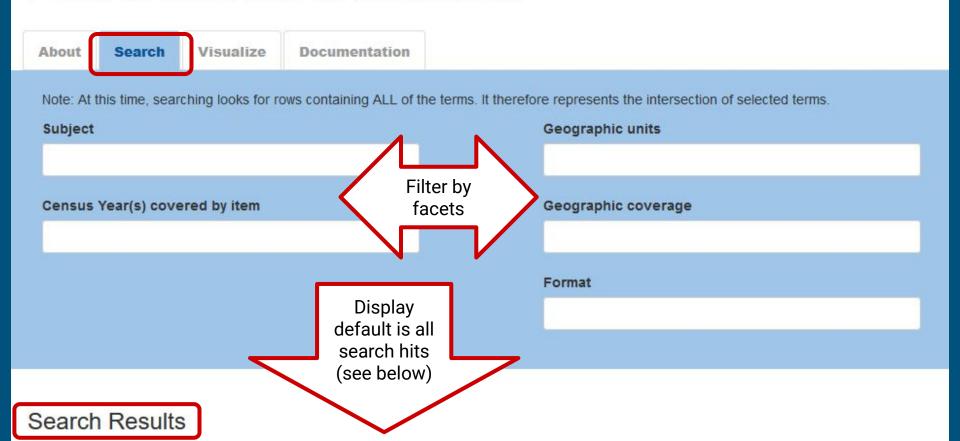
The Canadian Census Data Discovery Project is a two-year project to improve access to and research conditions for existing qualitative, quantitative and spatial data sources from the population censuses of Canada. Key deliverables are the design and delivery of this proof-of-concept bilingual discovery portal, and future-looking recommendations upon which this project can be further built.

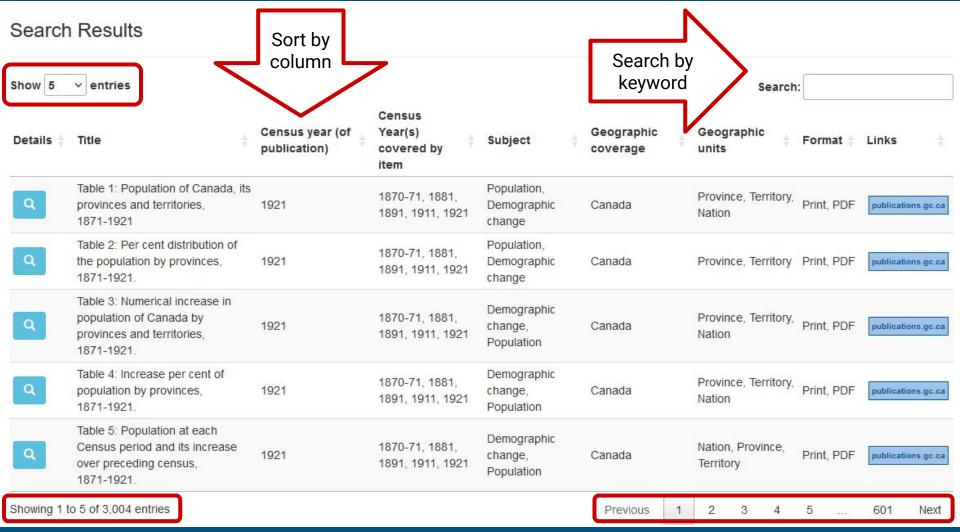
The sources of information that make up these censuses are rich, diverse, and complex. They consist of databases of archival records, publications, and data files, containing a mix of primary data, expert analyses, and supporting documentation. This project is focused on those sources that contain data, and documentation that supports the use of the data.

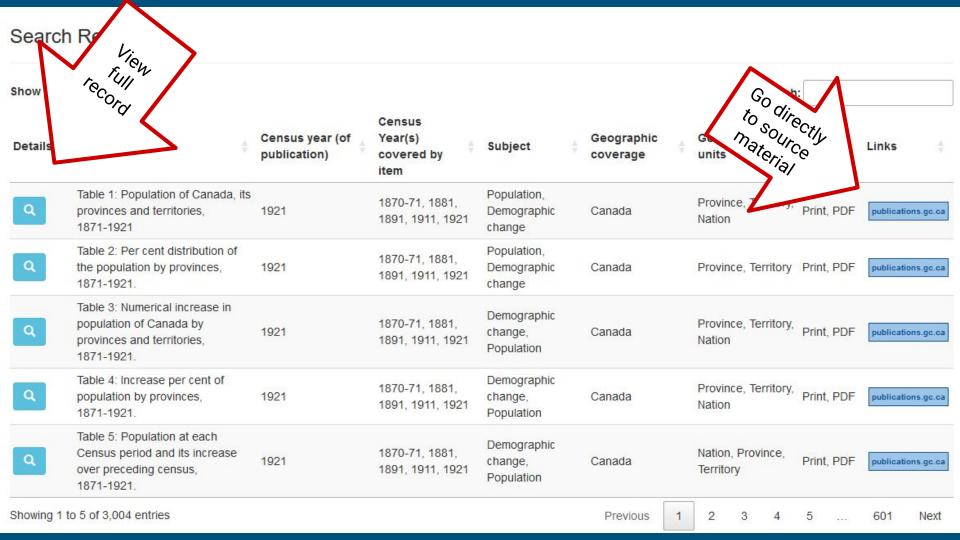
Inventory data last updated from Airtable: 2023-09-26

App Last Updated: 2023-09-26.

Select language English



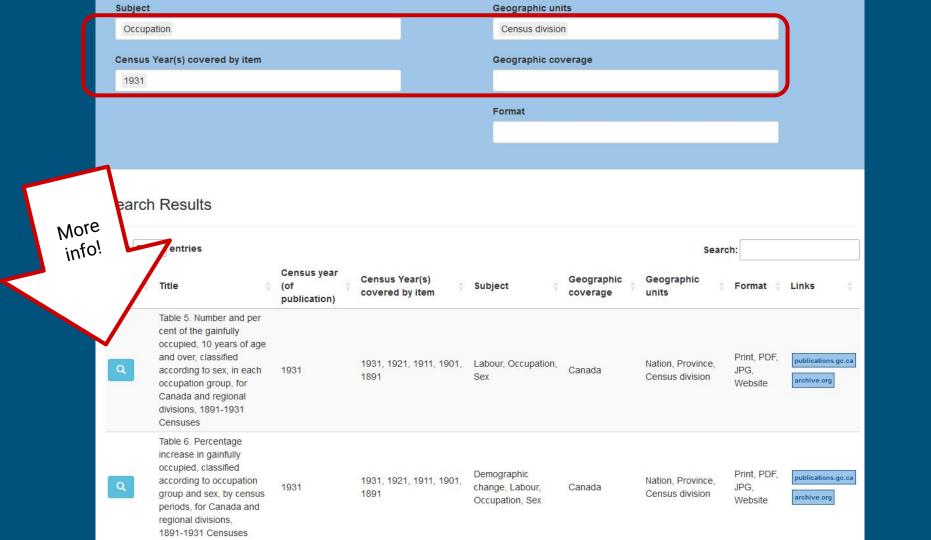






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Search Results



Selected Record

Title	Table 5. Number of per cent of the gainfully occupied, 10 years of age and over, classified according to sex, in each occupation group, for Canada al divisions, 1891-1931 Censuses							
Content type	Aggrega Table 5							
Supplementary								
Census year (of publication)	1931							
Census Year(s) covered by item	1931, 1921, 1911, 1901, 1891							
Parallel Title	Tableau 5. Nombre et pourcent de la population active, âgée de 10 ans et plus, classifiée selon le sexe, dans chaque groupe occupationnel, pour l'ensemble du Canada et les divisions régionales, recensements de 1891-1931							
Author/Producer of item	Canada. Dominion Bureau of Statistics							
Subject	Labour, Occupation, Sex							
Release date	1939							
Ge ge	Canada							
Ged Pages	Nation, Province, Census division							
Lang 6-9	English, French							
Fox (e)	""Occupational trends in Canada, 1891-1931"" Title of source document							
Found in (dign. /ile)								
Page numbers (born print only)	6-9							

Page numbers (born print only)	6-9
Table series (born digital only)	
Product Identifier	CS98-1931M-4
Format	Print, PDF, JPG, Website
Coordinate system (maps & spatial data)	
Related Materials & Documentation	
Digitization/data quality	quality
Data access notes	View Source
Additional notes	Materials
Still to check	
Links	publications.gc.ca archive.org

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HON. W.D. EULER, M.P.,

Minister of Trade and Commerce.

Ministre du Commerce.

CANADA

DOMINION BUREAU OF STATISTICS

BUREAU FEDERAL DE LA STATISTIQUE

CENSUS BRANCH

BRANCHE DU RECENSEMENT

OCCUPATIONAL TRENDS

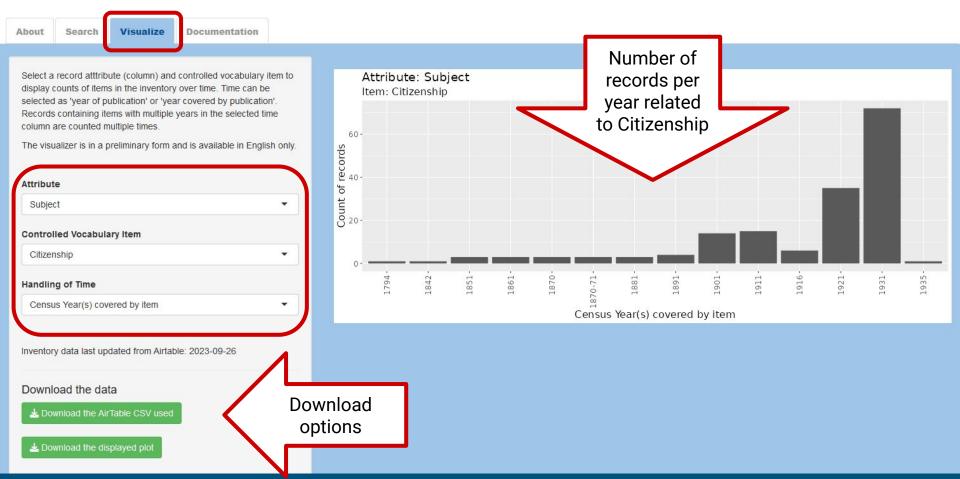
IN CANADA, 1891-1931

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TABLE 5. Number and per cent of the gainfully occupied, 10 years of age and over, classified according to sex, in each occupation group, for Canada and regional divisions, 1891-1931 Censuses.

1		1891					1	901		1911	
1	Occupation	Males Hommes		<u>Females</u> Femmes		<u>Males</u> Hommes		Females Femmes		Males Hommes	
10	group										
Nal	ATTENDED THE WAY TO THE MANAGEMENT AND ADDRESS.	No	Doco.	No.	P°C°	No.	P.C.	No.	P.C.	No.	p.c.
1	Canada										
1	All occupations	1,412,386	100.00	203,222	100.00	1,544,883	100,00	237,949	100.00	2,358,813	100.0
2	Agriculture	(1)723,013	(1)51,19	12,194	6,00						
3!	Fishing and trapping	(2) 29,841		(2) 204		(3) 27,160	(3)1.76			34,547	
is i	Logging	12,756	0.90		,-,-,-	16,055			***	(5)42,658	(5) 1.8
50		15,410	1.09	وبا		28,341			(6)	(7)62,404	(7)2.6
61	Manufacturing	175,861	12.45	62,111	30,56	229,027					
7	Construction	86,605		89	0.04	89,100		65	0.03		
8	Transportation	60,326	4.27	984	0.48			1,322	0.56	153,586	6.5
91	Railway	15,210				27,750		29	0.01	65,567	2.7
0	Road	20,102	1,42		ra ra	27,248		23	0.01	49,090	2.0
1;	Trade and Finance	81,130	5.74	6,934	3.41	91,795	5.94	7.757	3.26	193,154	8.1
21	Service	87,533	6.20	116,364	57.26			135,582	56,98	139,054	5.9
31	Professional	34,442	2.44	25,092	12,35				14,57	53,720	2.2
4	Personal .	35,108	2.49	90,478	44.52	47,788		100,306	42.15	68,996	2.9
51	Clerical	(8) 21,029	(8) 1.49	(8)3,092	(8)1.52	46,220	2,99	12,569	5.28	72,595	3.0
6	Labourers	115,546	8.18	1,052	0.52	126,726			0.48	317,008	13,4
7	Other and unspecified	3,336	0.24	198	0.10	751	0.05	41	0.02		
-	Marilian Danis				Š.	ĺ					
- 1	Maritime Provinces	0/0.010	700.00	101/5	100.00	2/5 02/	100.00	25 71.0	100.00	200 200	100.0
	All occupations	260,918				265,026			100.00		
9	Agriculture	(1)131,021		3,416	8.44	121,860	45.98	2,967	8,30		
0	Fishing and trapping	(2) 18,306		(2) 122	(2)0.30	(3) 17,911	(3)6.76		(3)0.01	18,860	
	Logging	2,853	1.09		1	3,396			0.01	(5) 7,687	12401
2	Mining, quarrying	6,219	2,38	70.5		8,190	3_09	2	10001	(7)17,908	11100

Select language English





About Search Visualize Documentation

Documentation



Next Steps

Next steps

Considering options for continued access and presentation of inventory

- Datasets will be added to Borealis
- Seeking funding or support for the development of a sustainable and accessible portal

Synthesize and share project findings

- Knowledge Mobilization
- Grant report & recommendations for future project phase
 - Census Discovery Portal development
 - Ways to improve discovery, usability & preservation of census material

Thank You!

Questions?

Website:

https://cddp-pddr.ca/

Contact us:

census-comms@scholarsportal.info

Listserv:

https://listserv.utoronto.ca/cgi-bin/wa?A

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