



# McMaster University Library Data Service

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# Agenda

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- Mission
- What is Library Data Service (LDS)
- Type of Research Data
- Accessing the Data
- Format of Data files and supported Software
- Historical Statistical Sources: Canadian and International
- Census 2001 data using E-STAT



# Mission

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- The McMaster LDS promotes and facilitates the use of specialized electronic data products for **authorized McMaster users**.
- The LDS exists both as a physical place (Mills Library, room no. L111) and a virtual research facility (<http://library.mcmaster.ca/madgic/data.htm>).



# What is Library Data Service

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- The LDS serves as a central point of access to a wide assortment of digital numeric research data files.
- The collection covers a broad range of subject areas with an emphasis on Social Sciences, Health Sciences, Business and Economics.
- Wherever possible, access to these resources is provided through self-serve web interfaces e.g. QWIFS, ICPSRDirect etc.



# Type of Research Data

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- The data files contain quantitative research data, including public use micro data, aggregate data and time-series databases.
- Library Data Service acquires data files as a member of two major consortia - Statistics Canada's Data Liberation Initiative (DLI) and Inter-University Consortium for Political and Social Research (ICPSR).



# Accessing the Data

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- Access to the data files are restricted to current McMaster University faculty, staff and students for the purposes of teaching, research and private study only. All users seeking access to the survey data files are required to complete a user agreement form at the LDS before accessing the data files. (Individuals who wish to make commercial use of the data files should contact Statistics Canada to obtain their own licensed copy of the data.)
- The access to data is given on a CD-ROM or where ever possible, through self-serve web interfaces such as ICPSRDirect etc.



# Format of Data files and Supported Software

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- Usually the data files are in SPSS and SAS formats.
- Occasionally, Statistics Canada uses their interface system to disseminate data.
- Documentation files comes in .pdf, .wpd, .doc or .txt formats.
- Although SPSS and SAS are supported at LDS, files in many different formats (such as STATA, S-Plus, Access etc.) are converted using Stat/Transfer software.



# Historical Statistical Sources (Canadian)

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- **Historical statistics of Canada**

<http://www.statcan.ca/english/freepub/11-516-XIE/sectiona/toc.htm>

: Data range from 1867 through 1976 for most series. Files are in Excel format. Some time-series (primarily Section A) are also to be found in the [CANSIM](#) database. **Also available in print CA1.. BS..11- ..C516.**

- **Censuses of Canada: 1665 to 1871**

<http://www.statcan.ca/english/freepub/98-187-XIE/index.htm>:

Contains about 350 statistical tables on the social and economic conditions of Canada from 98 Censuses of the earliest settlements to Confederation in 1867 and on to 1871. **Also available from [E-STAT](#).**

- **E-STAT** <http://estat.statcan.ca>

Contains selected tables from CANSIM II and 1986 through 2001 Census profile files. Census tables are for census subdivisions, provinces, and census tracts, arranged by broad subject areas. Also includes historical census aggregate statistics from 1665-1871 censuses, as well as 1997 and 2000 federal election results by province and federal electoral district.



# Canadian Historical Statistical Sources (Canadian) Contd...

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- **CANSIM II** <http://dc2.chass.utoronto.ca/cansim2/index.jsp>: Time series statistics ranging from social to economic aspects of Canadian life
  
- **Canadian Census Analyser**  
<http://datacentre.chass.utoronto.ca/census/>: The Canadian Census Analyser provides access to Canadian Census Data. The Census Analyser includes access to: 2001, 1996, 1991, 1986 and 1981 Enumeration Area level Profile Tables; 2001, 1996, 1991, 1986, 1981, 1971 and 1961 Census Tract level Profile Tables; 2001, 1996 and 1991 Provincial and Federal District Profile Tables and the 2001, 1996, 1991, 1986, 1981 and 1971 Individual Microdata Files.



# Canadian Historical Statistical Sources (Canadian) Contd...

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- **Index of downloadable Statistics Canada publications** <http://dsp-psd.pwgsc.gc.ca/Collection/Statcan/index-e.html>: Full text access to approximately 300 Statistics Canada publications listed by subject and Statistics Canada catalogue number.
- **The Canada Yearbook**: Available in print at MILLS Gov Pubs, CA1..BS..11-..C202. Coverage 1905 – 2001.
- **Canadian Economic Observer, Historical Statistical Supplement**: Data covered include the national accounts, prices, international and domestic trade, labour and financial markets. Provincial detail for employment earnings, retail trade, housing and consumer price indexes are also presented. **Available in print at Mills Gov Pubs, CA1..BS..11-..C210. Coverage 1986 – 2005.**
- **National Health Expenditure Trends 1975 – 2004**: Produced by CIHI, data tables in Excel format. This database contains a historical series of macro level health expenditure statistics by province and territory beginning in 1975. **Available at LDS, CA1 CH1 N13.**



# Historical Statistical Sources (International)

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- **United States Historical Census Data Browser (1790- 1960):** Access to extensive collections of numeric and geospatial data files and computing facilities and software for data manipulation, research, and instruction; and a suite of Internet-accessible data extraction tools.
- **SourceOECD:** SourceOECD delivers OECD publications and databases online. You will be able to access statistical databases and build your own tables, in real time using latest available statistics, online. No special software needed and you can export tables to Excel, Beyond 20/20 and in .csv formats.
- **Historical Statistics of the United States: Colonial Times to 1970:** Available in print at MILLS Gov Pubs, US1.. AKJ..3- 75D078.
- **United Nations Conference on Trade and Development (UNCTAD) Handbook of Statistics Online:** Provides a comprehensive collection of statistical data relevant to the analysis of international trade, investment and development, for individual countries and for economic and trade groupings.



# Historical Statistical Sources (International) Contd...

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- **World Development Indicators Online (WDI):** Provides direct access to more than 600 development indicators, with time series for 208 countries and 18 country groups from 1960 to 2004, where data are available. **Available on CD-ROM network from Mills Library, 2<sup>nd</sup> floor.**
- **Women's Indicators and Statistics (WISTAT):** A global data of statistics and indicators on gender, population and social development. It contains detailed statistics and indicators on a wide range of topics for 206 countries or areas of the world. Most of the topics include data for four periods – 1970, 1980, 1990 and latest available year. **Available in CD-ROM format at LDS, UN2 S 99 W37.**
- **Statistical Yearbook, United Nations:** Available in print at Mills Gov Pubs, UN2..S...30-..S81. **Coverage: 1948 – 2002.**



# Historical Statistical Sources (International) Contd...

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- **Demographic Yearbook, United Nations:** Available in print at Mills Gov Pubs, UN2..S...30-..D29. **Coverage: 1948 – 2002.**
- **Yearbook of Labour Statistics, International Labour Office:** Available in print at Mills Gov Pubs, UN9..L....3-..Y21. **Coverage: 1943 – 2002.**
- **ICPSR (Inter-University Consortium for Political and Social Research):** ICPSR maintains and provides access to a vast archive of social science data for research and instruction, and offers training in quantitative methods to facilitate effective data use. In addition, ICPSR provides user support to assist researchers in identifying relevant data for analysis and in conducting their research projects.



# Contact Information

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- Location: Mills Memorial Library, Room L111
- Telephone: 905 525-9140 Ext. 23848
- E-mail: [vivek@mcmaster.ca](mailto:vivek@mcmaster.ca)
- Hours of Service:
  - 9:00 am – 1:00 pm
  - 2:00 pm – 5:00 pm



# Census 2001 data Using E-STAT

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- Immigrant Population by period of Immigration for Hamilton and Toronto.
- Population pyramid for Hamilton and Toronto