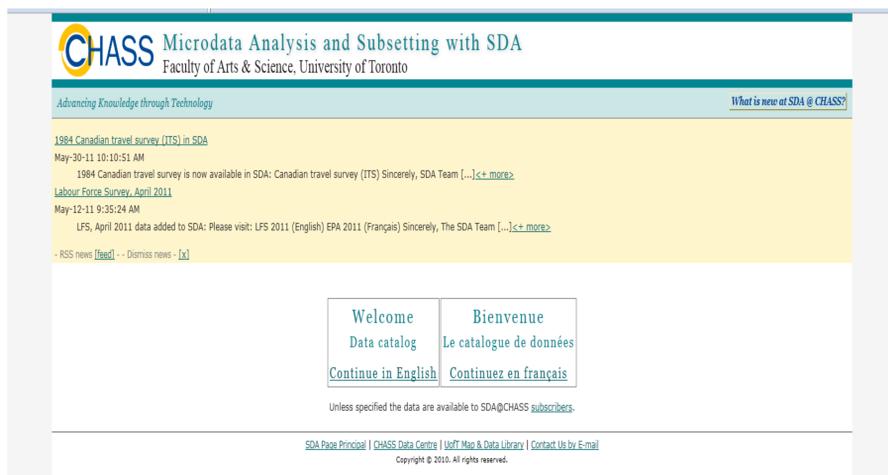


SDA@CHASS in 2011

What is SDA@CHASS

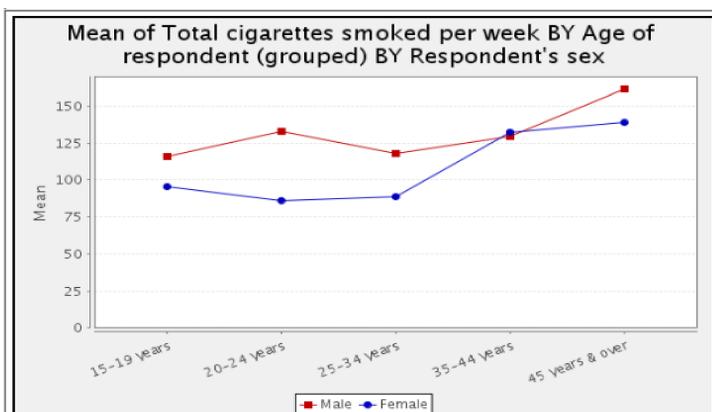
Part of a larger CHASS Data Centre, SDA@CHASS provides 24x7 access to a growing collection of over 700 data files, of which currently about 550 are from Statistics Canada, under the Data Liberation Initiative license.



The SDA interface

SDA is an interactive, web-based tool for on-line statistical analysis, and is especially useful for exploratory data analysis, producing descriptive statistics, and as a teaching tool in teaching statistical analysis, in the classroom or via distance education, and providing remote distributed access to downloadable data for statistical analysis 24x7.

1. **Data discovery:** among and within datafile variable level searching
2. **Statistical analysis:** including cross-tabulations, comparison of means, correlations, multiple and logistic regression with all standard measures of significance, direction, etc.
3. **Graphic visualization** of the results of cross-tabulations



Analysis of Variance		
	SSQ	Eta_sq
Main effects	2.67556272E+09	.027
agegrp1	2.07138508E+09	.021
sex	598,105,668.339	.006
Interaction	316,567,846.908	.003
Residual	9.74188824E+10	.970
Total	1.00411013E+11	1.000

4. **Design effects measures**, for data files based on complex survey samples, providing more precise measures of significance, etc., an alternative to BRR, bootstrap and jackknife weights
5. **Recoding and computing new variables**, including sharing such new variables with other user, as well as downloading them as part of the data set.
6. **Disclosure control:** Preservation of confidentiality through imposition of disclosure constraints on analyses at the point of analysis, rather than at the point of data post-processing and dissemination.
7. **A portable skill**, as the SDA interface is also used by major data disseminators such as ICPSR, the Roper Centre, and IPUMS.

The SDA software is developed by University of California, Berkeley. Computer-assisted Survey Methods Program (CSM)

New in the SDA interface (version 3.5)

New in the SDA interface:

New analytic capabilities in SDA 3.5 (released Feb. 2011) are primarily intended to enhance analytic capabilities, rather than data management, or metadata capabilities, and include:

1. TABLES and MEANS programs can now suppress the output of a particular percentage or mean, if it does not meet certain criteria for precision (if pre-defined).
2. Regression programs now compute standard errors for complex samples.
3. Multiple dummy variables for each value of a numeric variable can be defined on the fly.
4. Confidence intervals can be requested (90%, 95%, or 99%).
5. The variance/covariance matrix of the regression coefficients can be requested.
6. The list of independent variables can be suppressed when many consecutive analyses are run with the same independent variables.

New in SDA@CHASS in 2011

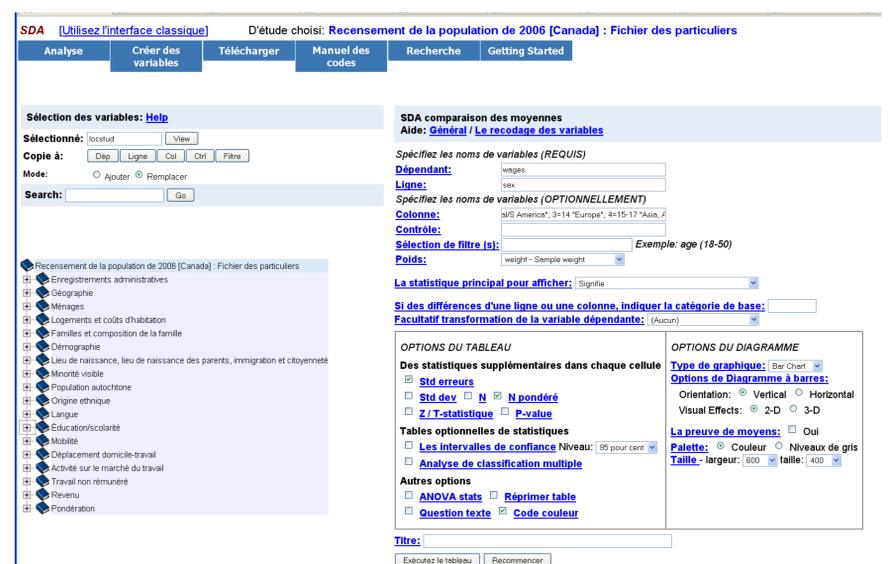
New in data collections:

1. Data files with French language metadata are now being added.

Microdonnées canadiennes:

- Enquête sur la population active (EPA) -Nouveau-
- Enquête sur la vitalité des minorités de langue officielle (EVML0), 2006 -Nouveau-
- Recensement de la population de Canada, fichiers des microdonnées à grande diffusion

2. French translation of interface (in progress).



Accessing SDA@CHASS

Selected datafiles on SDA@CHASS are available without restrictions. Most datafiles, however, are available only to members of subscribing institutions.

In order to derive maximum benefit from a subscription to SDA@CHASS, institutions must subscribe to Statistics Canada's Data Liberation Initiative <http://www.statcan.gc.ca/dli-ild/dli-idd-eng.htm>

Visit the SDA@CHASS website at <http://sda.chass.utoronto.ca/>

Enquire about subscription rates, and a one month trial subscription for your institution, at support@chass.utoronto.ca