

CARLETON UNIVERSITY
DEPARTMENT OF SOCIOLOGY AND ANTHROPOLOGY
SOCI 2004 A
FALL 2026
DATA LITERACY FOR SOCIAL SCIENCES

Instructor: Professor Steven Prus

Office Hours: Loeb D786, Friday 1:30-2:30pm or by appointment

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Brightspace course page: <https://brightspace.carleton.ca/d2l/home/452089>

Pre-requisite: SOCI 2000 or equivalent. Precludes additional credit for SOCI 2002 (no longer offered), SOCI 3000 (no longer offered).

Method of Delivery: In-person

Course Schedule: Lecture: Tuesday 12:35-2:25pm. Tutorial: Tuesday 2:35-3:25pm

Course Description and Objectives:

The course introduces students to the principles and practices of quantitative data literacy in the social sciences. Students will learn how to analyze, visualize, interpret, and communicate quantitative data using online tools. Emphasis is placed on developing the ability to critically evaluate quantitative data and statistics as encountered in everyday life. The course introduces fundamental concepts in measurement, sampling, and descriptive and inferential statistics, however, it emphasizes interpretation rather than calculation and computation. The course will prepare students for more advanced courses in quantitative data analysis.

The two-hour lecture (per class) is designed to explore these topics, followed by a one-hour TA-led tutorial. Attendance at both lecture and tutorial is required. Lectures, tutorials, tests, and office hours will be delivered in-person. All lecture material, including lecture notes, will be posted on Brightspace.

Learning Outcomes:

- Find, access different types and sources of quantitative data.
- Assess quality, limitations of data sources.
- Explain concepts such as measurement and sampling.
- Read, interpret, and critically evaluate statistical outcomes including tables and graphs.
- Use online statistical tools to organize and analyze data.
- Distinguish association from causation and recognize misleading/inappropriate uses of statistics.
- Connecting data to theory and policy

Textbook: Earl Babbie and Jason D. Edgerton, 2024. Fundamentals of Social Research, 6th Edition. Toronto: Cengage.

- The cost of the textbook is \$151.95
- Second-hand copies of the textbook are available and supported (can be used) in the course.

Course Requirements & Methods of Evaluation:

Assessment *	Weight
Multiple-choice Test 1 (October 6 at 1:25-2:25pm)	20%
Multiple-choice Test 2 (November 24 at 1:25-2:25pm)	30%
Attendance (lecture and tutorial)	20%
Course Paper (due December 11 at 11:59pm through Brightspace)	30%

* Please note:

1. tests are delivered in-class, non-cumulative, closed book, and cannot be rescheduled. With medical documentation, the course paper will be reweighted to compensate for the missed test.
2. course paper is based on essay-style questions that examine and apply core topics in the course and textbook.

3. late paper will be penalized at a rate of 10% of the mark per day, barring medical documentation.
4. at least one test and the course paper must be completed to pass the course.

Citation Style

The Chicago author-date citation style (17th edition) must be used in the course paper.

For more information, please see:

https://www.chicagomanualofstyle.org/tools_citationguide/citationguide-2.html

Diversity and Inclusion in Learning

In this course, you are expected to learn from your texts, your teacher and from one another. This requires striving towards understanding each other, but it does not imply striving towards finding agreement. Our class will be racially, religiously, politically, culturally, generationally, and economically diverse. We will be of different gender identifications and sexual orientations and our lived experiences and reactions to the course material will reflect this diversity. Sharing our perspectives and interpretations on the course material will enhance everyone's learning experience and you are encouraged to openly express any disagreements with the authors you will read, with your fellow classmates, or with the Professor in the different participation fora that are available for this course. However, you are expected to conduct yourself in such a way that shows the utmost respect to others who may – or may not – share your views. Derogatory comments and hateful behavior towards others (and their views) will not be tolerated.

Carleton University acknowledges the location of its campus on the traditional, unceded territories of the Algonquin nation. In doing so, Carleton acknowledges it has a responsibility to the Algonquin people and a responsibility to adhere to Algonquin cultural protocols.

Additional Information

In accordance with the Carleton University Undergraduate Calendar Regulations, the letter grades assigned in this course will have the following percentage equivalents:

A+ = 90-100

B+ = 77-79

C+ = 67-69

D+ = 57-59

A = 85-89

B = 73-76

C = 63-66

D = 53-56

A - = 80-84

B - = 70-72

C - = 60-62

D - = 50-52

F= Below 50

WDN = Withdrawn from the course

DEF = Deferred

Academic Regulations, Accommodations, Plagiarism, Etc.

University rules regarding registration, withdrawal, appealing marks, and most anything else you might need to know can be found on the university's website, here:

<https://calendar.carleton.ca/undergrad/regulations/academicregulationsoftheuniversity/>

Carleton is committed to providing academic accessibility for all individuals. You may need special arrangements to meet your academic obligations during the term. The accommodation request processes, including information about the Academic Consideration Policy for Students in Medical and Other Extenuating Circumstances, are outlined on the Academic Accommodations website (<https://students.carleton.ca/course-outline/>). For an accommodation request, the processes are as follows:

Academic Accommodations for Students with Disabilities

The Paul Menton Centre for Students with Disabilities (PMC: <https://carleton.ca/pmc/>) provides services to students with Learning Disabilities (LD), psychiatric/mental health disabilities, Attention Deficit Hyperactivity Disorder (ADHD), Autism Spectrum Disorders (ASD), chronic medical conditions, and impairments in mobility, hearing, and vision. If you have a disability requiring academic accommodations in this course, please contact PMC at **613-520-6608** or pmc@carleton.ca for a formal evaluation. If you are already registered with the PMC, contact your PMC coordinator to send your **Letter of Accommodation** at the beginning of the term, and no later than two weeks before the first in-class scheduled test or exam requiring accommodation (*if applicable*).

*The deadline for contacting the Paul Menton Centre regarding accommodation for October/November examinations is **October 1, 2026** and **November 15, 2026** for December examinations.

For Religious Obligations:

Please contact your instructor with any requests for academic accommodation during the first two weeks of class, or as soon as possible after the need for accommodation is known to exist. For more details, visit the Equity Services website: www.carleton.ca/equity/wp-content/uploads/Student-Guide-to-Academic-Accommodation.pdf

For Pregnancy:

Please contact your instructor with any requests for academic accommodation during the first two weeks of class, or as soon as possible after the need for accommodation is known to exist. For more details, visit the Equity Services website: www.carleton.ca/equity/wp-content/uploads/Student-Guide-to-Academic-Accommodation.pdf

For Survivors of Sexual Violence

As a community, Carleton University is committed to maintaining a positive learning, working and living environment where sexual violence will not be tolerated, and where survivors are supported through academic accommodations as per Carleton's Sexual

Violence Policy. For more information about the services available at the university and to obtain information about sexual violence and/or support, visit: www.carleton.ca/sexual-violence-support

Accommodation for Student Activities

Carleton University recognizes the substantial benefits, both to the individual student and for the university, that result from a student participating in activities beyond the classroom experience. Reasonable accommodation must be provided to students who compete or perform at the national or international level. Please contact your instructor with any requests for academic accommodation during the first two weeks of class, or as soon as possible after the need for accommodation is known to exist.

<https://carleton.ca/senate/wp-content/uploads/Accommodation-for-Student-Activities-1.pdf>

Plagiarism

Plagiarism is the passing off of someone else's work as your own and is a serious academic offence. For the details of what constitutes plagiarism, the potential penalties and the procedures refer to the section on Instructional Offences in the Undergraduate Calendar. Students are expected to familiarize themselves with and follow the Carleton University Student Academic Integrity Policy (See <https://carleton.ca/registrar/academic-integrity/>). The Policy is strictly enforced and is binding on all students. Academic dishonesty in any form will not be tolerated. Students who infringe the Policy may be subject to one of several penalties.

Generative Artificial Intelligence Tools (e.g. ChatGPT)

Unless explicitly permitted, either generally or for a specific assignment, any use of generative AI tools to produce assessed content is considered a violation of academic integrity standards.

As our understanding of the uses of AI and its relationship to student work and academic integrity continue to evolve, students are required to discuss their use of AI in any circumstance not described here with the course instructor to ensure it supports the learning goals for the course.

Note: Students can also access resources related to citing Generative AI on the [MacOdrum Library website](#).

What are the Penalties for Plagiarism?

A student found to have plagiarized an assignment may be subject to one of several penalties including but not limited to: a grade of zero, a failure or a reduced grade for the piece of academic work; reduction of final grade in the course; completion of a remediation process; resubmission of academic work; withdrawal from course(s); suspension from a program of study; a letter of reprimand.

What are the Procedures?

All allegations of plagiarism are reported to the faculty of Dean of FASS and Management. Documentation is prepared by instructors and departmental chairs. The Dean writes to the student and the University Ombudsperson about the alleged plagiarism. The Dean reviews the allegation. If it is not resolved at this level then it is referred to a tribunal appointed by the Senate.

Statement on Student Mental Health:

“As a student you may experience a range of mental health challenges that significantly impact your academic success and overall well-being. If you need help, please speak to someone. There are numerous resources available both on- and off-campus to support you. For more information, please consult <https://wellness.carleton.ca/>”

Emergency Resources ([on and off campus](#))

- Crisis/Urgent Counselling Support: 613-520-6674 (Mon-Fri, 8:30-4:30)
- Suicide Crisis Helpline: call or text 9-8-8, 24 hours a day, 7 days a week.
- For immediate danger or urgent medical support: call 9-1-1

Carleton Resources

- Mental Health and Wellbeing: <https://carleton.ca/wellness/>
- Health & Counselling Services: <https://carleton.ca/health/>
- Paul Menton Centre: <https://carleton.ca/pmc/>
- Academic Advising Centre (AAC): <https://carleton.ca/academicadvising/>
- Centre for Student Academic Support (CSAS): <https://carleton.ca/csas/>
- Equity & Inclusivity Communities: <https://carleton.ca/equity/>

Off Campus Resources

- Distress Centre of Ottawa and Region: call 613-238-3311, text 343-306-5550, or connect online at <https://www.dcottawa.on.ca/>
- Mental Health Crisis Service: call 613-722-6914 or toll-free 1-866-996-0991, or connect online at <http://www.crisisline.ca/>
- Good2Talk: call 1-866-925-5454 or connect online at <https://good2talk.ca/>
- The Walk-In Counselling Clinic: for online or on-site service
<https://walkincounselling.com>

Important Information:

- Student or professor materials created for this course (including presentations and posted notes, labs, case studies, assignments and exams) remain the intellectual property of the author(s). They are intended for personal use and may not be reproduced or redistributed without prior written consent of the author(s).
- Students must always retain a hard copy of all work that is submitted.
- Standing in a course is determined by the course instructor subject to the approval of the Faculty Dean. This means that grades submitted by the instructor may be subject to revision. No grades are final until they have been approved by the Dean.
- Carleton University is committed to protecting the privacy of those who study or work here (currently and formerly). To that end, Carleton's Privacy Office seeks to encourage the implementation of the privacy provisions of Ontario's *Freedom of Information and Protection of Privacy Act* (FIPPA) within the university.
- In accordance with FIPPA, please ensure all communication with staff/faculty is via your Carleton email account. To get your Carleton Email you will need to activate your [MyCarletonOne account](#) through Carleton Central. Once you have activated your MyCarletonOne account, log into the [MyCarleton Portal](#).
- Please note that you will be able to link your MyCarletonOne account to other non-MyCarletonOne accounts and receive emails from us. However, for us to respond to your emails, we need to see your full name, CU ID, and the email must be written from your valid MyCarletonOne address. Therefore, it would be easier to respond to your inquiries if you would send all email from your connect account. If you do not have or have yet to activate this account, you may wish to do so by visiting <https://students.carleton.ca/>.

Date	Activity
FALL TERM 2026	
August 31, 2026	Last day for receipt of applications from potential fall (November) graduates.
September 2, 2026	Deadline for course outlines to be made available to students registered in full fall, early fall, and fall/winter courses.
September 7, 2026	Statutory holiday. University closed.
September 8, 2026	Academic orientation (undergraduate and graduate students).
	Orientation for new Teaching Assistants.
	All new students are expected to be on campus. Class and laboratory preparations, departmental introductions for students, and other academic preparation activities will be held.
September 9, 2026	Fall term begins. Full fall, early fall, and fall/winter classes begin.
September 15, 2026	Last day for registration and course changes (including auditing) in early fall courses.
September 18-20, 2026	Full summer and late summer term deferred final examinations will be held.
September 22, 2026	Last day for registration and course changes (including auditing) in full fall, late fall, and fall/winter courses.
	Last day to withdraw from early fall courses with a full fee adjustment.
	Graduate students who have not electronically submitted their final thesis copy to Graduate Studies will not be eligible to graduate in fall 2026 and must register for the fall 2026 term.

September 30, 2026	Last day to withdraw from full fall and fall/winter courses with a full fee adjustment.
October 1, 2026	Last day for academic withdrawal from early fall courses.
	Last day to request Formal Examination Accommodations for Oct/Nov final examinations from the Paul Menton Centre for Students with Disabilities. Note that it may not be possible to fulfil accommodation requests received after the specified deadlines.
October 9, 2026	December examination schedule (fall term final and fall/winter mid-terms) available online.
October 12, 2026	Statutory holiday. University closed.
October 15, 2026	Last day for receipt of applications for admission to an undergraduate degree program for the winter term from applicants whose documents originate from outside Canada or the United States.
October 16, 2026	Last day for summative tests or examinations, or formative tests or examinations totaling more than 15% of the final grade, in early fall term undergraduate courses, before the official Oct/Nov final examination period (see examination regulations in the Academic Regulations of the University section of the Undergraduate Calendar/General Regulations of the Graduate Calendar).
October 23, 2026	Last day of early fall classes.
	Last day for final take-home examinations to be assigned in early fall courses, with the exception of those conforming to the examination regulations in the Academic Regulations of the University section of the Undergraduate Calendar/General Regulations of the Graduate Calendar.
	Last day that can be specified by a course instructor as a due date for term work for early fall courses.

October 26, 2026	Deadline for course outlines to be made available to students registered in late fall courses.
October 26-30, 2026	Fall break, no classes.
October 31- November 1, November 7-8, 2026	Final examinations in early fall undergraduate courses will be held.
November 2, 2026	Late fall classes begin.
November 13, 2026	Last day to withdraw from late fall term courses with a full fee adjustment.
November 15, 2026	Last day for academic withdrawal from full fall and late fall courses.
	Last day to request Formal Examination Accommodations for December full fall and late fall examinations and fall/winter midterm examinations from the Paul Menton Centre for Students with Disabilities. Note that it may not be possible to fulfil accommodation requests received after the specified deadlines.
	Last day for receipt of applications for admission to an undergraduate degree program for the winter term.
November 20-22, 2026	Early fall undergraduate deferred final examinations will be held.
November 27, 2026	Last day for summative tests or examinations, or formative tests or examinations totaling more than 15% of the final grade, in full fall term or fall/winter undergraduate courses, before the official December final examination period (see examination regulations in the Academic Regulations of the University section of the Undergraduate Calendar/General Regulations of the Graduate Calendar).
November 30, 2026	Last day for receipt of applications from potential winter (February) graduates.

December 4, 2026 Last day for graduate students to submit their supervisor-approved thesis, in examinable form to the department.

Last day for summative tests or examinations, or formative tests or examinations totaling more than 15% of the final grade, in late fall term undergraduate courses, before the official final examination period (see examination regulations in the Academic Regulations of the University section of the Undergraduate Calendar/General Regulations of the Graduate Calendar).

December 11, 2026 Fall term ends.

Last day of full fall and late fall classes.

Classes follow a Monday schedule.

Last day for final take-home examinations to be assigned, with the exception of those conforming to the examination regulations in the Academic Regulations of the University section of the Undergraduate Calendar/General Regulations of the Graduate Calendar.

Last day that can be specified by an instructor as a due date for term work for full and late fall courses.

Last day for receipt of applications for undergraduate degree program transfers for winter term.

December 12-23, 2026 Final examinations in full fall and late fall courses and mid-term examinations in fall/winter courses will be held. Examinations are normally held all seven days of the week.

December 23, 2026 All final take-home examinations are due on this day, with the exception of those conforming to the examination regulations in the Academic Regulations of the University section of the Undergraduate Calendar/General Regulations of the Graduate Calendar.

December 24, 2026 University closed.
at noon through
January 1, 2027
inclusive

COURSE OUTLINE

<u>Date</u>	<u>Topics and Required Readings</u>
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Part I: Introduction to Social Inquiry

Sept 15, 22, 29 Main Topics: How to Learn and Know; Foundations of Social Science Research; Theory and Data.
Readings: Chs. 1 and 2

Part II: Structuring of Social Inquiry

Oct 6, 13 Main Topics: Research Design; Units of Analysis and Time Dimensions; Measurement and variables; Logic of Sampling; Sampling Error and Bias.
Readings: Ch. 4, 5, and 6

Part III: Quantitative Research

Oct 20,
Nov 3, 10 Main Topics: Experimental Design; Survey Research; Existing Statistics; Evaluation Research.
Readings: Chs. 7, 8, and 12

Part IV: Data Analysis

Nov 17, 24
Dec 1, 8 Main Topics: Quantification; Univariate and Bivariate/multivariate Analysis; Elaboration Methods and Interpretation; Descriptive and Inferential Statistics. Reading and Writing Social Research; Reviewing Literature and reporting research findings.
Readings: Chs. 14, 15, 16, and 17