

# Social Data Analytics

The master's (Sc.M.) program in Social Data Analytics trains students in advanced techniques for data collection and analysis.

For more information on admission and program requirements, please visit the following website: <https://graduateprograms.brown.edu/graduate-program/social-data-analytics-scm> (<https://graduateprograms.brown.edu/graduate-program/social-data-analytics-scm/>)

The master's program in Social Data Analytics is a terminal degree program designed to be completed in two semesters. The program requires eight courses including an optional intensive Research Internship that is attached to a faculty Directed Research Practicum.

Brown undergraduates who enter the program as fifth-year Master's students are allowed to use up to two undergraduate courses to count towards the eight credit requirements if the courses are among the required or elective courses for the program.

All entering students are required to have

1. One-semester introductory statistics course (SOC 1100 Introductory Statistics for Social Research or an equivalent),
2. More advanced course in statistics or a course in college calculus (MATH 0050 and 0060, or MATH 0090 or an equivalent), and
3. One-semester course in research methods (SOC 1020 Methods of Social Research or an equivalent).

## Two Required Courses

SOC 2010	Multivariate Statistical Methods I	1
SOC 2020	Multivariate Statistical Methods II	1

## Five Elective Advanced Analysis Courses Across Three Topical Areas

### Qualitative Methods of Investigation and Market Research

SOC 1117	Focus Groups for Market and Social Research	1
SOC 1118	Context Research for Innovation	1
SOC 1120	Market and Social Surveys	1
SOC 2210	Qualitative Methods	1
SOC 2250	Ethnography: Theory and Practice	1
SOC 2430	Fields and Methods of Social Research	1
SOC 2600	Comparative Historical Analysis	1

### Spatial Analysis

SOC 1340	Principles and Methods of Geographic Information Systems	1
SOC 1871W	Geographical Analysis of Society	1
SOC 2610	Spatial Thinking in Social Science	1
SOC 2612	Geographic Information Systems and Spatial Analysis for the Social Sciences	1
SOC 2960G	Spatial Data Analysis Techniques in the Social Sciences	1
SOC 2961B	Applications in Geographic Information Systems	1

### Advanced Multivariate Methods for Population Analysis and Behavioral Modeling

SOC 2230	Techniques of Demographic Analysis	1
SOC 2240	Event History Analysis	1
SOC 2960S	Statistical Methods for Hierarchical and Panel Data	1
SOC 2960Y	Causal Analysis	1
SOC 2961M	Computational Methods for Social Scientists	1

## One Substantive Course in Sociology

To be selected from a pre-approved list of graduate courses (2000-level) taught in the Department of Sociology

## Research Internship and Directed Research Practicum

Students may elect to enroll in a faculty Directed Research Practicum (SOC 2982) in the first or second semester in conjunction with a research internship. The internship provides students with hands-on experience in social research. Internship experiences may occur outside of the department (either off-campus with a local organization in the for-profit or not-for-profit sector or an on-campus organization) or on a faculty member's research project. Activities may range from data collection, data entry, data file management, descriptive analyses, and more advanced model estimation. Students sometimes opt to design their own project under the supervision of a faculty member.