The Practicum in Analysis and Research is for students participating in the Sociology Department's Concentration in Analysis and Research. The course is designed to complement the Concentration's required internship; only students who have completed or are currently engaged in internships may enroll. The seminar provides hands-on experience in quantitative data analysis and interpretation, and in research reporting (including writing, use of tables and/or graphs, and oral presentations). Students will also explore career options and strategies in social science research.

Text and Readings
Readings will also be assigned from the following two books available at University Bookstore.


If you prefer to work with Stata, you may also wish to purchase the *Stata Users Guide* (Version 10) Stata Press.

Copies of *The Little SAS Book* and *Stata Users Guide* are available for use in the CDE Library (4218 Social Science).

I will also provide copies of supplementary readings as necessary.

Assignments and Grades
The research internship is pass/fail, based on evaluations by internship supervisors; students who do not satisfactorily complete the internship will not receive credit for 693. Seminar assignments and grading are summarized below:

- 20 % analysis assignment
- 20 % analysis written report
- 15 % internship written report
- 15 % analysis oral presentation
- 15 % internship oral presentation
- 15 % class participation (includes peer reviews)
Analysis grades will be based on timeliness and completeness of analysis assignments, with some consideration for degree of difficulty. Written reports and oral presentations will be graded in terms of substantive content and writing/presentation quality. Class participation includes attendance, participation in discussions, peer reviews, and such other contributions as advising other class members on analytic problems or providing information on job or graduate school opportunities. **All written assignments are to be turned in by email to Professor Schwartz.**

**Class schedule**

(Schedule is subject to change. Please pay attention to room in which class is meeting – we have several sessions in rooms other than the regular classroom).

**Jan 22** Introductions and overview

**Jan 29** Effective writing  
Brad Hughes, UW Writing Center  
**Read:** Cuba, Chapter 1 (The Practice of Writing)  
Cuba, Chapter 8 (Revising)

**Feb 5** Internship Presentations  
**Due:** Presentation outline and handouts (optional)  
**Read:** Cuba, Chapter 6 (Oral Presentations) pp. 152-162

**Feb 12** Accessing Electronic Data, Analysis Projects, and Data Documentation  
Charlie Fiss and Jack Solock, Data Library Core  
**Due:** Brief summary of possible research questions and data (2 or 3 possibilities)

**Feb 19** Review of research methods and basic statistics  
**Read:** Chapters 1, 2, and 5 - Retherford, R.D. and M.K. Choe. 1993. *Statistical Models for Causal Analysis* (Handout)

**Feb 26** SAS Windows & Computer Lab Training  
Doug Hemken – Social Science Computing Cooperative  
(class held in 3218 Social Science)  
**Due:** Draft internship report (copies to instructor and peer reviewer #1)  
**Read:** Chapters 1 and 2 – Little SAS book  
See SAS Reading Assignments for online readings
Mar 4 SAS: Variable Construction & Checking
Doug Hemken – Social Science Computing Cooperative
(class held in 3218 Social Science)
Due: Draft analysis proposal
    Draft codebook - data for analysis
    Peer reviews of draft internship reports
Read: Chapters 3 and 4 – Little SAS book
    See SAS Reading Assignments for online readings

Mar 11 SAS Bivariate and Multivariate Analysis
Doug Hemken - – Social Science Computing Cooperative
(class held in 3218 Social Science)
Due: Descriptive statistics, analytic sample, incl. constructed variables
Read Chapter 7 – Little SAS book
    See SAS Reading Assignments for online readings

Mar 18 Spring Break – no class

Mar 25 Introduction to Microsoft Access – part 1
Eric Miller - Software Training for Students
(Class held in B109 Computer Science Building)
Due: Final internship report
Reread: Cuba, Chapter 8 (Revising)
    Handouts from Writing Center

Apr 1 Introduction to Microsoft Access – part 2
Eric Miller - Software Training for Students
(Class held in B109 Computer Science Building)
Due: Final analysis plan, codebook, and bivariate statistics

Apr 8 Preparing resumes and writing cover letters
Sheila Jensen - L&S/Human Ecology Career Services
Due: Multivariate statistics
    Draft introduction & methods (copies to instructor and peer reviewer #2)

Apr 15 CAR grad panel (speakers TBA)
Due: Peer reviews - draft intro/methods
    Draft results and conclusions, including tables and graphs
    (copies to instructor and peer reviewer #3)
    Draft resume (copies to instructor and peer reviewer #4)

Apr 22 Effective presentations
Speaker, TBA
Due: Peer reviews - draft results and conclusions
    Peer reviews – draft resume
April 29 Research presentations
   **Due:** Outline, Handouts
   **Reread:** Cuba, Chapter 6 (Oral Presentations) pp. 152-162

May 6 Research presentations continued
   **Due:** Final research report
   Final resume

HANDOUTS IN ASSIGNMENT PACKET

Syllabus & Preliminary Schedule

Internship Report

Analysis Project and Analysis Plan

Data Documentation

SAS Reading Assignments

Analysis: Defining and Describing Data

Peer Reviews

Bivariate Associations

Multivariate Analyses

Report on Quantitative Analysis: Introduction, Sample & Measures

Report on Quantitative Analysis: Analysis, Results & Conclusions

Tables and Graphs

Guidelines for Research Presentation