

Syllabus
CSDE 502 Winter 2017

Instructors and Office Hours

Cori Mar Raitt Hall 218C cmmar@uw.edu Office hours by appointment	Anita Rocha Raitt Hall 218L alrocha@uw.edu Office hours by appointment
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Time and Location

Friday 10:30am to 12:20pm
Savery 121 (small CSSCR computer lab)

Course Description

This course is part of the training in demography and population studies required course for students wishing to obtain CSDE Trainee status. However, it is open to all interested students. (See <http://csde.washington.edu/training/traineesprog.shtml> for more details).

This course is meant to fill a perceived curriculum gap between methods courses that emphasize study design and statistics courses that teach statistical analysis. It focuses on applied methods for data preparation and will introduce the following topics: database design and query, data management and documentation, data cleaning and variable creation, sampling and complex survey design, and reproducibility.

Pre-requisites

Introductory level research methods and statistics, and familiarity with Stata.

Requirements and Grading

This is a 2 credit, pass/fail course. In order to pass the course, students must attend all of the lectures and satisfactorily complete all but one of the homework assignments. There will be weekly lectures and homework most weeks.

Course Outline

Class 1: Jan 6	Documentation, organization, naming conventions, codebooks (Anita)
Class 2: Jan 13	Introduction to relational databases and AddHealth (Anita)
Class 3: Jan 20	Introduction to Stata, Introduction to Add Health data (Anita)
Class 4: Jan 27	Pseudo-code, variable creation (Cori)
Class 5: Feb 3	Scale scoring (Cori)
Class 6: Feb 10	Loops in Stata (Anita)
Class 7: Feb 17	R, RStudio (Cori)
Class 8: Feb 24	R, RStudio (Cori)

Class 9: Mar 3	Reproducibility (Cori)
Class 10: Mar 10	Sampling (Cori), Complex Survey Design (Anita)

Class email list: csde502a_wi17@u.washington.edu

Class materials can be found either on the course's LMS Canvas site or in the folder
R:\Project\CSDE502\2017

Homework is due Thursday at 9am. If applicable, apply a helpful naming convention for your documents such as with *lastname_HWn*.

Accommodation

Please let us know if you need accommodations of any sort. In the classroom we will be using computers, so we can work together with the University of Washington to provide what you require.