



## CSSCR Spring Newsletter, Volume II

### ICPSR Direct for UW Campus

[Inter-university Consortium for Political and Social Research](#) (ICPSR) is a major data repository for the social sciences, with a data archive of more than 500,000 files and 16 specialized collections of data in education, aging, criminal justice, substance abuse, terrorism, and other fields.

ICPSR is a membership organization of over 550 universities and research institutions worldwide. At the UW, CSSCR serves as the institutional liaison, providing access to the data, as well as support in finding, locating and using the data. For many years, UW on-campus users have had access to many ICPSR data sets from [our web-based data collection](#). We intend to continue this service for our on-campus users. Now there is a additional way to access ICPSR data: ICPSR Direct.

With ICPSR Direct, you can search or browse the ICPSR online catalog of holdings, and then download data sets directly from ICPSR. To get started, [register for an ICPSR MyData account](#) from their login page and provide your academic status, department, password and other preferences. After registration, you will log in using your email address and password.

Data downloads are limited to UW internet (IP) addresses. If you are working from a campus computer, downloads will work automatically. If you are working from an off-campus computer, you must use one of several methods to download data.

- (1) Use an on-campus VPN. For example, CSDE offers a VPN to its affiliates that provides an "IP tunnel" to off-campus computers.
- (2) Remotely log into a campus machine through a terminal server.
- (3) Use the [UW Library proxy service from our ICPSR web page](#). You will be prompted for your UWNetID and password.

Rutgers University offers [a brief video introduction to ICPSR](#).

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The Center for Social Science Computation and Research will be offering the following courses during Spring Quarter.

#### Intro to Eviews

**Description:** Eviews is a statistical package for time-series and econometric analysis. This hour, I'll introduce you to the functions of loading and manipulating data, as well as running regressions.

**Instructor:** Laine Rutledge

**Date:** Tuesday, April 14

**Time:** 2:00pm-2:50pm

**Place:** Savery 121

#### Introduction to Qualitative Research and ATLAS.ti

**Description:** This course provides a brief introduction to computer software for qualitative data analysis, including a brief comparison of two options, ATLAS.ti and the cloud-based Dedoose. The class will then provide a practical introduction to working in ATLAS.ti, covering basic terminology and functionality of the program. This will include importing documents (text and other media types), coding and annotating documents, and exploring relationships through visual analysis and built-in analysis and query tools. Time permitting, we may also briefly discuss best practices for data management.

**Instructor:** Carolina Johnson

**Date:** Wednesday, April 22

**Time:** 12:30pm-1:20pm

**Place:** Savery 121

#### How to use the American Community Survey Estimates

**Description:** The Census Bureau's American Community Survey (ACS) is a great source for detailed population and household characteristics, giving estimates and margins of error (MOE) for many aspects of the American population. However, sometimes users must blend ACS results in order to arrive at the exact measure needed. In this class, we will explore some Excel based templates containing several "calculators" that let users enter the published ACS estimates and MOEs from the Census Bureau to assess the precision of individual estimates, to compare pairs of estimates for their statistical differences, and to calculate the MOEs and Standard Errors (SEs) for summing/subtracting, proportion and ratios of estimates. We will also introduce the ACS Mapping extension in ArcGIS, a tool that can map/visualize ACS estimates along with their precisions, e.g. MOEs, SEs and Coefficient of Variation (CVs), and the tests of statistical significance among the estimates.

**Instructor:** Tina Tian

**Date:** Wednesday, April 22

**Time:** 3:30pm-4:20pm

**Place:** Savery 121

### **Introduction to GIS**

**Description:** This course will provide students with a broad overview of what geographic information systems (GISs) are and how social scientists can benefit from using them in their research. Students will explore basic GIS concepts through hands-on exercises using ArcGIS, a widely used GIS software package, as well as freely available data sets.

**Instructor:** Will Brown

**Date:** Tuesday, April 28

**Time:** 9:30am-10:20am

**Location:** Savery 117

### **Intro to R Base Graphics**

**Description:** We will cover how to create graphs in R using the base graphics package, including how to set graphical parameters to customize graphs so they look better.

**Instructor:** Stephanie Lee

**Date:** Wednesday, April 29

**Time:** 2:30pm-3:20pm

**Place:** Savery 117

### **Introduction to SPSS**

**Description:** This course will cover the basics of the SPSS package. This is an ideal course for students with no experience with this software. We will cover the structure of SPSS and how to input, manipulate, analyze and show statistical data.

**Instructor:** Linda Liaw

**Date:** Thursday, April 30

**Time:** 1:30pm-2:20pm

**Place:** Savery 121

### **Intermediate SPSS**

**Description:** This class will be a brief review of basic SPSS usage (data input, selection, recoding, descriptive analysis), and then we will look at cross-tab, t-test, correlation and regression analyses. I'll show you both GUI (drop-down menus) and Syntax usage of the SPSS package.

**Instructor:** Shin Lee

**Date:** Thursday, May 7

**Time:** 1:30pm-2:20pm

**Place:** Savery 121

### **Introduction to Stata**

**Description:** This introductory Stata class will cover the working environment and structure of Stata. We will then cover basics of data management and end with simple examples of statistical analysis in Stata. No prior knowledge of Stata is necessary but a basic understand of statistics would be helpful.

**Instructor:** Sergio Garcia-Rios

**Date:** Wednesday, May 13

**Time:** 1:30pm-2:20pm

**Place:** Savery 121

### **Introduction to Excel**

**Description:** In this hands-on course, you will learn the fundamentals of using Excel including: data entry, basic computation, elementary charts and graphs, and some statistical functions. Prior knowledge of Excel is not necessary.

**Instructor:** Katelyn Stickel

**Date:** Thursday, May 14

**Time:** 5:30pm-6:20pm

**Place:** Savery 135



## R Graphics using ggplot2

**Description:** This class is an introduction to the popular graphics package ggplot2. We will discuss the structure of the ggplot2, including the basic elements of the underlying "grammar" and how plots can be built-up in a layered fashion. We will then use ggplot2 to produce a number of different plots, such as line graphs, histograms, and boxplots. Basic familiarity with R is assumed.

**Instructor:** Colin Beam

**Date:** Tuesday, May 19

**Time:** 12:00pm-12:50pm

**Place:** Savery 121

To register for the above classes, [just follow this link.](#)

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**The Center for Social Science Computation and Research (CSSCR)** is an interdepartmental computer center in the College of Arts and Sciences at the University of Washington. CSSCR provides facilities and consulting support for computing activity related to teaching and research at the University.

## Hours of Operation

Consulting: 8:00 a.m. to 9:00 p.m. M - R,  
8:00 am to 5:00 p.m F

Administration: 8:00 a.m. - 12:00 p.m.,  
1:00 - 5:00 p.m. M - F

*Closed 25 May in observance of Memorial Day*

## Contact Us

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[CSSCR on Twitter](#)

If you would like to request academic accommodations due to a disability, please contact Disabled Student Services, 448 Schmitz, 543-8924 (V/TDD). If you have a letter from Disabled Student Services indicating you have a disability that requires academic accommodations, please present the letter to Darryl Holman at CSSCR so we may discuss the accommodations you might need for class.

