ICPSR enters a new agreement with the Digital Preservation Network.

What’s new for #ICPSRSummer?

See the lineup of new statistical summer courses for 2017.
Enhancing our commitment
to data preservation

ICPSR is a longtime member of the Data Preservation Alliance for the Social Sciences (Data-PASS), which recently joined the Digital Preservation Network (DPN). Data-PASS members can now deposit data into DPN, a membership organization dedicated to developing the services, tools, and infrastructure needed by research and cultural heritage institutions for the long-term preservation of digital content. DPN has also developed the legal agreements that enable succession and protect against institutional failure.

DPN is comprised of members working together to address the most difficult challenges of preserving scholarship to secure it for the next generation of scholars and beyond. The Data Preservation Alliance for the Social Sciences (Data-PASS) is a voluntary partnership of organizations created to archive, catalog and preserve data used for social science research.

ICPSR Director Maggie Levenstein expressed her enthusiasm for the new agreement. “Partnering with DPN extends one of the original goals of the Data-PASS partners: replicated preservation of archival collections. We look forward to working with DPN to ensure the long-term preservation of important social science data collections.”

“Data-PASS has placed its trust in DPN for the long term preservation of its content. ICPSR and other Data-PASS partners have joined with DPN members to ensure that their valuable digital assets are protected for scholars long into the future. By depositing the content into the DPN network of repositories, these important data collections will be available to future generations of researchers,” said Mary Molinaro, DPN’s executive director.

By Dory Knight-Ingram

Since its founding in 1962, ICPSR has maintained several copies of its data holdings in off-site locations. Now, a new agreement will further enhance ICPSR’s commitment to long-term data preservation.
Bayesian Latent Variable Analysis,
July 17-21, Chapel Hill, NC

The Bayesian paradigm is, in many ways, superior to classic techniques for estimating models with latent variables. This workshop will cover the factor and IRT models and introduce a variety of new tools for estimating models with latent variables as either explanatory or outcome variables.

Applications of Models for Longitudinal and Multilevel Data in R and Stan,
July 17-21, Toronto

Mixed and hierarchical models allow researchers to analyze complex data with observations that are interdependent as a result of clustering or proximity in time or space. This workshop will present models for longitudinal and multilevel data using mixed-effects models in the 'nlme' package in R, and then explore uses of Bayesian Markov Chain Monte Carlo methods, specifically Hamiltonian Monte Carlo implemented with the STAN modeling language, to extend the reach of the ideas of mixed-effects models.

Statistical Graphics,
July 31 - August 2, Chapel Hill, NC

This workshop will cover strategies for obtaining visual displays of quantitative information, including univariate, bivariate, multivariate, and categorical data. This is important because graphical representations avoid some of the restrictive and simplistic assumptions that often are encountered in empirical analyses. The workshop will focus primarily on the 'lattice' package in the R statistical computing environment, although we will also examine some of the other graphical packages that exist within R.

Bayesian Multilevel Models,
July 31 - August 4, Berkeley, CA

This workshop will introduce the Bayesian multilevel model framework. Bayesian methods allow for an extremely flexible approach for estimating hierarchical models with a variety of different types of dependent variables. The Bayesian approach simplifies several of the assumptions of the classical techniques for MLMS and directly estimates a variety of quantities of interest that require post-estimation methods in the non-Bayesian framework.

Panel Data Using Stata,
August 2-4, Ann Arbor, MI

This workshop will focus on econometric methods for analyzing panel data and specific procedures for carrying them out using Stata. The workshop will begin with a review of regression analysis, and then examine procedures suitable for datasets with many panels and few time periods. For this type of data, the course will cover linear fixed-effects and random-effects models, linear dynamic panel-data models, and nonlinear fixed and random-effects models.

Summer Program | Continued on page 6
Machine Learning: Applications and Opportunities in the Social Sciences, August 7-11, Ann Arbor, MI

The field of machine learning is most commonly associated with “big data”: how we can use massive datasets to make better predictions about things like credit card fraud, Netflix recommendations, and the like. A growing number of social scientists are taking advantage of these methods to uncover patterns embedded in data, test and improve model specification and predictions, and perform data reduction. This workshop will cover the mechanics underlying machine learning methods, including decision trees, random forests, boosting, k-means clustering and nearest neighbors, support vector machines, kernels, neural networks, and ensemble learning.

Survey Data Analysis Using Stata, August 14-16, Ann Arbor, MI

This workshop will cover how to use Stata for survey data analysis assuming a fixed population. It will begin with a review of sampling methods used to collect survey data, and then discuss how they act in the estimation of totals, ratios, and regression coefficients. The workshop will also cover variance estimation methods implemented in Stata’s survey estimation commands; strata with a single sampling unit; certainty sampling units; subpopulation estimation; and poststratification.

Learn more about our four-week courses from the instructors who teach them!
Curious about assignments, prerequisites, or course goals for one of our four-week courses? Visit our library of course description videos, where you’ll find interviews with our four-week instructors. In these videos, our instructors provide a detailed overview of what you can expect to learn and do in their courses.

2017 Short Workshop Locations
Ann Arbor, MI; Chapel Hill, NC; Boulder, CO; Amherst, MA; Berkeley, CA; Bloomington, IN; Glasgow, Scotland; Kowloon, Hong Kong; and Toronto, Ontario

Contact: Stephanie Carpenter
new releases (Cont.)

January 1 – May 31, 2017

36737 The Hawaii Personality and Health Cohort, 1959-1967; Childhood Personality Data
36738 Sit Together and Read in Early Childhood Special Education Classrooms in Ohio (2008-2012)
36743 Health Reform Monitoring Survey, Third Quarter 2015
36744 Health Reform Monitoring Survey, First Quarter 2016
36745 Flint Community Schools GIS Data, 2016 [Flint, Michigan]
36755 Chitwan Valley [Nepal] Family Study: Labour Outmigration, Agricultural Productivity and Food Security
36756 Shared-gaze collaborative search experiment
36759 Census of Publicly Funded Forensic Crime Laboratories, 2014
36761 Effects of ambient and haptic temperature experience on prosocial choices (US/UK 2014)
36762 Firearm Injury Surveillance Study, 1993-2013
36767 Self Esteem by Age, Gender, & Sociocultural Region
36769 Substance Use Among Violently Injured Youth in an Urban Emergency Department: Services and Outcomes in Flint, Michigan, 2009-2013 (Public-Use)
36783 Public Libraries in the United States Survey, 2014
36789 Uniform Crime Reporting Program Data: Offenses Known and Clearances by Arrest, 2015
36790 Uniform Crime Reporting Program Data: Supplementary Homicide Reports, 2015
36791 Uniform Crime Reporting Program Data: Police Employee (LEOKA) Data, 2015
36792 Uniform Crime Reporting Program Data: Property Stolen and Recovered, 2015
36793 Uniform Crime Reporting Program Data: Arson, 2015
36794 Uniform Crime Reporting Program Data: Arrests by Age, Sex, and Race, 2015
36804 American Indian and Alaska Native Head Start Family and Child Experiences Survey (AIAN FACES)
36823 Supporting Practice in the Arts, Research, and Curricula (SPARC), 2012-2015 [United States]

Data is now available to download from 36741 State Health Expenditure Dataset (SHED), 2000-2013. BrianaJackson/iStock/Thinkstock

Introducing a fun new video series about data

ICPSR has launched a new video series called ICPSR 101!

“What is Data Curation” explains the intricacies of the work ICPSR’s data curators do every day to find and fix issues in the data we distribute, ensuring their long-term availability and value to the research community.

“What are Metadata” gives details about something we see as critical to effective data use and preservation. Please share, and enjoy!
LAUNCHING A VALUABLE RESOURCE

During Love Your Data Week in February, we announced the launch of DataLumos, an ICPSR archive for valuable government data resources. Here’s a behind-the-scenes look at how ICPSR was quickly able to go from idea to launch for this valuable data preservation resource.

“From your perspective, how was ICPSR able to go from idea to production on the DataLumos project so quickly?”

“DataLumos was an ‘all hands on deck’ activity for ICPSR. People from many different units contributed and worked under a very short deadline for creating and launching DataLumos. Having already migrated openICPSR to ICPSR’s new repository infrastructure, Archonnes, made the project possible.”

Amy Pienta, ICPSR Acquisitions Director

“Our Archonnes architecture was designed to support multiple archives. While DataLumos is only the second one we’ve added, it’s been part of the plan all along.”

Dan Pritts, Sr. Systems Architect

“ICPSR has spent the last year building a new software architecture that supports the quick and efficient creation of new archives/tenants. DataLumos was our first big opportunity to leverage that work, and to build on our mission of data preservation and dissemination.”

Matthew Richardson, Java Developer

“The infrastructure was already in place from openICPSR. We added and modified some fields relevant to collecting government data and gave DataLumos its own unique look.”

Wendi Fornoff, Senior Web Designer/Admin

“We were able to accomplish everything because of a great team of hard-working people who were willing to put in the time last-minute, over and above their regular workload.”

Jenna Tyson, Multimedia Designer

“This was possible due to teamwork, a passion for data, and a data management infrastructure that enables us to act quickly. The idea arose out of a meeting where staff were lamenting data that were disappearing and thinking about how we might participate in Data Refuge type of events. We wanted to be uniquely ICPSR, however, in supporting specifically government data and making it public (versus putting it in storage without plans for public dissemination). Our mission was to keep data illuminated indefinitely which gave us a name and our graphic design artist a basis for logo design. While Computing and Networking Services and our Web team worked on infrastructure, Acquisitions worked on on policy issues and Web content, and Communications worked on a plan to go live loudly. In two weeks, DataLumos emerged.”

Linda Detterman, Membership and Marketing Director
NEWS AND NOTES

UX testers wanted!
ICPSR is remodeling its data infrastructure and user experience (UX) from the point of data deposit to point of access. The goal is to create a more intuitive UX with added data tools. Testing the UX will be paramount to achieving this goal over the course of the next several months. Interested in test-driving ICPSR’s UX? Register as an ICPSR UX test-driver here!

2017 Biennial ICPSR Meeting (October 11-13) — Registration is Open!
ICPSR has laid the foundation for the biennial meeting that will take place October 11-13, 2017. The theme is, “Building for a Data-Driven Future,” and the meeting program is focused on professional development and practical tips for delivering data services to your institutions. Over 17 workshops and sessions will deliver practical approaches and strategies to discover and access research data, work with data producers to share data, write data management plans, and locate tools and resources to assist in curating, preserving, and managing research data while utilizing ICPSR’s resources. Workshops fill quickly — register now!

Throw in some data in the classroom!
ICPSR’s Teaching & Learning resources are full of standardized exercises to introduce data analysis within your substantive introductory courses, whether you want to change things up for a day or a week. Check out our Data-Driven Learning Guides where analyses are preset so students (and faculty!) can focus on content rather than mechanics of data analysis.

Lisa D. Cook joins ICPSR Council
ICPSR welcomes Lisa D. Cook of Michigan State University to the ICPSR Council. Cook will serve on the Council through February 2018. Cook is an Associate Professor of Economics and International Relations. ICPSR is governed by a 12-person Council whose members are elected by the members of ICPSR. The Council acts on administrative, budgetary, and organizational issues on behalf of all the members of ICPSR.

Share your data in a new fashion!
ICPSR is in the midst of replacing its digital asset management system from ingest (deposit) to access (dissemination). The beta launch of the new deposit manager has launched and is ready to accept your data deposits! Among other benefits, the ICPSR deposit manager offers depositors more control over the presentation of data and documentation files, more project status communications, and a customizable workspace. Still more enhancements will roll out this summer!

Data now available from Survey of HIV Status and Fertility Preferences in Sub-Saharan Africa, 2009-2010
The Survey of HIV Status and Fertility Preferences in Sub-Saharan Africa, 2009-2010 [ICPSR 36718] has been newly released. This survey is one of eight community-based surveys conducted in Zambia and Nigeria exploring how HIV status relates to attitudinal and behavioral measures regarding HIV services and fertility preferences.

Wave 2 Restricted-use Files just released for Population Assessment of Tobacco and Health (PATH) Study
The National Addiction & HIV Data Archive Program (NAHDAP) has just released the Wave 2 questionnaire data from the Population Assessment of Tobacco and Health (PATH) Study. These Wave 2 restricted-use files (RUf) will also be accessed via the ICPSR Virtual Data Enclave.

India Human Development Survey (IHDS), 2005 Data guide now available
The India Human Development Survey (IHDS), 2005 collection has been enhanced with a Data Guide to assist users in more quickly understanding this complex survey. The Data Guide includes information regarding sampling, weights, and merging files, along with other data information. The IHDS is a nationally representative, multi-topic panel survey of households conducted in 1,503 villages and 971 urban neighborhoods across India.

openICPSR refreshed and ready for deposit!
openICPSR, ICPSR’s self-publishing platform, started the spring season with a fresh, new look and enhanced functionality! Indeed, this is data sharing made so easy, even your cat could do it!

Many firsts for ICPSR director!
ICPSR’s Director, Margaret Levenstein, reflects on being the first female and economist to direct ICPSR. Read the full interview.
An ICPSR staffer with a knack for problem solving is the recipient of the 2017 ICPSR Innovator Award. Matthew Richardson becomes the second recipient of the ICPSR Innovator Award for his crucial involvement in setting up tools and interfaces that allow staff across ICPSR to do work independently and efficiently.

Innovator | Continued on page 20
“He is instrumental in many of the innovations that Computing & Network Services (CNS) has embraced and he is helping the rest of the team to navigate the wave of technical change we are implementing at ICPSR, and especially within CNS.”

Harsha Ummerpillai, Architecture/Software Development Lead

“Matthew is involved with many behind-the-scenes projects that are integral to the operation of ICPSR’s activities, including the implementation of new technologies related to Archnonnex, ArtsEngine data visualization, DOI submissions, HTML emails, and more. He has made ICPSR’s Computing and Networking Services (CNS) more efficient by learning new technologies and transferring his skills and knowledge to fellow CNS staff. He has demonstrated that he is not only concerned with fixing today’s problems, but with implementing innovative technologies that will benefit ICPSR in the future,” judges wrote.

Richardson was formally honored at recent ICPSR Council and staff meetings. “I’m thankful for the recognition and for a workplace that encourages innovation,” he said.

Colleagues appreciate ‘a critical resource’

“Some of Matthew’s innovations fall into the area of setting up tools and interfaces that allow non-technical staff to do work that would otherwise have to rely on technical staff for implementation. Others fall into the category of taking leadership in learning new processes and innovations, and then documenting the processes and teaching other staff. He has saved lots of CNS time by being the first to learn new technologies, and then training the rest of the staff,” said Wendi Fornoff, Web Designer and Administrator.

“Over the past 18 months in his new role as a Software Developer, Matthew proved himself to be a critical resource for Archnonnex platform. He proved his skills and ability to learn new technologies at a very fast pace and contributed significantly to all the software releases completed so far. He is instrumental in many of the innovations that CNS has embraced and he is helping the rest of the team to navigate the wave of technical change we are implementing at ICPSR, and especially within CNS, said Harsha Ummerpillai, Architecture/Software Development Lead.

“He has always been responsive when it comes to supporting metadata and Bibliography projects.”

Elizabeth Moss, Associate Librarian

Runners-up:

Congratulations also to a great group of runners-up for the 2017 ICPSR Innovator Award:

- Amy Pienta, Linda Dettetman: Open Data Flint
- Doctor Ashe, Matthew Morley, Jai Holt, and Abay Israel: Organizational Processing Group (OPG)
Alison Stroud and Kaneesha Wallace represent ICPSR, NADAC & Open Data Flint at the American Planning Association’s National Planning Conference in New York City in May.

Bianca Monzon, right, staffs the ICPSR booth at the American Educational Research Association (AERA) gathering in April in San Antonio, Texas.

Dharma Akmon at the Society for Research in Child Development (SRCD) convention in Austin, TX, in April.

Data Sharing for Demographic Research (DSDR)’s John Marcotte, left, and National Archive of Computerized Data on Aging (NACDA)’s Jim McNally at the Population Association of America convention in Chicago in April.

Associate Librarian Elizabeth Moss at the Association of College and Research Libraries (ACRL) in Baltimore, MD, in March.

The China Data Center’s Director Shuming Bao, right, and Xiaosen Wang at the Association for Asian Studies (AAS) annual conference in March in Toronto.

Katey Pillars, Justin Noble, and Meghan Jacobs at Michigan State University for the Michigan State Diversity Fair in January.

The National Archive of Criminal Justice Data (NACJD)’s Kilsang Kim, right, and Chelsea Samples-Steele at the annual gathering for the Academy of Criminal Justice Sciences in Kansas City, MO, in March.

In February, ICPSR participated in Love Your Data Week, a 5-day international event to help researchers take better care of their data. Most of the conversation happened on Twitter. Here are some of our favorite tweets:

I will forever love @ICPSR. You never know how good your data is until you’re living in a data deprived country!  
Danielle KeetonOlsen@DanielleRose84 @ruhsl

If you #loveyourdata, you should love @ICPSR too. Seriously, look at their data enhancement process. You will wish you had their help...; 
Timothy McKay@TimMcKayUM

ICPSR knows how to party! #LYD17 #Yale researchers, if you need to find or deposit soc.sci. data, check out ICPSR! #YaleLovesData
Yale CSSSI
**ICPSR BY THE NUMB3RS**

**257,489** # of people who have visited icpsr.umich.edu  
*Since July 1, 2016*

**Membership Stats**

- **759** member institutions
- Community Colleges
- Specialized
- Associate members
- Canadian Members
- Intensives
- Masters
- BAs
- Extensives
- Foreign members

**Webinars** *Since March 2017*

- **3 Webinars**
- **150+ Attendees**

**Unique Visits to ICPSR Member Sites** *Thru May 18, 2017*

- RCMD: 5,614
- openICPSR: 5,686
- Deposit Data: 10,867
- Data Mgmt: 11,547
- Teaching & Learning: 14,471
- Membership: 21,416
- Summer Program: 34,061
- Find Data: 232,024

**Website Traffic Sources**

- **44%** Search Engines
- **23%** Referral Sites
- **32%** Social
- **1%** Direct

**Top Referrers:**
- Princeton
- rs.io (Robb Seaton website)
- MIDUS – Wisconsin-Madison
- orcid.org
- UNC
- zhidao.baidu.com
- ISR
- ihds.info (India Human Dev Survey)
- Google mail

**Social Media & User Support**

- **3,092** followers
- **4,368** fans
- **800 avg views**
- **23 slideshare presentations**
- **697 subscribers**
- **55,876 minutes**
- **16,475 views**
- **1,920+ opt-in email**
- **250 user support contacts (past mth)**

**ICPSR**

**INTER-UNIVERSITY CONSORTIUM FOR POLITICAL AND SOCIAL RESEARCH**

Margaret Levenstein, Director  
Peter Granda, Associate Director  
Diane Winter, Assistant Director for Administration

**Council members**

- Christine L. Borgman  
  University of California Los Ángeles
- Robert S. Chen  
  Columbia University & CIESIN
- Lisa Cook  
  Michigan State University
- Colin Elman  
  Syracuse University
- Jeremy Freese  
  Stanford University
- Jane Fry  
  Carleton University

- Philip N. Jefferson  
  Swarthmore College
- Michael Jones-Correa  
  University of Pennsylvania
- Verna M. Keith  
  Texas A&M University
- Chandra L. Muller, Chair  
  University of Texas at Austin
- Ronald Nakao  
  Stanford University Libraries
- Robert A. Stine  
  University of Pennsylvania

**Bulletin staff**

Editor: Dory Knight-Ingram  
Graphic Designer: Jenna Tyson

**About us:**

ICPSR is a center within the Institute for Social Research at the University of Michigan.

**INTER-UNIVERSITY CONSORTIUM FOR POLITICAL AND SOCIAL RESEARCH
Margaret Levenstein, Director 
Peter Granda, ... Jenna Tyson
About us:
ICPSR is a center within the Institute for Social Research at the University of Michigan.