ICPSR: A Resource for Data and More

UT-Tyler Membership Interest Walkthrough

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Jan. 20, 2023

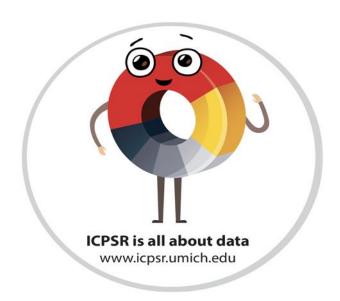






Today's Presentation

- Who/What is ICPSR?
- What can I get at ICPSR?
- How do I find what I need?
- What else does ICPSR have?





Who or What is ICPSR?



Check out our 60 years of groovy data

• www.icpsr.umich.edu

 One of the world's oldest and largest data archives for the social and behavioral sciences

• Founded in 1962

18,000 "studies" (one or more dataset)

• 6,108,000+ variables

• 105,900+ data-related publications

• 815 member institutions

Curated collection and <u>OpenICPSR.org</u>

 Summer Program in Quantitative Methods of Social Research



ICPSR 49



ICPSR and "Open Science"

- Open science focuses on... with the goal of increasing public trust
 - Transparency in research
 - Replicability
 - Using research resources wisely/removing barriers to participating in science

• ICPSR:

- Provides data producers with a place to share data
- OpenICPSR is designated "acceptable place" to share data/code used in published articles
- Creates documentation to help with responsible data use
- Preserves access to the data despite changes in technology



What are "Secondary Data"?



- Data that were collected by someone else and/or for a different purpose than the current project
- Data that come from administrative records or other sources that weren't meant for research
 - Records of emergency room visits
 - Fitness tracker data
 - Social media posts/tweets
 - Transaction data



Why Use Secondary Data?

- Primary data collection is resource intensive
- Good chance someone has already collected data
- Existing data often provide larger, more representative samples, oversampling of small subpopulations, more questions
- Good stewardship of respondents' participation, funders' money
- Get to the fun part of the work sooner!





What Can I Get at ICPSR?

- Social and behavioral sciences, broadly defined
 - Data about individuals (early childhood through elderly), institutions, and even <u>horses</u>
 - Time periods from ancient history (<u>1194-1294</u>) to the present
- Survey and other raw data types
- Documentation to help understand the data
- Data easily downloadable into Excel/statistical packages
- Publications based on the data
- Public and restricted-use data



Popular Data



- National Longitudinal Study of Adolescent to Adult Health (Add Health)
- India Human Development Survey (IHDS)
- Midlife in the United States (MIDUS)
- Survey of Prison Inmates
- National Survey on Drug Use and Health (NSDUH)

Law Enforcement Management and Administrative Statistics (LEMAS)

- American National Election Study (ANES)
- National Incident-Based Reporting System (NIBRS)
- Early Childhood Longitudinal Study
- Population Assessment of Tobacco and Health (PATH) Study
- National Prisoner Statistics
- Police-Public Contact Survey







What You Typically Won't Find

- Quick answers to "Google-type" questions
- Summary charts/tables of data
- Identifiable information about individuals or organizations
- Pure genetics, physics, engineering, or other natural science data
- Data to use in GIS or other mapping packages
- Data types we are incorporating:
 - Images
 - Qualitative data (e.g., unstructured interviews, diaries, videos, other textbased data)
 - Social media data



Data vs. Statistics



Statistics

- Numbers (e.g., percentages) you find in written documents or graphics and tables that accompany the reports
- Tell you what is in the data by summarizing patterns and doing calculations
- Are easily "digestible"

Data

- The underlying information on which those summaries are based
- Typically come from surveys, administrative records, transactions, or other sources
- Requires some work to use





ICPSR Does Data So YOU Can Do Statistics!



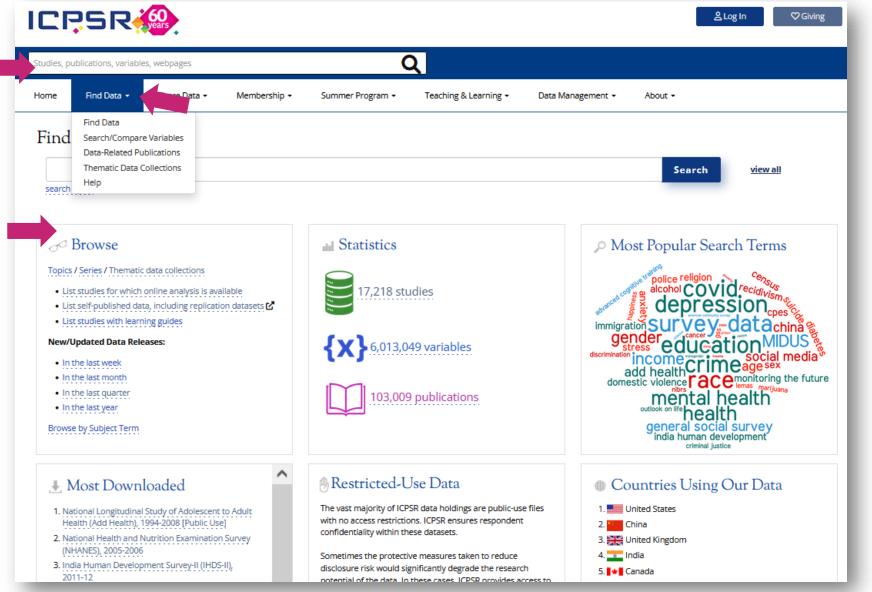
Get Me to the Data!







www.icpsr.org



Basic Search

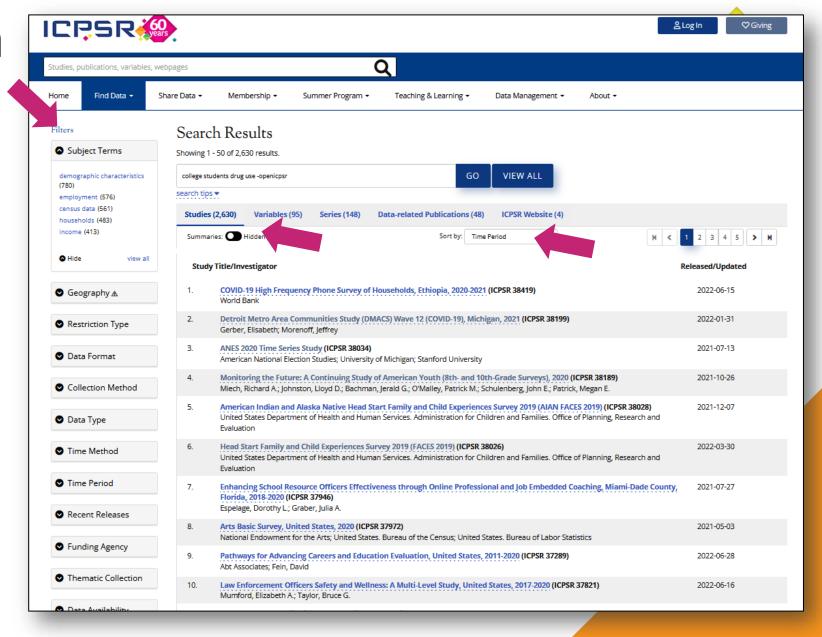
Useful Filters:

- Restriction Type (public/restricted)
- Data Format (statistical package)
- Time Period
- Time Method (longitudinal/crossectional)

Sort By:

- Relevance
- Time period
- Recent releases
- Alphabetical
- Most cited

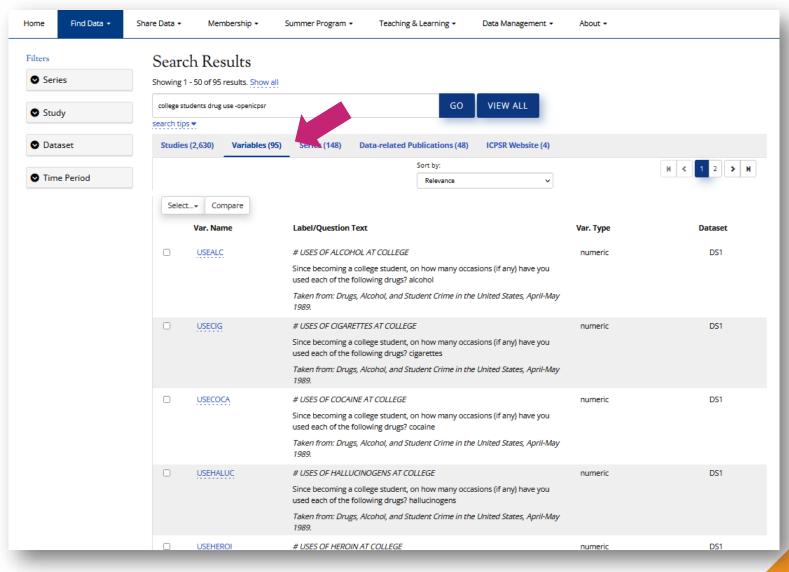
Curated only: "-openicpsr"



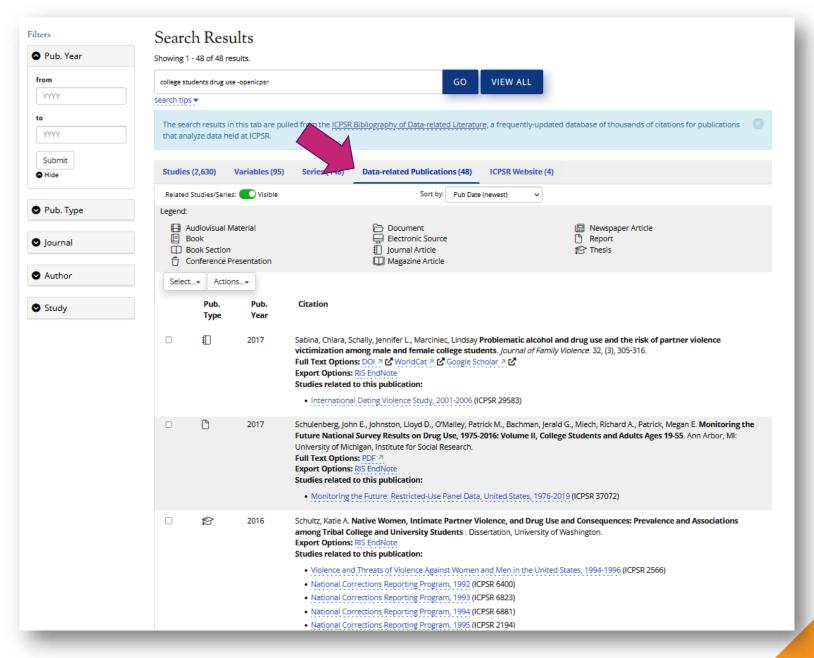


Searches Everything















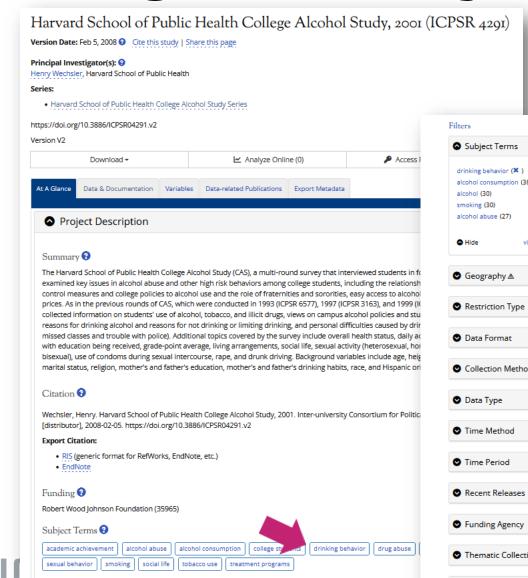
Search/Exploration Tools

- Bibliography of Data-Related Literature
 - Which data have been used to study my topic?
 - These data are interesting, what can I study?
 - Current Events in the Bib
- Search/Compare Variables
 - Searches within and across studies
 - Shows question text, frequency distribution, source study, universe
 - Useful for finding study that includes multiple concepts of interest

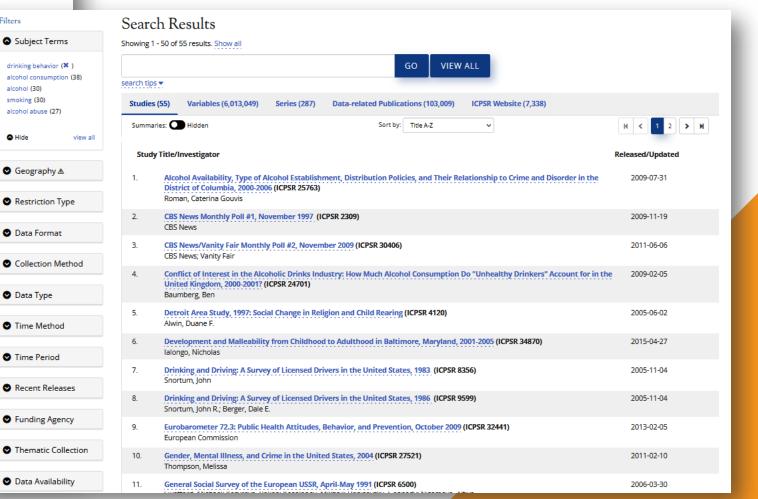




Using One Study to Find Another



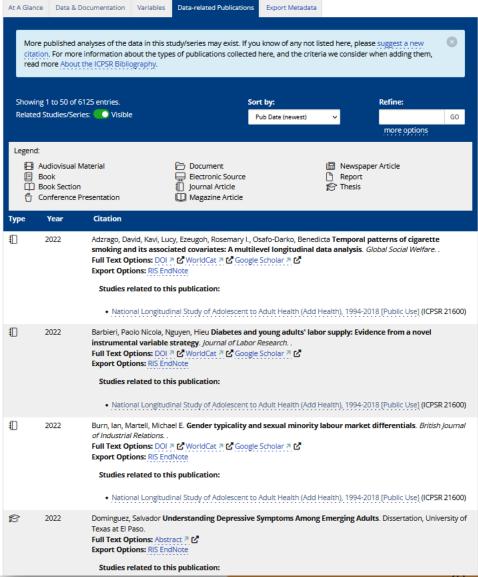
- Subject terms
- Publications



Using Data to Find a Topic



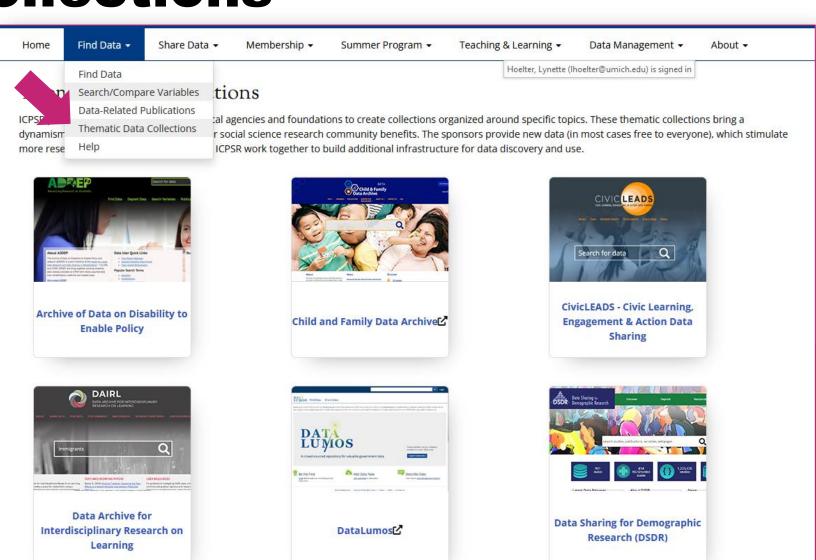
National Longitudinal Study of Adolescent to Adult Health (Add Health), 1994-2018 [Public Use] (ICPSR 21600) Version Date: Feb 9, 2022 ② Cite this study | Share this page Principal Investigator(s): 2 Kathleen Mullan Harris, University of North Carolina at Chapel Hill; J. Richard Udry, University of North Carolina at Chapel Hill · National Longitudinal Study of Adolescent to Adult Health (Add Health) Series https://doi.org/10.3886/ICPSR21600.v24 Version V24 (see more versions) Download ▼ Analyze Online 1,029,723 6,125 Downloads * Data-related Data & Documentation Variables Data-related Publications Usage Report Publications * past three years





Thematic Collections

- Best if you have interest in a broad topic
- Searches within a collection only return results from that collection (may want to back out to ICPSR search)





Collections by Topic





Children/Education

- Child and Family Data Archive
- Civic Learning, Engagement and Action Data Sharing
- Data Archive for Interdisciplinary Research on Learning
- Education Research Data Sharing Initiative
- Measures of Effective Teaching
- PEERS Data Hub

Community

- Nat'l Archive of Data on Arts and Culture
- Open Data Flint

Criminal Justice

- Nat'l Archive of Criminal Justice Data
- Firearm Safety Among Children and Teens

Demography

- Nat'l Archive of Computerized Data on Aging
- Data Sharing for Demographic Research
- Millennium Challenge Corporation
- Resource Center for Minority Data
- US Census Data Repository
- ResearchDataGov

Health/Wellness

- Archive of Data on Disability to Enable Policy
- Covid-19 Data Repository
- Health and Medical Care Archive
- Nat'l Addiction and HIV Data Archive Program
- Patient-Centered Outcomes Data Repository
- Social, Behavioral, & Economic COVID Coordinating Center









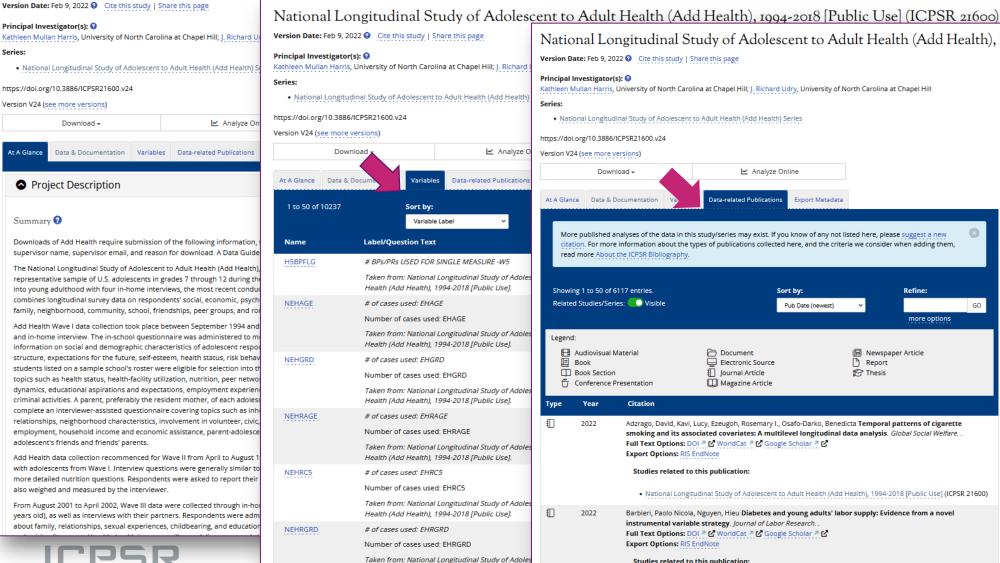
Once You Find Data. . •



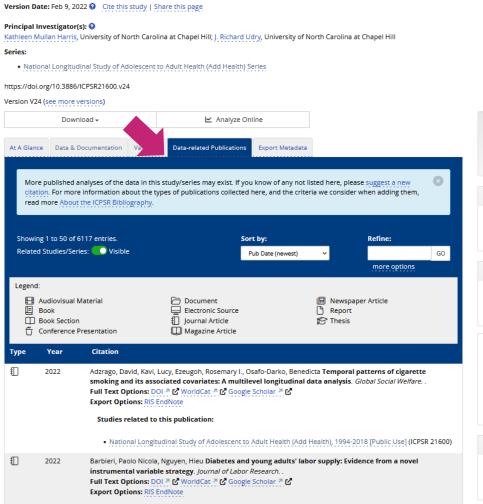
Standardized Descriptions



National Longitudinal Study of Adolescent to Adult Health (Add Health), 1994-2018 [Public Use] (ICPSR 21600)



National Longitudinal Study of Adolescent to Adult Health (Add Health), 1994-2018 [Public Use] (ICPSR 21600)



National Longitudinal Study of Adolescent to Adult Health (Add Health), 1994-2018 [Public Use] (ICPSR 21600)

Studies related to this publication:

1.055.532 Downloads * Usage Report * past three years

6.117 Data-related Publications

Notes

. The public-use data files in this collection are available for access by the general public. Access does not require affiliation with an ICPSR member institution.

Instructional Resources

• Gender and Racial Differences in Teens' Attitudes about Sexuality: A Data-Driven Learning Guide - Inter-university Consortium for Political and Social Research



DSDR Data Sharing for Demographic Research

This study was originally processed, archived, and disseminated by Data Sharing for Demographic Research (DSDR), a project funded by the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD).

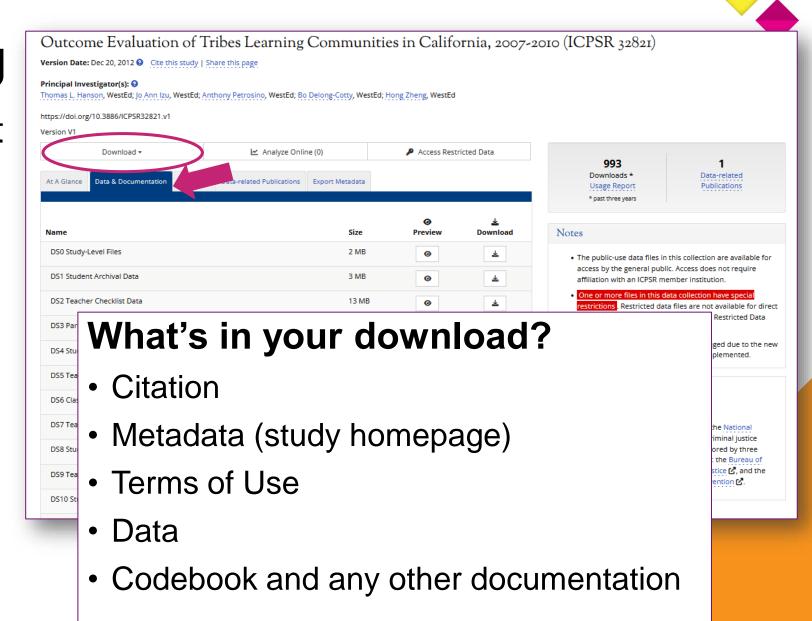
Featured

Mental Health and the LGBTO* Population ICPSR Research Spotlight No. 6-2021 featuring Add

Health

Downloading

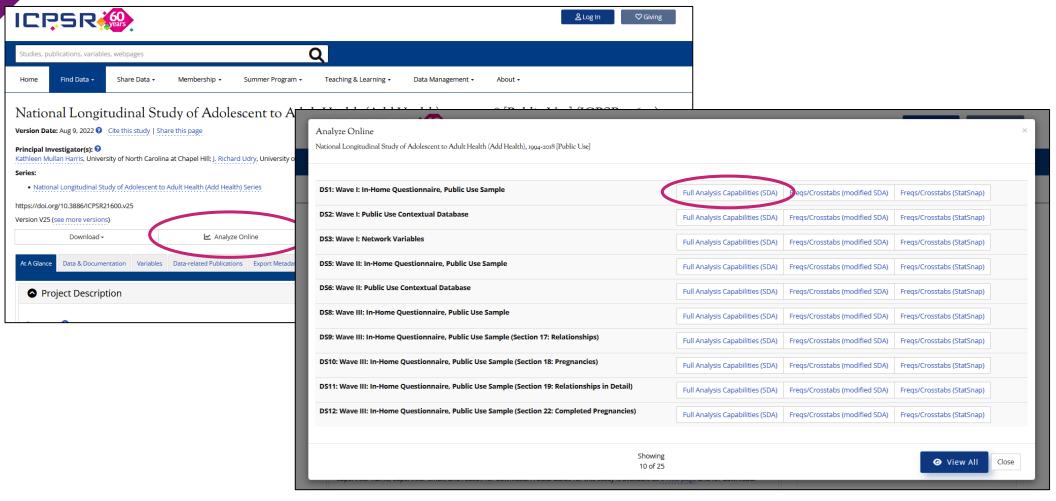
- Create MyData account or login
- Select dataset(s) from Data and Documentation Tab
- Or download all publicuse files at once
- Agree to Terms of Use





Online Analysis







Other ICPSR Resources



1CPSR Student Resources



1

ICPSR

Inter-university Consortium for I

A Student's Guide to Interpreting SPSS Output for Basic Analyses



How to Read (and Understand) a Social Science Journal Article

What is an academic journal article?

Academic journals are periodicals in which researchers publish their work. They are typically peer-reviewed journals, meaning that the work is reviewed and evaluated by other scholars *prior* to publication in an effort to ensure that only the best, most rigorously researched articles are published.

Journal articles offer a window into the inner workings of a discipline. They demonstrate how social scientists formulate hypotheses, design empirical studies, analyze the observations they collect, and interpret their results.

Journal articles can appear daunting and often make for dense, dry reading, but they generally follow a standardized format. Once you understand the structure of each article, knowing where to look for important information and understanding the content becomes much easier.

Anatomy of a journal article

A journal article is composed of inter-related parts. Together, they tell a story about a piece of research.

Element	What it is	What it tells you
Title	The title presents a concise statement of	What is this article about?
	the theoretical issues investigated.	
Abstract	One paragraph that appears before the	What is this article about?
	article. It provides a summary of the	What topic is the author studying?
	entire article.	What was her primary finding?

Guidelines for Effective Data Management Plans

Many federal funding agencies, including NIH and most recently NSF, are requiring that grant applications contain data management plans f collection. To support researchers in meeting this requirement, ICPSR is providing guidance on creating such plans.

These guidelines can also be downloaded as a single PDF (pdf).



Creating a Data Management Plan

- Elements of a plan
- · Framework for creating a plan

2021

First Place - ICPSR Undergraduate - H. S.

Prize Winners

Matthew Ng, Verity Y. Q. Lua, and Nadyanna M. Majeed, Singapore Management University

Second Place - ICPSR Undergraduate - Taran Samarth, Pennsylvania State University

First Place - ICPSR Master's - In Jeong Hwang, Harvard University

Second Place - ICPSR Master's - Beverly J. Pettrey, Cleveland State University 2023 ICPSR Research Paper Competitions (Undergraduate & Master's categories)

For papers on any topic using data from the ICPSR General Archive or Thematic Collections.

Awards: \$1,000 for first place, \$750 for second place. There are **separate** undergraduate and master's prizes for this competition.

Eligibility:

Research Paper Competitions at ICPSR

- Entrants must be current master's or undergraduate students, or recent graduates who graduated on or after April 1, 2022. (Students who graduated before April 1, 2022, are not eligible.)
- Entrants must be from ICPSR member institutions.
- Entrants may be from the US or outside the US.

Entry Requirements

All entries must meet the following criteria:

- Author Status: Must be an undergraduate or graduate student, or recent graduate (graduated on or after April 1, 2022).
- Coauthorship: Papers written by more than one student are permitted.
 Coauthored or multiple-authored winners will share the specified monetary.



For Undergraduates and Graduates



Apply now

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The Competition

ICPSR invites submissions for the 2023 Research Paper Competion graduate and undergraduate students, and recent graduate. The conspection brightings reampleay research undering quantitation projects between the US The 10th pages Competion in the US of cruditist the US. The 10th pages Competion in the reliable of cruditist the US. The 10th pages Competion in the male of cruditist the Vision US of the Competion o

Requirements

Originality. Each paper must be an original

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Summer Program in Quantitative Methods of Social Research





In-person and online courses

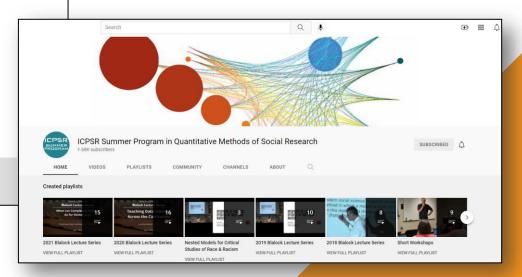
Accessible, applied training in a casual learning environment that encourages inquiry and collaboration

Announcing our 2023 dates:
Three-Week Sessions: June 19-July 7, 2023 and July 17-August 4, 2023
Short Workshops: May through August 2023



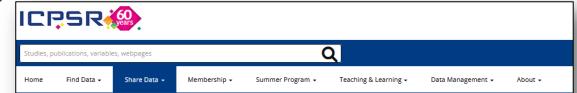
Since 1963, we've trained more than 25,000 researchers.

- Three-week courses and short workshops
 - Methods-related
 - Substantive
- Networking
- Blalock Lectures
- Scholarship opportunities
- YouTube channel





Data Stewardship



Guide to Social Science Data Preparation and Archiving

Best Practice Throughout the Data Life Cycle: 6th Edition

Inside the Guide

- Why Should I Archive Data?
- . How Do I Deposit Data?
- . What Services Does ICPSR Offer?
- · Using the Guide

Importance of Data Sharing and Archiving

- · Planning Ahead for Archiving and Preservation of Data
- . The Data Life Cycle

Proposal Development and Data Management Plans

- · Recommended Elements for Data Management Plans
- · Other Considerations
- . Summary Table: Elements of a Data Management Plan
- An Example Data Management Plan for Depositing Data with ICPSR

Project Start-Up

· Importance of Good Data Management

Data Collection and File Creation

- . Best Practice in Creating Research Data
- · Quantitative Data
- Qualitative Data
- · Other Data Types
- . Best Practice in Creating Metadata

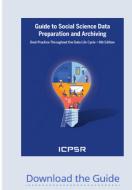
Data Analysis

. Master Datasets and Work Files

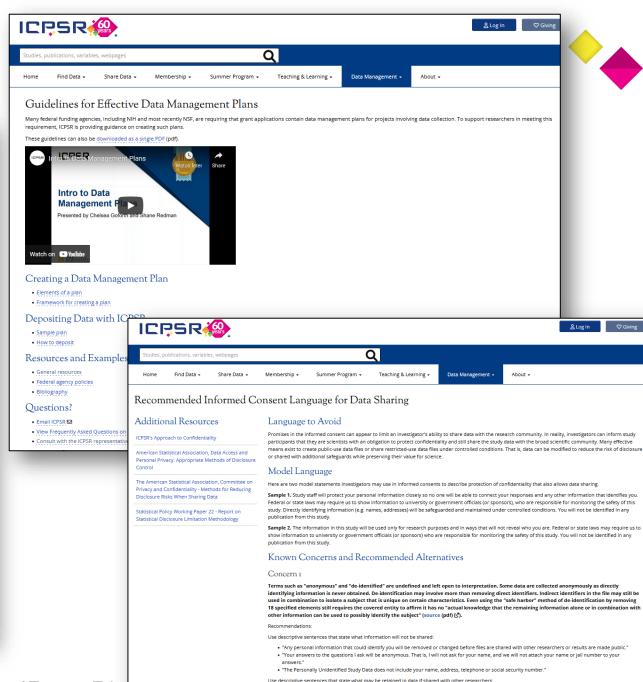
Addressing Confidentiality Issues

· Respondent Confidentiality

Depositing Data





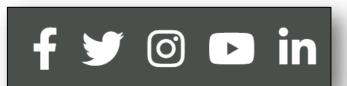




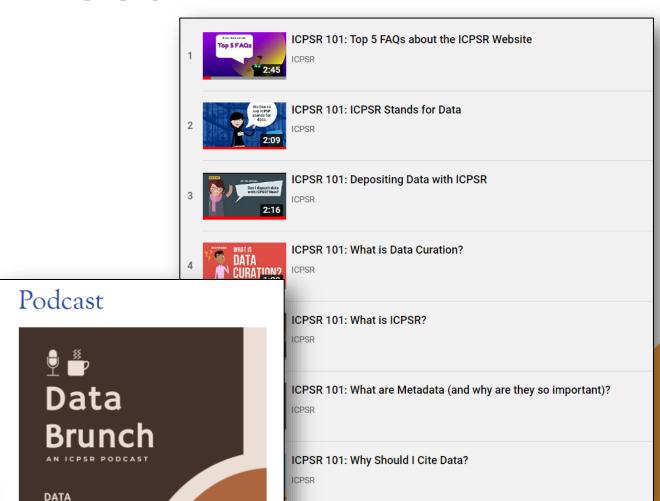


Other Ways to Connect

- YouTube channel full of goodies
 - ICPSR 101 short videos about a variety of topics
- <u>Data Brunch</u> podcast
- Other social media
 - Facebook
 - Twitter
 - Instagram
 - LinkedIn



& THE STORIES
THEY TELL





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