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?

- 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 OpenICPSR.org
- Summer Program in Quantitative Methods of Social Research
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 horses
  • Time periods from ancient history (1194-1294) 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 text-based 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
### Table A.30. Culturally responsive practices of program staff, by Head Start exposure

<table>
<thead>
<tr>
<th></th>
<th>Newly entering children by age</th>
<th>All newly entering children</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3-year-olds²</td>
<td>4-year-olds³</td>
</tr>
<tr>
<td>Strongly agree</td>
<td>84.3</td>
<td>80.3</td>
</tr>
<tr>
<td>Somewhat agree</td>
<td>11.0</td>
<td>11.5</td>
</tr>
<tr>
<td>Neither agree nor disagree</td>
<td>4.7</td>
<td>8.2</td>
</tr>
<tr>
<td>Strongly disagree</td>
<td>0.0</td>
<td>0.0</td>
</tr>
</tbody>
</table>

|                      | Programs staff encourage me to learn about my culture and history | n | Percentage | n | Percentage |
| Strongly agree       | 64.0          | 65.1         | 66.0                          | 534 | 66.0       | 486 | 66.0       |
| Somewhat agree       | 30.0          | 18.0         | 18.7                          | 534 | 18.7       | 486 | 18.7       |
| Neither agree nor disagree | 6.0          | 20.0         | 20.7                          | 534 | 20.7       | 486 | 20.7       |
| Strongly disagree    | 0.0           | 0.0          | 0.0                           | 534 | 0.0        | 486 | 0.0        |

|                      | Program staff have materials for my child that positively reflect our cultural background | n | Percentage | n | Percentage |
| Strongly agree       | 92.0          | 93.0         | 93.0                          | 534 | 93.0       | 486 | 93.0       |
| Somewhat agree       | 6.0           | 6.0          | 5.9                           | 534 | 5.9        | 486 | 5.9        |
| Neither agree nor disagree | 2.0          | 1.0          | 2.1                           | 534 | 2.1        | 486 | 2.1        |
| Strongly disagree    | 0.0           | 0.0          | 0.0                           | 534 | 0.0        | 486 | 0.0        |

**Source:** Fall 2018 and Spring 2020 PACEB Parent Survey

**Notes:** Statistics are weighted to represent all children at age 3 and age 4.

The n columns in this table include unweighted Ns.

**Spring 2020 data were collected from March 15, 2020.**

**Age as of September 1, 2019.**

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![Graph showing rate of violent crime in the NCVS and UCR SRS, 2011–2020](image)

**FIGURE 1**

Rate of violent crime in the NCVS and UCR SRS, 2011–2020

Rate per 1,000 persons

- **NCVS rate of violent crime:**
  - 2011: 25.0
  - 2020: 20.0

- **UCR SRS rate of violent crime:**
  - 2011: 15.0
  - 2020: 10.0

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**Uniform Crime Reporting Program Summary Reporting**

Younger persons who are homeless, persons who are

See appendix table 1 for estimates and standard errors.

**Uniform Crime Reporting, Uniform Crime Reporting**

I bilde, rape, robbery, and and aggravated assault, and

**Bureau of Investigation, Uniform Crime Reporting**

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**Data**

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**Statistics**
ICPSR Does Data So YOU Can Do Statistics!
Get Me to the Data!
Finding What You Need

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”
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
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. . .
Downloading

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

What’s in your download?

• Citation
• Metadata (study homepage)
• Terms of Use
• Data
• Codebook and any other documentation
Online Analysis
Other ICPSR Resources
ICPSR Student Resources

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

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 for collection. To support researchers in meeting this requirement, ICPSR is providing guidance on creating such plans.

Creating a Data Management Plan

- Elements of a plan
- Framework for creating a plan

Research Paper Competitions at ICPSR

Prize Winners 2023

ICPSR Research Paper Competitions (Undergraduate & Master’s categories)

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

Eligibility:
- Entrants must be current masters 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:

- 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. One person may be a student author and the other a non-student author.
ICPSR Summer Program in Quantitative Methods of Social Research

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
Other Ways to Connect

- **YouTube channel** full of goodies
  - [ICPSR 101](#) – short videos about a variety of topics

- **Data Brunch** podcast

- Other social media
  - [Facebook](#)
  - [Twitter](#)
  - [Instagram](#)
  - [LinkedIn](#)
Contact us

www.icpsr.umich.edu

ICPSR-help@umich.edu

Lynette Hoelter, lhoelter@umich.edu

Support 60 more years of data: https://myumi.ch/ICPSR-60MoreYears