

ISRC Workshop:

Accessing Data through ICPSR and CPRDC

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Data Manager, Iowa Social Science Research Center



Workshop Outline

- ▶ Introduction: ISRC
- ▶ Data access through ICPSR
 - ▶ Search for data through ICPSR
- ▶ Data access through CPRDC
 - ▶ Search for data through CPRDC
- ▶ Additional resources

ISRC - What do we do?

- ▶ Assist faculty, research staff and graduate students across campus with:
 - ❖ Grant development
 - ❖ Data collection
 - ❖ Consulting
 - ❖ Data access
 - ❖ And more!



ISRC - Data Access

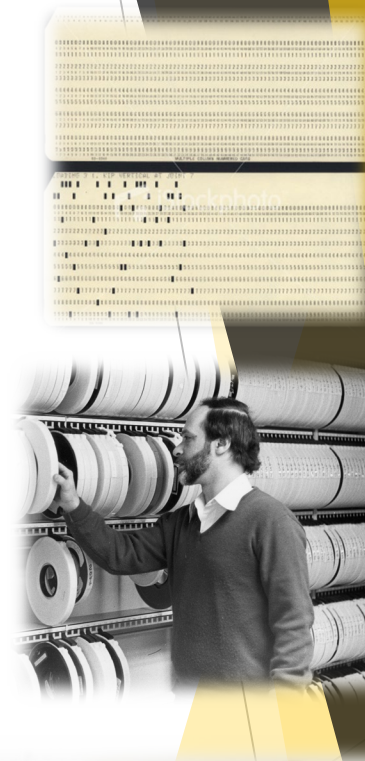
- ▶ Inter-University Consortium for Political and Social Research (ICPSR)
- ▶ Central Plains Federal Statistical Research Center (CPRDC)

An Overview of ICPSR



Introduction to ICPSR

- ▶ One of the world's oldest and largest social science data archives, est. 1962
- ▶ Based at the University of Michigan
- ▶ Data available on demand
 - ▶ Over 9,500 studies with over 76,000 data sets
- ▶ Currently about 760 members world-wide
 - ▶ Including the University of Iowa



Why Use ICPSR

- ▶ Write articles, papers, or theses using real research data
- ▶ Conduct secondary research (analysis) to support findings of current research or to generate new findings
- ▶ Study or teach quantitative methods (data analysis techniques)
- ▶ Study data curation and repository management
- ▶ Use as intro material in grant proposals
- ▶ Preserve/disseminate primary research data
 - ▶ Fulfill data management plan (grant) and data sharing requirements

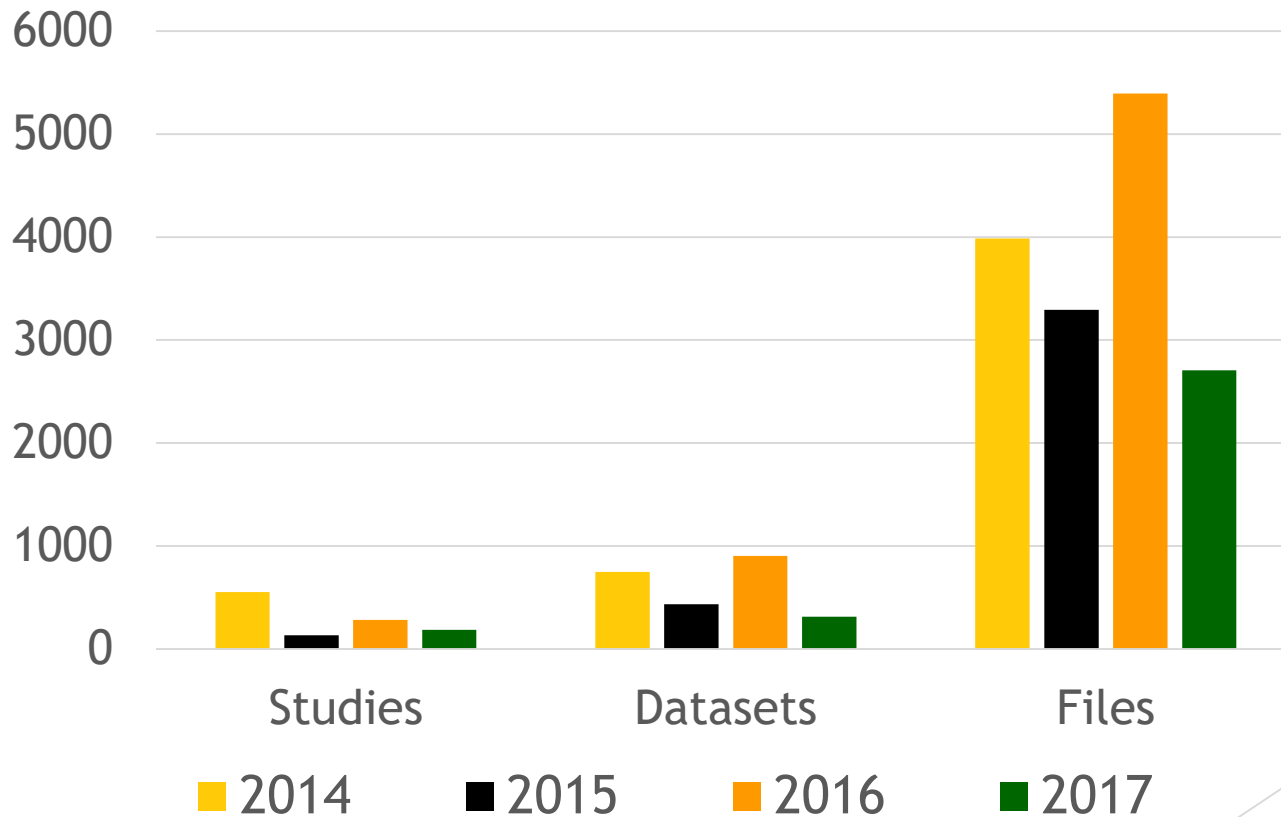


Who uses ICPSR?

- Over 40 Disciplines/Fields Supported -



University of Iowa Data Downloads



What's in a "Download?"

- ▶ Documentation files - pdfs
- ▶ Data in many forms!
 - ▶ SPSS, SAS, Stata
 - ▶ ASCII
- ▶ Questionnaire
- ▶ Codebook
- ▶ Description & Citation

```
1167114 101001 42048 42048 2 1000.0000 1465 1466 2 15 39 244 293 1105 .97
1167114 101002 42073 42073 12 1200.0000 4005 4007 2 30 19 245 1142 1045 170
1167114 101005 27005 27005 5 5000.0000 700 700 2 5 0 30 110 503 54
1167114 401007 29024 0 0 0 0 0 0 0 0 0 0 0 0
1167114 101009 44454 44454 2000.0000 644 645 0 6 7 42 194 547 40
1167114 401011 11101 6230 1000.0000 29 29 1 0 3 14 14 14 27
1167114 101013 17194 17194 4000.0000 805 806 2 13 110 133 805 21
1167114 401015 17199 17199 7 7000.0000 7020 7024 13 54 207 633 1473 4488 444
1167114 101017 10464 10464 4 4000.0000 1044 1045 3 14 10 100 132 374 10
1167114 401019 11923 1020 1000.0000 104 104 0 2 2 11 20 122 7
1167114 101021 37070 37070 3 3000.0000 752 752 3 14 107 147 374 41
1167114 101023 15902 15902 4 1000.0000 56 56 0 0 0 0 0 0 13 2
1167114 101025 26146 27629 6 6000.0000 1027 1047 0 1 1 15 89 274 19
1167114 401027 44077 41961 2000.0000 217 217 0 1 4 80 88 84 9
1167114 101029 14347 13973 2 2000.0000 217 217 0 1 7 4 40 441 24
1167114 401031 40103 40103 2000.0000 750 750 1 11 11 63 107 67 49
1167114 1701033 53423 53423 7 7000.0000 1797 1800 2 11 11 49 205 1702 22
1167114 401035 14022 14022 2 2000.0000 345 345 0 0 2 17 45 79 2
1167114 1901037 13704 13704 2 1000.0000 284 284 3 3 0 24 19 147 16
1167114 101039 17104 17104 2000.0000 1044 1045 2 4 12 144 147 609 17
1167114 101041 13702 13702 2000.0000 204 204 2 3 40 84 137 11
1167114 201043 75302 75302 3 3000.0000 1829 1844 0 19 12 70 425 1147 154
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1167114 201047 44040 44040 2 2000.0000 2909 2918 4 23 44 411 670 1442 173 1
1167114 101049 10494 10737 4 2000.0000 463 463 1 0 4 13 42 330 12
```

```
*
2 NO
name = q1
label = Obama
record = 1
column = 31
width = 1
labels =
1 2
2 1
9 1
text =
Do you app
handling his
*
name = q2
label = Right
record = 1
column = 32
width = 1
labels =
```

Q1

Obama Job Approval

Location:

Variable Type:

Question:

CBS News/60 Minutes/Vanity Fair National Poll, May #2, 2011

Principal Investigator(s): CBS News; 60 Minutes; Vanity Fair

Summary: This survey, fielded May 20-23, 2011, is part of a continuing series of monthly surveys that solicits public opinion on a range of political and social issues. Respondents were asked for their opinions of political figures President Barack Obama, First Lady Michelle Obama, Tim Pawlenty, Newt Gingrich, Sarah Palin, and former President George W. Bush. Respondents were asked if they felt the country was going in the right direction, how President Obama and Congress were handling their jobs, and ho... ([more info](#))

Series: [CBS News/New York Times Poll Series](#)

Access Notes

Dataset(s)

Dataset

Documentation: [Codebook.pdf](#)

Download: [SAS](#) [SPSS](#) [Stata](#) [ASCII](#) [Delimited](#) [All Dataset Files](#) (1,774 KB)

ASCII + [SAS Setup](#) [SPSS Setup](#) [Stata Setup](#)

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ICPSR Summer Program in Quantitative Methods of Social Research

- ▶ Training in statistical techniques, research methodologies, and data analysis
- ▶ 4-week sessions, and 3- to 5-day workshops
- ▶ 2018 sample fee schedule

Type of Workshop	Member	Non-member
Three-day workshop	\$1,500	\$2,800
Four-week session	\$2,500 - \$2,700	\$4,800 - \$5,200

ICPSR Website

- ▶ <https://www.icpsr.umich.edu/icpsrweb/>

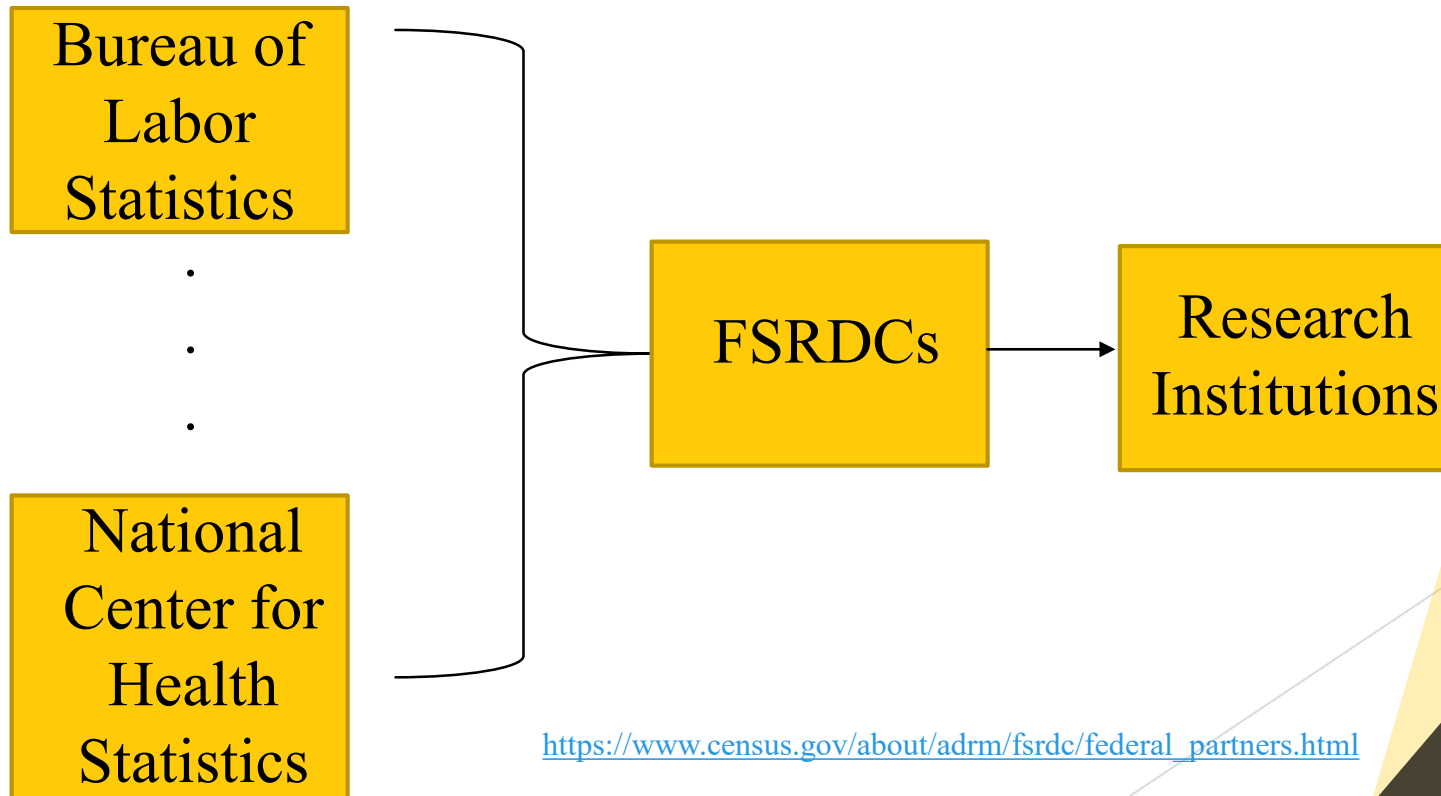


An Overview of CPRDC



Federal Statistical Research Data Centers (FSRDC)

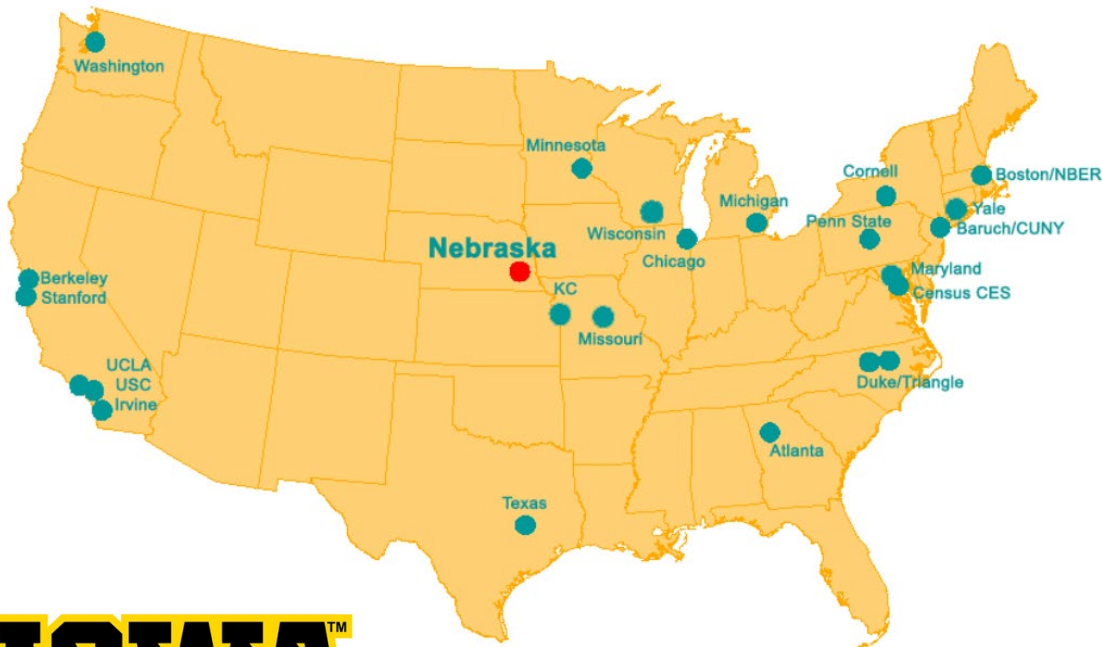
- Partnerships between federal statistical agencies and leading research institutions



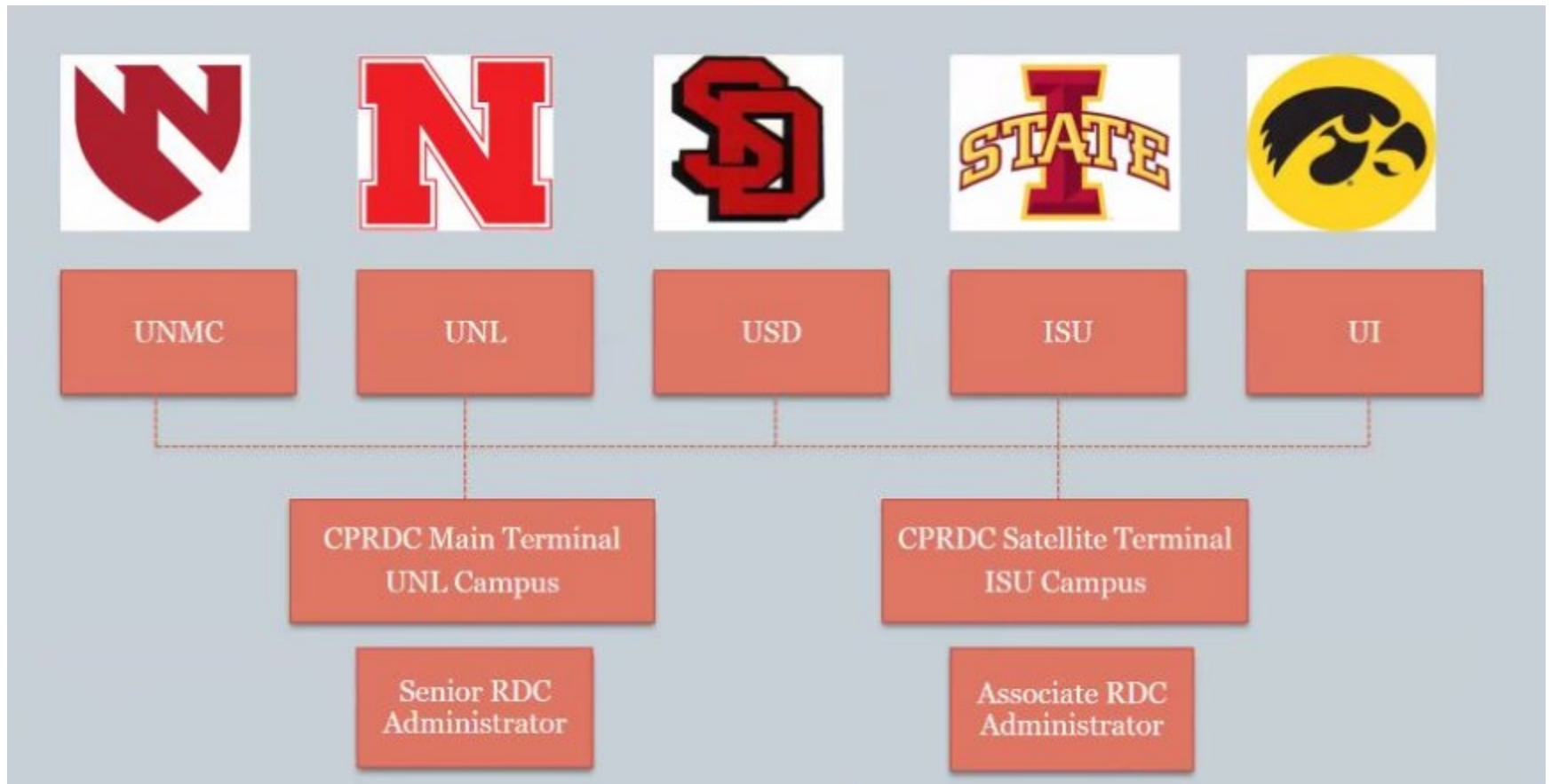
Central Plains Federal Statistical Research Data Center (CPRDC)

- ▶ First center in the central states
- ▶ Located at the University of Nebraska-Lincoln

FSRDC Network Map



The CPRDC Consortium Network



Benefits of the CPRDC

- ▶ Provide access to restricted access micro data
- ▶ High-impact publications
- ▶ Partnership opportunities
- ▶ Extramural funding
- ▶ Recruitment (faculty and grad students)
- ▶ Increase and heighten regional policy impact
- ▶ Any Census-approved research at UNL will be UNL-IRB approved

Advantages of Using Restricted-Use Microdata

- Detailed geographic identifiers (e.g. block, tract, etc)
- Facilitates nation-wide and historical trend analysis
- Large datasets - increase statistical power
- Ability to link different datasets
- Full population counts or full samples
- Original variables before they are processed
- **AFFORDABLE** - zero net cost for researchers using Census datasets at consortium partners

*NCHS, AHRQ, and BLS datasets require separate agency fees

Data Available

- ▶ Agency for Healthcare Research and Quality
- ▶ Bureau of Labor Statistics
- ▶ Census Bureau
- ▶ National Center for Health Statistics

<https://business.unl.edu/outreach/central-plains-federal-statistical-research-data-center/data/>

The Process

1. Take a look at available datasets and develop an idea for your research.
2. Discuss your project with the CPRDC Administrator.
3. Read the proposal guidelines.
4. Write a preliminary proposal.
5. Work with CPRDC Administrator to develop a proposal:
 - a. Identify all data sets and years needed;
 - b. All researchers associated with the project;
 - c. Benefit to Census Bureau.
6. Submit proposal for review (at least 3-4 months).
7. Obtain Special Sworn Status (at least 3 months).
8. Visit the UNL facility to perform statistical analysis.

The Cost

Type of User	Fee	Voucher/Discount
UI: CPRDC consortium member	\$5,000	\$5,000
Not affiliated with CPRDC consortium member		
no affiliated co-investigators	\$15,000	None
with affiliated co-investigators	\$1,000	None
Using exclusively health agency data		20% discount

Contact Information

- ▶ Michael Zweifel, Census Administrator
Email: michael.zweifel@census.gov
Phone: 402-472-0362
- ▶ John E. Anderson, Executive Director Central Plains
Research Data Center
Email: janderson4@unl.edu
Phone: 402-472-1190

More Information

- ▶ ISRC: <http://ppc.uiowa.edu/federal-stat-research-data-center>
- ▶ RDCs: <https://www.census.gov/fsrdc>
- ▶ Data:
http://www.census.gov/about/adrm/fsrdc/about/available_data.html
- ▶ Applications:
<https://www.census.gov/ces/rdcresearch/howtoapply.html>
- ▶ Application guidelines and FAQ:
<https://business.unl.edu/outreach/central-plains-federal-statistical-research-data-center/guidelines/>
- ▶ CES Dissertation Mentorship Program:
<https://www.census.gov/ces/researchprograms/mentorship.html>



Additional Resources

▶ Library

- ▶ Research Data Services
- ▶ Data Management Plans
- ▶ <http://guides.lib.uiowa.edu/data>

▶ Data Science Institute

- ▶ Mini-classes in January and June
- ▶ Applications of R, Python, Stata
- ▶ <https://uiowa.edu/datascience/>

Additional Resources

- ▶ ISRC Workshops
 - ▶ Each fall and spring semester
 - ▶ R, Python, Stata, GIS, data access
 - ▶ <http://ppc.uiowa.edu/isrc/workshops>
- ▶ ICPSR: <http://ppc.uiowa.edu/isrc/services/icpsr>
- ▶ CPRDC: <http://ppc.uiowa.edu/federal-stat-research-data-center>
- ▶ QDR: <https://guides.lib.uiowa.edu/qdr>

Questions?

- ▶ Email: isrc-info@uiowa.edu
- ▶ Website: <http://ppc.uiowa.edu/isrc>