Social and Behavioral Science Research Support at UNL

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Abstract for DBER Group Discussion on 2017-03-09

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Social and Behavioral Sciences Research Consortium
University of Nebraska-Lincoln

Title
Social and Behavioral Science Research Support at UNL

Abstract
Mindy Anderson-Knott will provide an overview of the various research support offerings at UNL related to the social and behavior sciences. The presentation will explain how the Social and Behavioral Sciences Research Consortium can help researchers with their social and behavior science needs, and will navigate participants through many of the support structures that exist on campus.
Research Support at UNL

Social and Behavioral Sciences Research Consortium (SBSRC)

**Consortium**
/kənˈsɔrðiəm, ˌkənˈsɔrSH(ē)əm/

*noun*

1. an association, typically of several business companies.
   *synonyms:* association, alliance, coalition, union, league, guild, syndicate, federation, confederation, confederacy, conglomerate, cooperative, combine, partnership, affiliation, organization; More
Social and Behavioral Sciences Research Consortium (SBSRC)

To facilitate the growth and excellence of social & behavioral sciences research through coordinated activities that include building a referral network for existing resources, enhancing capacity, providing seed and voucher support, identifying and building research collaborations, and providing mentoring for new investigators.
History of SBSRC

• Began with faculty-led initiative Social & Behavioral Sciences Research Initiative (SBSRI)
• The SBSRI Taskforce report provided the blueprint for the Social & Behavioral Sciences Research Consortium (SBSRc)
• Methodology and Evaluation Research Core (MERC) established through the Nebraska Research Initiative
Methodology and Evaluation Research Core (MERC)

To provide state-of-the-art methodological support and services that promote and sustain excellence in the social and behavioral sciences through active collaborations with existing centers, initiatives, and units.
### SAMPLING

Assistance with optimal sample designs and data collection methods; sample strategies; sample size; power calculations

### DATA ACQUISITION

Collection of high quality data; new technologies necessary for state-of-the-art digital data collection needs

### DATABASE & ANALYSIS

Database support and consulting on statistical models and analyses; data de-identification and archiving; facilitating access to secure data files

### EVALUATION

Internal or External evaluation; certified evaluator and evaluation experts in many fields (e.g., STEM education)
SBSRC RESOURCES

We’ve got resources and are here to help you navigate those resources

SBSRC.unl.edu
Upcoming Events

MONDAY, MARCH 13, 2017 - 12:30PM
Colloquium: "Some Paradoxes of Aid Work - Biographies and Careers of People Working in Aid"
Presented by Dr. Silke Roth, University of Southampton

MONDAY, MARCH 13, 2017 - 12:30PM
CABIN Brown Bag Meeting: Steven Barlow
Sponsor: CABIN

THURSDAY, MARCH 16, 2017 - 2:00PM
The DBER Group's STEM Education Seminar: How introductory biology students incorporate sexual selection into their mental models of natural selection
Sarah Spier will present How introductory biology students incorporate sexual selection into their mental models of natural selection.
Social and Behavioral Sciences Voucher Seed Grant Program

The SBSRC initiated a novel voucher seed grant program to facilitate new connections between NU faculty and research support services leading to published research and grant submissions.
Request for Proposals

Voucher Seed Grants

Proposals are to be submitted electronically to sbsrc@unl.edu. We will review project applications monthly from December 2016 through April 2017. Applications received by 11:59 p.m. on the final day of the month will be considered in the following month.

DESCRIPTION: The Social and Behavioral Sciences Research Consortium (SBSRC) will award 5 to 10 research vouchers for the 2016-2017 fiscal year (i.e., funds used prior to June 30, 2017). Monthly reviews will be conducted until the available funds have been awarded.

The goal of this program is to support faculty research in new collaborations with one or more of the existing research support units at UNL.

Award Amount: Voucher grants up to a maximum of $5,000.

Scope:

- Preference is given to support research that targets an area where there are established or emerging opportunities for obtaining competitive federal funding.

- A portion of the voucher support is earmarked for projects advancing minority health research.

- The outcome expected is the completion of a research activity that links faculty to UNL research support operations and leads to published research and/or grant submissions.

- This specific opportunity is designed to support new collaborations, not to supplement current research collaborations.

Eligibility:

- Applicant must be a faculty member in a University of Nebraska System campus.

- The voucher support will be for the faculty member to work with one of the UNL social and behavioral research support operations. Researchers are encouraged to contact the SBSRC (sbsrc@unl.edu) to identify which unit(s) would best fit their needs if this is not known. Centers and units providing a range of services that support research include:
  - Academy for Child and Family Well Being
  - Bureau of Sociological Research
  - Center for Brain, Biology and Behavior
  - Center for Children, Families and the Law
  - Central Plains Research Data Center
  - Methodology and Evaluation Research Core Facility
  - Minority Health Disparities Initiative
  - Nebraska Center for Research on Children, Youth, Families and Schools
  - Public Policy Center

- This list is not exhaustive. For example, it does not list specific service units housed in the Office of Research and Economic Development.
### UNL SBSRC Archived Presentations

<table>
<thead>
<tr>
<th>Headline</th>
<th>Event Date</th>
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</thead>
<tbody>
<tr>
<td>Building Transdisciplinary Research Collaborations</td>
<td>2015</td>
</tr>
<tr>
<td>Central Plains Research Data Center: Food for Health Data Sets</td>
<td>2015</td>
</tr>
<tr>
<td>An Introduction to Analyzing Qualitative Data Using MAXQDA</td>
<td>2008</td>
</tr>
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**Social and Behavioral Sciences Research Consortium**

Our Vision
The Social & Behavioral Sciences Research Consortium (SBSRC) is inspired by the vision of the University of Nebraska's premier e...

Show more
Qualitative & Mixed Methods Research Interest Group

The Qualitative and Mixed Methods Research Interest Group is an interdisciplinary effort that brings together researchers to discuss these research methods, coordinate activities, and identify collaborative opportunities.

Qualitative & Mixed Methods Courses Offered at the University of Nebraska-Lincoln (UNL)

Qualitative & Mixed Methods Researchers
Qualitative and Mixed Methods Courses

ANTH 482/882 - Field Methods in Ethnography
COMM 984 - Interpretive Research Design
EDPS 936 - Mixed Methods Research
EDPS 900K - Qualitative Approaches to Educational Research
EDPS 935 - Seminar in Qualitative Research
PSYC 941 - Fundamentals of Research Design and Data Analysis 1
PSYC 942 - Fundamentals of Research Design and Data Analysis 2
SOCI 362 - Ethics and the Responsible Conduct of Research
SOCI 407/807 - Strategies of Social Research - Qualitative Methods
TEAC 830 - Sociological/Anthropological Research Methods in Education
TEAC 930 - Ethnographic Research Methods

Wayne A. Babchuk
Assistant Professor of Practice
Departments of Educational Psychology, Anthropology, Sociology
803 Oldfather Hall (OLDH); 225 Teachers College Hall (TEAC)
402-472-7942
wbabchuk1@unl.edu

Methodological Expertise: Grounded Theory, Ethnography, Grounded Theory, Ethnography, Community-Based Participatory Research, MM Grounded Theory.

Research Topics: History, instruction, application of qualitative methods across disciplines; Interdisciplinary collaboration; Research ethics; Kalahari San resource rights; Pitfalls of classroom social media.

Websites: [http://www.unl.edu/anthropology/wayne-babchuk](http://www.unl.edu/anthropology/wayne-babchuk)
[http://cehs.unl.edu/edpsych/faculty/wayne-babchuk/](http://cehs.unl.edu/edpsych/faculty/wayne-babchuk/)

QMM Courses Offered: EDPS 900K-Qualitative Approaches to Educational Research; EDPS 935-Seminar in Qualitative Research; ANTH 482/882-Field Methods in Ethnography
More Groups Coming Soon…

- Interdisciplinary Research Interest Group around Immigration, Migration, Refugee, and Multi-Cultural Issues

- Other possibilities:
  - Social Network Analysis
  - Data Issues (Big Data, Open Data, De-identification, Data Archiving, GIS, etc.)
  - Open to other ideas!
SAS

SAS for Windows will do every task that other editions of SAS do, plus it is easy to use and its graphic user interface can do a lot more in graphical analyses than the retired mainframe. There are two main components to most SAS programs - the data step(s) and the procedure step(s). The data step reads data from external sources, manipulates and combines it with other data set and prints reports. The data step is used to prepare your data for use by one of the procedures (often called “proce”). The procedure steps perform analysis on the data, and produce (often huge amounts of) output. The most effective strategy for learning SAS is to concentrate on the details of the data step, and learn the details of each procedure as you have a need for them.

Sas can be purchased from Daryl Travnicek by email dat@unlserve.unl.edu or 472-4746.
Qualtrics Registration

July 1, 2016 - June 30, 2017 | Online

The SBSRC facilitates access to Qualtrics for UNL faculty, students, and staff. Access varies depending on college affiliation, so SBSRC will help you navigate the system to successfully secure an account. If you are interested in obtaining a Qualtrics account, please complete the form below and the SBSRC will contact you with information on setting up your account.

* First Name

* Last Name

* College

* Primary Department

* Email Address

SUBMIT REGISTRATION HERE
The University of Nebraska-Lincoln has many existing resources available to learn more about these valuable resources!

- Academy for Child and Family Well Being
- The Bureau of Business Research
- The Bureau of Sociological Research
- Buros Center For Testing
- Central Plains Research Data Center
- Center for Brain, Biology, and Behavior
- Center for Children, Families, and the Law
- Gallup Research Center and Survey Research Methodology
- The Holland Computing Center
- Minority Health Disparities Initiative
- Office of Proposal Development
- Nebraska Center for Research on Children, Youth, Families, and Schools
- Nebraska Evaluation and Research Center
- Public Policy Center
- Statistics Help Desk

**Central Plains Federal Statistical Research Data Center**

The CPRDC’s mission is to serve the region with restricted-access data sets collected by the US Census Bureau and other federal agencies in a secure computing facility bolster research that expands basic knowledge and provides benefits to the federal statistical system with a secure computing lab where qualified researchers with approved projects can conduct research using restricted-access versions of important datasets maintained by the US Census Bureau and other federal agencies.
REFERRAL NETWORK...
BEYOND THE WEBSITE

SBSRC Expertise Matrix
Who? | What?
---|---
**BBR** | The Bureau of Business Research (BBR) is an applied economic and business research entity of the College of Business Administration at the University of Nebraska-Lincoln. Located in the Department of Economics, the BBR exists to accomplish two primary purposes. First, it provides relevant information and insightful data on economic conditions, in Nebraska, the Great Plains, and the nation as a general service to individuals and businesses in the state. Second, the BBR provides economists with practical opportunities to conduct applied economic research and trains students of economics and business in the conduct of applied research on timely economic and business topics. The BBR regularly publishes reports summarizing its sponsored research studies and also publishes outlooks and analyses in the newsletter *The Nebraska Economy.*

**CPRDC** | The CPRDC’s mission is to serve the region with restricted-access data sets collected by the US Census Bureau and other federal agencies in a secure computing facility bolster research that expands basic knowledge and provides benefits to the federal statistical system with a secure computing lab where qualified researchers with approved projects can conduct research using restricted-access versions of important datasets maintained by the US Census Bureau and other federal agencies.

**Current Information:**

- Two-dimensional
- Text-based
- Formal (Public)
- Not Comprehensive
- Missing preference information
**Who?**

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**Current Referrals:**

- Two-dimensional
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**Research Planning and Preparation** (e.g., grant writing, budget preparation, research design, evaluation design and logic models)

**Data Collection, Access, and Preparation** (e.g., subject pool formation/recruitment/access, data entry, transcription, data cleaning, data merging, survey distribution)

**Research Methods** (e.g., qualitative, quantitative, mixed methods, focus groups, deliberative discussions, interviews, surveys)

**Data Analysis** (e.g., ANOVA/MANOVA, multi-level modeling, meta-analysis, psychometrics, qualitative data analysis, time-series, social network analysis, statistical modeling, geographical information systems (GIS))

**Reporting** (e.g., technical reports, post award reporting, test reviews)

**Infrastructure** (e.g., computer lab space, special equipment, secure computing, web hosting)

**Other Research and Support Services** (e.g., web design, graphic design, programming, data deidentification)

**Other Topical Expertise** (e.g., special topics such as education, child development, economics, cognitive psychology, etc.)

**WHAT are you needs?**

Best fit referral
HOW are services provided?

- **Service-for-fee**
  - E.g., pay for someone to DO a task for a fee

- **Partnership**
  - E.g., collaborative arrangement (co-authorship)

- **Consultation**
  - E.g., advice without “doing it” (for a fee or not).

- **Resources and Training**
  - E.g., formal training, webinars, internship opportunities, educational materials
Coming soon…SBSRC Technology Inventory

- What Technology?
  - Name, descriptions, functionality

- Where is it?
  - College, department or unit

- How can you use it?
  - For a fee or free? Via collaboration? With training (is training available)? Availability: How much is it currently utilized by others?

- Who are the experts on it on campus?
  - Who can help or collaborate?
SBSRC Technology Inventory (Examples)

Equipment:
- 3T fMRI Scanner
- Diffusion Tensor Imaging
- ERP/EEG Brain Recording System
- Eye-tracking Devices
- High-density near infrared spectroscopy (NIRS)
- Transcranial Magnetic Stimulation (TMS)
- Transcranial Doppler (TCD)
- Rotary Chair
- Computerized Dynamic Posturography
- Motion Analysis System
- Oculus Rift
- Skin Conductance
- ActiGraph Accelerometry Monitors
- 3-D printer

Centers and Services
- CB3
- Saliva Assay Services
- UNL Makers Club
- REACH Lab (Social network analysis)
- Holland Computing Center

Software
- Statistical: SAS, SPSS, R, Stata
- Survey: Qualtrics, RedCap
- GIS: Arc GIS or MapWindow GIS
- Social network: NodeXL, Gephi, SocNetV
- Qualitative: Atlas.ti, Nvivo
- Programming: Python
THANK YOU!

Questions?

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