Introduction
Results

- Data used from the faculty/graduate student survey distributed by KU Libraries in the fall of 2013
- Utilized the section of the survey that asked respondents about data practices and research needs
- Respondents were a mix of graduate students and faculty members
Results

Methodology Distribution

- Feasibility study
- Other
- Geospatial
- Oral history
- Ethnography
- Simulation
- Meta-analysis
- Data visualization
- Data mining
- Modeling
- Field work
- Textual analysis
- Survey research
- Comparative study
- Archival
- Case study
- Historical
- Experimental
- Statistical
- Qualitative
- Quantitative
Results

Data Storage Practices of Text Files (by methodology)
Results

Influences on Data Storage Practices (by methodology)
Challenges
Challenges

Stages of Research Process:

- Identification of data
- Acquisition access to the identified materials
- Management of acquired data
- Dissemination of research results
Challenges

Research Challenges (by methodology)

- Identifying relevant materials/data
- Acquiring access following identification
- Managing materials once they’ve been identified/acquired
- Disseminating research
Future Needs
Future Needs

- Researchers primarily anticipate needing assistance with data analysis

- Data storage

- Data dissemination
  - Differences emerge though when results are analyzed by different research methods
Future Needs

Future Needs (by methodology)

- Writing Data Management Plan
- Digitization of Resources
- Data Analysis
- Data Storage, Archiving and Preservation
- Dissemination and Publication
Conclusions
Conclusions

*Potential Implications for Libraries:*

- Data management strategies, even for a single investigator project, will likely need to include a host of different software packages and file types.
- Library liaisons assigned to support a specific discipline within the institution will need to be able to provide support to researchers employing a host of research methods.
- Libraries could develop and train individual experts in a specific methodology and then make that person available to support researchers across campus without regard to department or discipline.
- Institutions are organized by academic department and discipline, libraries could use the disciplinary results of this survey to target their outreach efforts, but then be ready to handle multiple methodologies.
- Libraries could expand the data analysis services that they offer, or identify other places where assistance with data analysis is available, such as campus research centers or even off-campus sources.
- Researchers acknowledge a need for long-term data storage, (particularly in natural sciences), so libraries may have to ensure that repositories are capable of storing datasets of various sizes and file types.