Pedagogical materials related to the "Data Visualization & Management: the Basics" one-shot workshop, Konkiel S, Polley DE, and Marshall B (2013).

"Data Visualization and Management: The Basics"
Pre-Workshop Questionnaire

This questionnaire is intended to gauge your baseline understanding of basic concepts in data management and visualization. Please complete all questions to the best of your ability. It's okay if you do not know the answer to a question; just indicate such on the worksheet. **Do not write your name on this sheet—this questionnaire is intended to be anonymous.**

The workshop instructors will administer a nearly identical questionnaire after the workshop in order to measure the rate of improvement in skills and concepts covered. Many thanks in advance for your participation.

1. What is your role on campus? (i.e. faculty, graduate student, undergraduate student, staff, other)

   _____

2. What academic department do you work for/study under?

   _____

3. What is your area of research specialization (if any)?

   _____

4. What is your gender?

   _____

5. How did you hear about this workshop?

   _____

6. How comfortable are you using Google Refine to clean your data?

Never used it Not comfortable Neutral Somewhat comfortable I'm an expert

7. How comfortable are you using Sci2 to analyze your data?

Never used it Not comfortable Neutral Somewhat comfortable I'm an expert

8. How comfortable are you using Gephi to visualize your data?

Never used it Not comfortable Neutral Somewhat comfortable I’m an expert

9. How comfortable are you using Voyant to analyze and visualize your data?

Never used it Not comfortable Neutral Somewhat comfortable I’m an expert

10. In your own words, what are some things that make data visualizations effective?

    _____
    _____
    _____

11. Do you use standards for data description (sometimes called “metadata”) that are common in your field? If so, which? If not, please describe how you standardize descriptions for data in your lab or research group (if at all).

    _____
    _____
    _____

12. Does your discipline have commonly-used data storage platforms and data formats? If so, please describe.

    _____
    _____

13. Name some ways that you can properly credit data sources when creating derivative data sets or a data visualization.

    _____
    _____
    _____

14. Name some websites or repositories where you might find data that you can use to create visualizations.

    _____
    _____
    _____

15. Name some things you can do to your data and visualizations to make them easier for others to understand and reuse.

    _____
    _____
    _____

16. Name some ways in which you can protect human subjects or other sensitive data.

    _____
    _____
    _____

17. Draw lines to match the following data storage options to the type of data that’s best stored there.

Data Storage Options	**Data Types**
Dropbox	Human Subjects data
Box.com	Data intended for long-term storage
Scholarly Data Archive	Open Access data for long-term storage
IUScholarWorks repository	Data intended for short-term storage
Research File Storage	Data to be analyzed
Data Capacitor / Big Red II	Classified / HIPAA / etc data
Local computer / hard drive	Copies of data
Flash drive	Data documentation
Encrypted drive	

18. What information should you include in documentation accompanying a dataset/visualization so that others can understand and/or reuse it later?

    _____
    _____
    _____

19. What skills or concepts are you hoping to learn in today’s workshop?

    _____
    _____
    _____