Research Data Management

• Why RDM?
• New services
  – RDM Guide: http://researchdata.berkeley.edu
  – RDM Consulting: researchdata@berkeley.edu
• What problems are you encountering?
• Next steps
• What is the state of RDM in higher ed? At UCB? A reflection on the readings...
What is Research Data Management?
RDM is ... and is not ...

- RDM is not IT support.
- It is research support.
- RDM is not (only) about tabular and numeric data.
- It is about effective stewardship of a broad range of scholarly inputs and outputs.
- RDM is something researchers do throughout the lifecycle of their projects
- Campus is not doing all it could to help researchers
RDM questions and crises

• I need help writing my data management plan
• The graduate student who organized my lab’s data files on my server just left
• I need to open some data files from that dissertation project 20 years ago
• I don’t know if my data need special security handling. If they do, I don’t know where to store the files
• How can I get credit for sharing my research data?
• I need to understand what my funding agency is now requiring me to do
• Where can I store my data NOW?
UCB’s RDM Program is...

- ... a partnership led by the Library and RIT
- ... a campus-wide collaborative effort with broad interest from many people
- ... strongly supported by the California Digital Library
- ... just starting up and planning to grow!
RDM Guide

- [researchdata.berkeley.edu](researchdata.berkeley.edu)
- An information-rich resource for existing services and best practices
- A more user-friendly and engaging front page is under development
RDM – The view from Berkeley
RDM Consulting

• [researchdata@berkeley.edu](mailto:researchdata@berkeley.edu)
  – Monitored by a small team of dedicated consultants who have access to a campus-wide expert network

• “Office hours” in the Library Data Lab, the D-Lab, and (soon) BIDS
RDM Consulting – recent examples

• Epidemiology: Transferring data to an international collaborator
• Social Welfare graduate student with no backup
• Student content in Box and Drive: What happens when I graduate?
• ITS wants to archive many (many) small data files, but where and how?
• Clinical data in Public Health just starting up: Major project with extremely sensitive data
• IB lab trying to share data with post doc via FTP
Discussion

• What challenges are you facing?
• What opportunities are you seeing?
New RDM Services

• Research data needs that keep coming up
  – Active research data storage
  – Sensitive data guidance, storage, and computation environments
  – Data preservation, publishing, and sharing
  – Data management and computation environments
RDM Workshops and Training

• We want to work directly with partners and researchers!

• Service provider workshop 2: Early December
  – Demonstrations
  – Discussions of needed services
  – What would you like to see?

• Researcher workshops (focus on PI’s): Fall & Spring semester
Reflections on readings

• Some survey data points from DataONE
  – Have opinions and practices at Berkeley shifted in last 4-5 years?

• Data loss: Perception, misperception, and reality?
  – Do these apply at Berkeley?
Q&A, Ideas, & Discussion

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