Teaching Data Management to Health Science, Science & Engineering Students

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Teaching Data Management to Health Science, Science & Engineering Students

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Planning a Data Management Curriculum

Joint project of the libraries at the University of Massachusetts Medical School and Worcester Polytechnic Institute
Initial Planning

Education Committee

• Faculty
• Librarians
• Graduate student
• Consultants: curriculum, instructional design, evaluation
Preliminary Activities

- Literature search
- Student interviews
- Faculty interviews
- Presentations by data librarians
Findings

[Photo by e-magic http://www.flickr.com/photos/emagic/51069522/]

Research Case Scenarios

- Aerospace engineering
- Biomedical lab research
- Clinical study on hip replacements
Customizing Data Management Instruction

• Mix and match modules as needed by discipline/course level
• Provide lesson plans for diverse modes of delivery: online, in person, hybrid
• Case based activities and assessment
• Readings
• Assignments
Next steps...

• Develop a prototype online course module

• Lesson plans and research case scenarios will be available online

• With implementation funds: develop course content, pilot modules, develop data repository for data generated from student projects

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