New Directions: Computational Methods & Data

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Agenda

1. Previous state
2. Change drivers
3. New Approaches
4. What’s happening now
Earlier Approaches

- **DH Lab**
  - Arts & Humanities

- **Stats Lab**
  - Science & Social Science

- **Data**

- **GIS**
A New Portfolio

Research & Learning
Current Direction

Computational Methods & Data

DH Lab, Stats Lab, Data & GIS
1. **Library-wide approaches**
   Advance a coordinated, library-wide vision for research and learning services

2. **Deeper engagements**
   Build relationships and partnerships to enable new possibilities

3. **Strategically aligned**
   Align offerings with the University’s strategic priorities
University Science Strategy
Data science, data management, research impact, new interdisciplinary programs

Data-Intensive Social Science Strategy
Establish a new Center dedicated to advancing data-intensive research in the social sciences

Humanities Doctoral Education Report
New dissertation forms, emphasis on interdisciplinarity, collaborative advising

Vision for Engineering & Applied Science
Cross-cutting research initiatives, interdisciplinary collaboration
Evolving our Approach
Assessment & User Engagement

1. **Go Deeper**: Get closer to the research; Lean into unique things library can offer

2. **Know Your Audience**: Become more user-driven; demonstrate that we’re listening

3. **Targeted Solutions**: “everyone is welcome” vs. “built with you in mind.”

4. **New Approaches**: Focus on how we should be doing things, not on how we’ve always done things

5. **Alignment**: meet university’s existing and emerging strategies and priorities; “one library” approach
Embedded Data Librarians

- Get closer to research and researchers
- Focus on research centers
  - Data-Informed Social Science Center
  - Geospatial Solutions Center
- Dotted line to Executive Director
- Center staff report to librarian
- Split compensation and FTE
- Workspace in Center
Distributed support model

- Tiered Support
  - Highest support tiers in Computational Methods & Data department
  - Enroll subject librarians and other staff at different tier levels; recope roles (esp. in STEM and social science) and provide training

- Add FTEs
  - Hire more functional roles: data curation, data collections
  - Leverage FTE savings from research center partnerships
Reimagining the Stats Lab

- Understand audiences and align services
- Focus on methodological support
- Focus on reproducibility
- Create a more stable staffing structure, and therefore a more stable service
- Activate space

- Reengage DH communities
  - Engage Research Faculty of Digital Humanities
  - Create a space of “yes;” foster creativity and community
  - Digital dissertation fellowship
  - Collaborate with programs and departments to deliver certificate programs: DH, critical computing
  - Activate space
At the Table

- **Infrastructure**
  - Data repository, institutional repository
  - Persistent identifiers
  - Data discovery

- **Policy**
  - Data sharing, retention, preservation
  - Research data governance
  - Open practices

- **Engagement**
  - Education on federal mandates, data management
  - Coordinating support in a complex institutional environment
Thanks for your attention!