How we help researchers navigate data

Mara Blake, Manager of Data Services
Dave Fearon, Sr. Data Management Consultant

Roadmap

- About Data Services
- Areas of our services
- Types of services
- Data Services during the COVID-19 pandemic
- Current projects
- Questions
About JHU Data Services

We help FACULTY RESEARCHERS STUDENTS find use visualize manage share data

FIND OUT MORE

GOTO dataservices.library.jhu.edu
EMAIL dataservices@jhu.edu
VISIT us at MSEL A-level
A Brief History of Data Services

2011
• Data Management Services launched within the Entrepreneurial Library Program

2016
• Gov. Pubs/Maps/Law Library becomes GIS & Data Services
• DMS and GIS merges under the Data Management Directorate, becoming JHU Data Services

Among the first academic library research data services in the U.S., with the broadest range of services

Our team

Data Management Consultants

Dave Fearon  Chen Chiu  Bonni Wittstadt  Reina Murray  Laurel Poolman

GIS/Map Staff

Marley Kalt  Betsy Gunia

Mara Blake
Data Services Manager
SERVICE AREAS

Data Access and Discovery

- Strategies for finding openly available data from many sources
- Access to data licensed to JHU
- Working with colleagues across the library to acquire data and provide access
GIS and Maps

- Finding and importing geospatial data
- Accessing and using GIS software
- Print and digital map collection

Data Management, Archiving, and Sharing

- Data management planning & best practices
- Supporting compliance with funder and publisher data sharing requirements
- Guidance on preparing data for online access, operating the JHU Data Archive
- Specializations such as human subject data
Computational Research and Coding

- Develop skills for data cleaning, wrangling, etc.
- Open source focused
- Planning other offerings based on user feedback

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<tr>
<th>Workshop</th>
<th>Sessions</th>
<th>Attendance</th>
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<tr>
<td>Introduction to R</td>
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<td>Data Cleaning in R</td>
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<td>Manipulating Data in R</td>
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<td>Data Visualization in R</td>
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<td>Introduction to Python</td>
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<td><strong>Total</strong></td>
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Computational research workshops offered since 2018
Consultations

- 1-1 meetings with researchers, students, administrative staff.
- Consultations with research groups or labs
- FY20 consultation to date: 1036

Workshops and Trainings

- Open workshops offered on Homewood, East Baltimore, online
- By request to groups / classes
- Partnership with research integrity/compliance series

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<th>Workshops FY20</th>
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<td>GIS &amp; Geospatial</td>
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<td>Data Manipulation &amp; Visualization</td>
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<td><strong>Total</strong></td>
<td><strong>69</strong></td>
<td><strong>1066</strong></td>
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Archiving and Sharing

- Johns Hopkins Data Archive
  - Data curation workflow
  - Screen for privacy risk
- Guidance on repository selection and deposit preparations
- Referrals for JHU collaborative sharing resources
  - Examples: JHU’s SAFE Desktop
  - JHU Enterprise GitHub

Tools and Spaces

**Software and Tools**
- ESRI site license
- OSF membership
- DMPTool

**Specialized Spaces**
- Computer Lab
- Restricted Data Room
- Visualization Studio
Data Services during COVID-19

14 webinars, 374 attendees

"Having this workshop over Zoom was a good format and makes it more accessible to larger number of people. Consider keeping Zoom as an option in the future (when we're past COVID restrictions) in addition to the in-person format to allow more people access to this workshop."

Workshops to Webinars
COVID-19 Maps and Dashboards

- CSSE Global Map
  - With colleagues from DRCC, APL, ESRI
  - Dashboard views: 2.3 billion
  - Requests on dashboard data: 147.7 billion
- US Map
- CovidControl Map

Data Archiving

- 11 new deposits since March 15; 8 more in progress
- COVID-19 data archiving
- Pilot project for licensed data
Current Projects

Data Curation Network

Community-led networked approach to data curation

• 12 partners, 34 curators
• Model for curation
• Educational offerings and primers

Website: datacurationnetwork.org
JHU Geoportal: Search and discovery for maps/geospatial data

Collaboration with colleagues across Sheridan and external

Documentation and Reproducible Research

Webinar and online module offerings:

- Documentation for research data and code module
- Reproducible research with R and Python workshop
- Writing a DMP with the DMPTool webinar
Questions?