

Assessing the Texas Data Repository: Determining What to Measure and How

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Repository

- Launched in Spring 2017
- Built on the Dataverse software platform
- Hosted by the Texas Digital Library (TDL)

Steering Committee

- 10 institutions participate in the TDR
- Liaisons from these institutions serve on a TDR Steering Committee
- Provide feedback
- Guide the direction of the repository service

Assessment Working Group

- Sub-group of the Steering Committee
- Tasked with evaluating progress of the TDR

Code

- Fenner, M., Lowenberg, D., Jones, M., Needham, P., Vieglais, D., Abrams, S., Cruse, P., Chodacki, J. (2018). Code of practice for research data usage metrics release 1. PeerJ Preprints 6:e26505v1 <https://doi.org/10.7287/peerj.preprints.26505v1>

Google

- Bragg, M., DeRidder, J., Johnson, R., Junus, R., Kyrillidou, M., Chapman, J., & Stedfeld, E. (2017). Best Practices for Google Analytics in Digital Libraries. <http://doi.org/10.17605/OSF.IO/CT8BS>

TSW

- Lyon, C. (2017). Texas ScholarWorks: 2017 Annual Report. University of Texas at Austin. 20p. <https://repositories.lib.utexas.edu/handle/2152/63730>

Research questions:

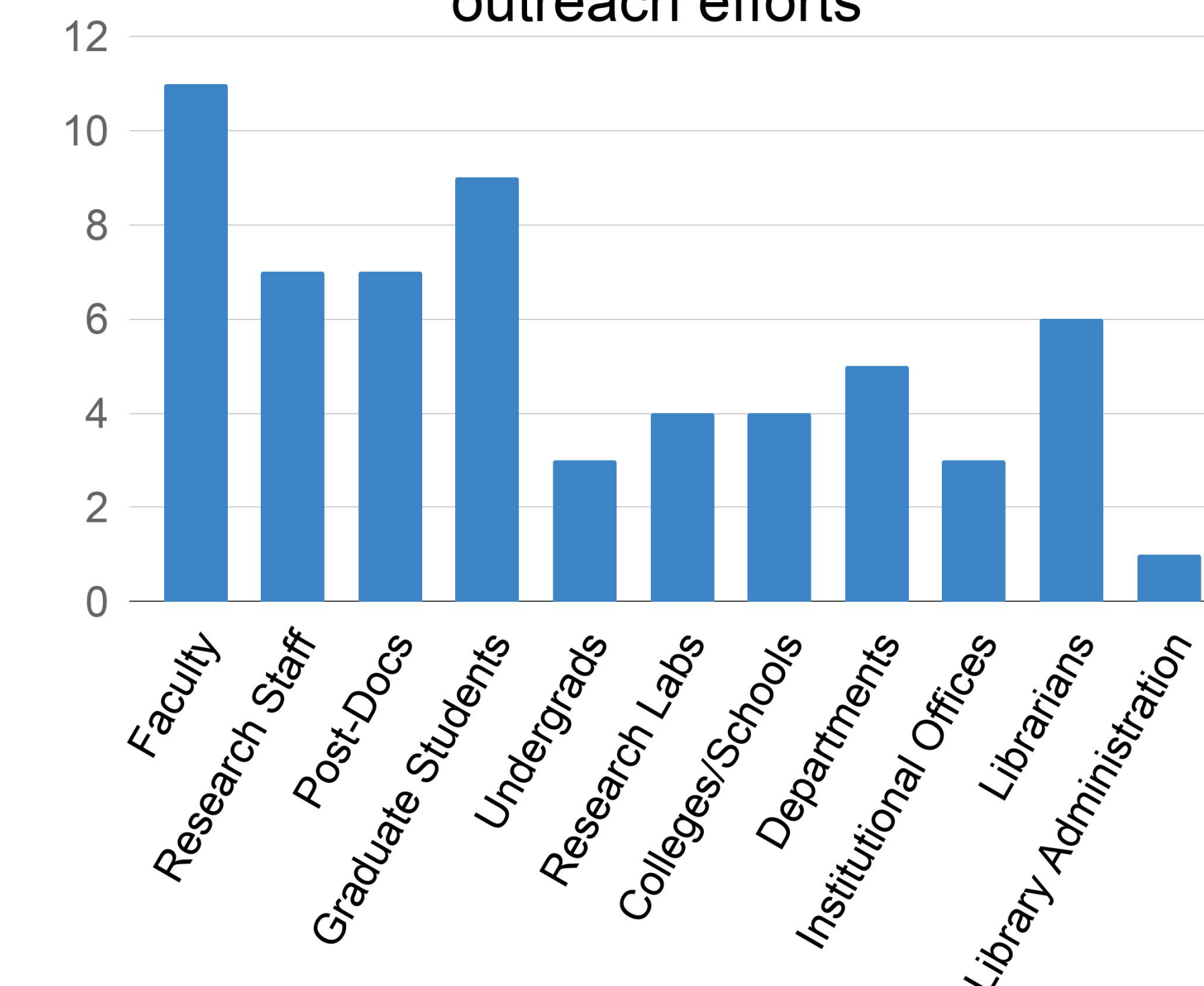
1. Which usage metric information about the TDR will be most valuable?
2. What process for gathering and distributing these metrics will be most useful?

| | Survey | Code | Google | TSW | Source | Priority |
|--|--------|------|--------|-----|------------------|----------|
| Metrics about datasets and collections | | | | | | |
| <i>Dataset download counts</i> | X | X | X | | Log File, Google | yes |
| <i>Size of datasets (MB)</i> | X | | | | Log File | yes |
| Number of files within datasets | X | | | | Log File | maybe |
| <i>List of dataset DOIs</i> | X | | | | Log File | yes |
| <i>Size of collections (MB)</i> | X | | | | Log File | yes |
| Hierarchy collections and datasets | X | | | | Log File | maybe |
| <i>List of links to all collections and datasets</i> | X | | | | Log File | yes |
| Metrics about users | | | | | | |
| <i>Institutional researchers using the TDR</i> | X | | | | Log File | yes* |
| <i>Unique page visitors</i> | X | | X | X | Google | yes |
| Percent new users | | | | X | Google | no |
| Percent users from referring site | | | | X | Google | no |
| Percent users directed from search engines | | | | X | Google | no |
| Location | | X | X | X | Google | maybe |
| Metrics about views and access | | | | | | |
| <i>Unique Dataset Investigations</i> | | X | | | Log File | yes |
| <i>Total Dataset Investigations</i> | | X | | | Log File | yes |
| Number of pageviews | | | X | X | Google | maybe |
| Mode of Access | | X | X | X | Log File, Google | maybe |
| Metrics about sessions | | | | | | |
| <i>Number of sessions</i> | | | X | X | Google | yes |
| <i>Average session duration</i> | | | X | X | Google | yes |
| Path Through the Site | | | X | | Google | no |
| Referral Traffic | | | X | | Google | no |
| Site Content Reports | | | X | | Google | no |
| Bounce Rate | | | X | | Google | no |
| Search Terms | | | X | | Google | no |

Survey

- <https://goo.gl/forms/1Z0wDOjR1XWkObg92>
- 11 responses, from all TDR Steering Committee members
- 34 Questions
 - Institutional demographics
 - TDR staffing in member libraries
 - Liaison experience and training
 - Other data initiatives at member libraries
 - Anticipated user needs

Projected target groups for RDM services and outreach efforts



Additional TDR service needs indicated by respondents

