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

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Texas Data Repository
texasdatarepository.org

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

Steering Committee
- 11 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
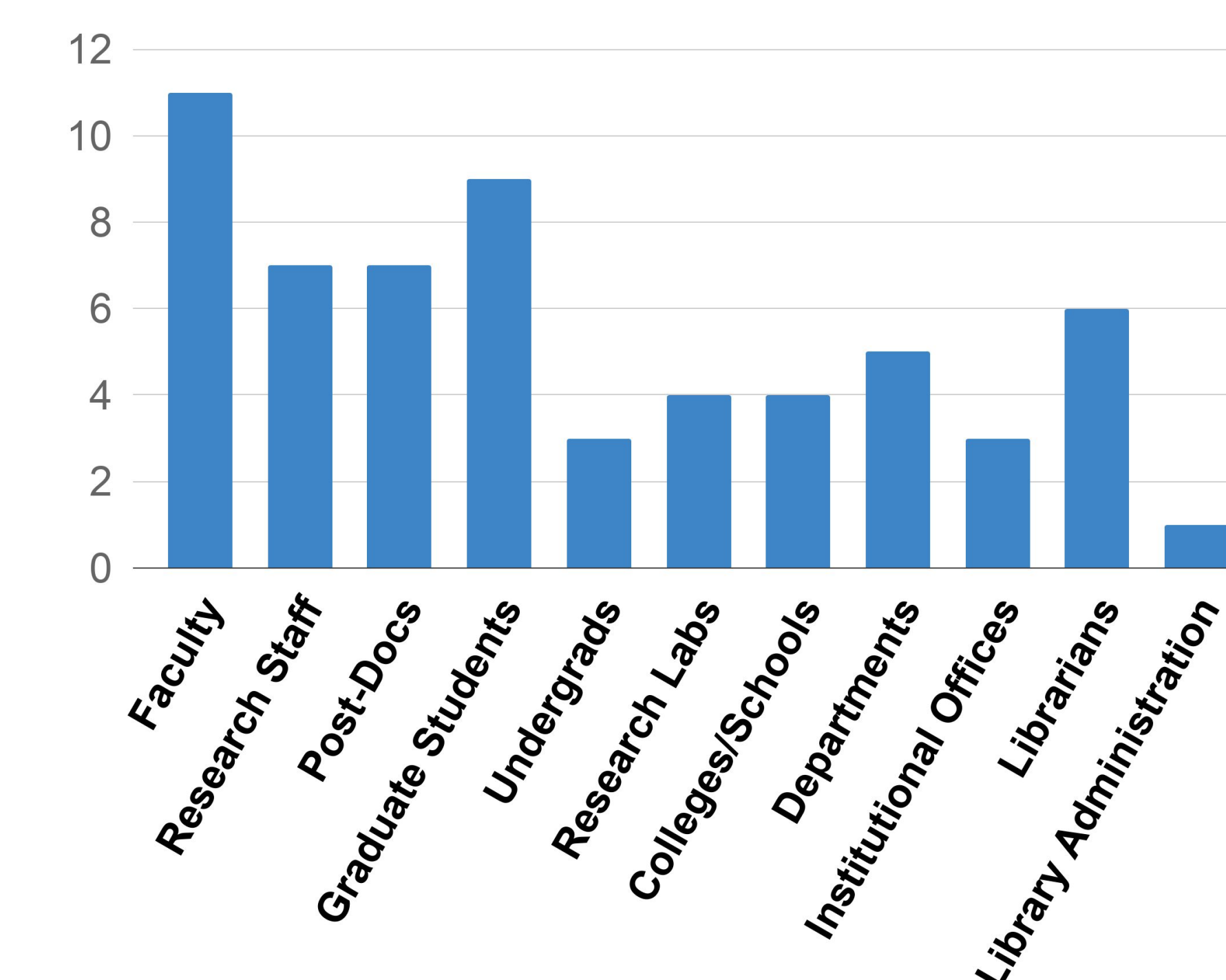
Research questions:
1. **Which usage metric information about the TDR will be most valuable?**
2. **What process for gathering and distributing these metrics will be most useful?**

	Survey	Code	Google	TSW	Source	Priority
Metrics about datasets and collections						
Dataset download counts	*X*	*X*	*X*		*Log File, Google*	*yes*
Size of datasets (MB)	*X*				*Log File*	*yes*
Number of files within datasets	X				Log File	maybe
List of dataset DOIs	*X*				*Log File*	*yes*
Size of collections (MB)	*X*				*Log File*	*yes*
Hierarchy collections and datasets	X				Log File	maybe
List of links to all collections and datasets	*X*				*Log File*	*yes*
Metrics about users						
Institutional researchers using the TDR	*X*				*Log File*	*yes**
Unique page visitors	*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						
Unique Dataset Investigations		*X*			*Log File*	*yes*
Total Dataset Investigations		*X*			*Log File*	*yes*
Number of pageviews			X	X	Google	maybe
Mode of Access		X	X	X	Log File, Google	maybe
Metrics about sessions						
Number of sessions			*X*	*X*	*Google*	*yes*
Average session duration			*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
  - Member libraries other data initiatives
  - Anticipated user needs

Projected target groups for research data management services and outreach efforts

Additional TDR service needs indicated by respondents