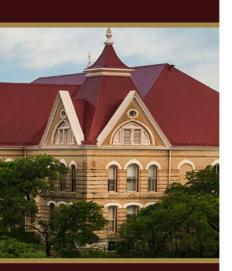
## Scholarly Communication Workshop Series

# Increasing Access: Repositories, Data, and Funder Mandates

#TXSTscholcomm

Dianna Morganti & Laura Waugh August 15, 2018





## **HOW IT ALL GOT STARTED:**

**Open Data Executive Order** May 9, 2013

The Obama Administration took steps to make information generated and stored by the Federal Government more open and accessible to innovators and the public, to fuel entrepreneurship and economic growth while increasing government transparency and efficiency.

The public access requirement applies now to new awards resulting from proposals submitted, or due, on or <u>after</u> <u>January 25, 2016.</u>

Since that time Texas State University has received approx. 135 awards under this requirement.

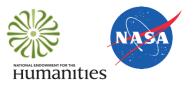


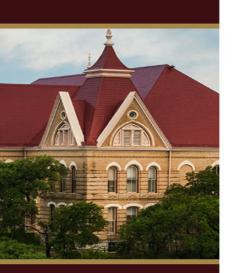












# TEXAS STATE UNIVERSITY The rising STAR of Texas

# OBJECTIVES OF THE EXECUTIVE ORDER (PUBLICATIONS)

- ❖ Public can read, download, analyze in digital form
- 12-month post-publication embargo as guideline, with stakeholder petitions to change
- Easy public search, analysis of, and access to publications
- Full public access to metadata without charge upon first publication
- Public-private collaboration
- Attribution to authors, journals, and original publishers
- Archival solutions that provide long-term preservation & access without charge
- Uses widely available, nonproprietary standards/formats
- Provides access for persons with disabilities
- Enables integration and interoperability with other Federal archival solutions and other appropriate archives.



# TEXAS STATE UNIVERSITY The rising STAR of Texas

# OBJECTIVES OF THE EXECUTIVE ORDER (DIGITAL DATA)

- Maximize free access while protecting privacy and confidentiality, national security
- Recognizing intellectual property rights
- ❖ Balancing costs & benefits of long-term preservation
- Require data management plans (DMPs)
- Allow inclusion of costs in applications for funding
- Ensure appropriate evaluation of DMPs
- Monitor compliance by investigators
- Encourage deposit of data in public repositories, where possible
- Cooperate with the private sector
- Develop approaches for data citation & attribution
- Support training, education and workforce development
- Assess long-term needs for preservation and options for repositories



## TEXAS STATE UNIVERSITY

## **AVAILABLE RESOURCES**

### OFFICE OF RESEARCH AND SPONSORED PROGRAMS

About Us Research Services For Researchers STAR Park University Research Foundation Online Systems Centers & Institutes Resources E-Newsletter

Texas State > Office of Research and Sponsored Programs > Welcome: Quicklinks > Research Data Management and Security

### Research Data Management and Security

Research Data Management: An increased focus on the accessibility, usability, and impact of research data brings with it new priorities for researchers. Funders, journals, and the taxpaying public are requiring greater access to research results, especially if the research has been sponsored by public funds. This section provides a variety of resources on data management practices and concepts, as well as specific information to help Texas State researchers fulfill data management and sharing requirements of NSF, NIH and other funders.

Research Data Security: Texas State is responsible for ensuring the security of highly sensitive research data, such as Protected Health Information (PHI) and Personally Identifiable Information (PII). The release of such data not only threatens research subjects but can result in financial liability for the institution and in some case, the researchers making the data available. This section contains information and links to Texas State policies and procedures applicable to all research or sponsored projects involving data security and acquisition of IT products and services.

Texas State University offers researchers multiple resources to ensure compliance with federal funders' mandate for open access data and publications.

Where to go for assistance:

Understand funder requirements for your data management plan

- Check the DMP tool for Funder Requirements and templates
- Contact your College Research Coordinator
- Contact <u>Pre-Award Support Services</u>, Office of Research and Sponsored Programs

#### Learn the basics of data management planning

- Check Alkek Library's <u>Data Management and Planning guide</u> (includes librarian contact info for additional assistance)
- Attend a <u>workshop on Data Management planning</u> offered regularly by Alkek librarians

#### Deposit and publish data/open access publications

- . Dataverse Data Repository for research datasets
- Dataverse Quick Start Guide
- . Digital Collections for open access research publications
- For additional support with Dataverse or Digital Collections, contact a librarian at digitalcollections@txstate.edu

#### Research Data Security

- Assistance during Proposal Submission or Prior to Grant Set Up
- Data Use Agreements
- . Research Data Security Form

The rising STAR of Texas



## **DATA MANAGEMENT PLANS**

- Different funders = Different requirements
- Types of data produced
- Data and metadata standards
- Policies for access
- Policies for reuse
- Plans for archiving
- Roles and responsibilities





# TEXAS STATE UNIVERSITY The rising STAR of Texas

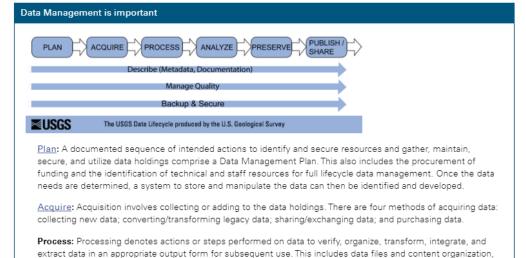
# DATA MANAGEMENT PLANNING AND DATA CURATION



## Data Management and Planning: Welcome

Use this guide to learn the basics of Data Management and Data Management Planning, to prepare to write a Data Management Plan (DMP), or use it as a reference tool for various aspects of the same.

Welcome Working with Data Sharing your Data Preserving your Data Writing a DMP Learn more and get assistance.



and data synthesis or integration, format transformations, and may include calibration activities (of sensors and



Search this Guide

Q



# TEXAS STATE UNIVERSITY The rising STAR of Texas

## **CHOOSING A REPOSITORY**

- 1. Does the solicitation specify a repository for the data or software?
- 2. Does institution have an institutional repository?
- 3. Is there a discipline-relevant repository used by the research community?
- 4. Is the repository sustainable? And if not, are there contingency plans?
- 5. Does the repository require at least minimal identification and description sufficient to enable discovery, access, and retrieval?
- 6. Has the PI made any contingency plans in the event a designated repository becomes unavailable?



## WHO ARE OUR IN-HOUSE REPOSITORIES BEST FOR?

- Anyone who needs or wants to share their publications
  - DOI issued for Data (meets base requirements for most funders)
  - Data preserved for required time (plus more)
  - Indexing, and others previously mentioned
  - Collocate your data and pubs with your prior data and pubs, and with those of the department and University
- Non-confidential data
  - Funder requirement to de-identify/anonymize/cleanse
    - · Library can help with this
  - Texas State Policy
- Active Texas State NetID
  - Though we are working on allowing cross-institution working groups
- Small-Medium sized files self-service
  - Large data accommodated via consultation
  - Library can help facilitate that connection
- Any file type
  - Open non-proprietary is encouraged
  - We can help with conversion





## **LEARN MORE:**

- From Office of the White House Chief Information Officer: <a href="https://project-open-data.cio.gov/">https://project-open-data.cio.gov/</a>
- Links to Federal Agency Open Mandates:
  <a href="http://www.library.cmu.edu/datapub/sc/publicaccess/policies/usgovfunders">http://www.library.cmu.edu/datapub/sc/publicaccess/policies/usgovfunders</a>
- ICPSR: What is data curation? <a href="https://www.youtube.com/watch?v=ZEkqF8cL2qQ">https://www.youtube.com/watch?v=ZEkqF8cL2qQ</a>
- Find the Texas State University Dataverse on the library website under "Services to Faculty": http://www.library.txstate.edu/services/faculty.html
- Find Research Data information from the Office of Research and Sponsored Services at <a href="http://www.txstate.edu/research/avpr/data\_mgmt">http://www.txstate.edu/research/avpr/data\_mgmt</a>



# Digital Repositories

TXST Digital Collections Repository



TXST Dataverse Repository



# TXST Digital Collections Repository

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TEXAS STATE	Login
UNIVERSITY The rising STAR of Texas	
n Digital Collections Home / Digital Collections	tal Collections Home
Search	Digital Collections Repository
AUTHOR'S CORNER	
About Digital Collections	The Digital Collections repository is a service that provides free and open access to the scholarship and creative works produced and owned by the Texas State University community. The Digital Collections centralizes, preserves, and makes accessible the knowledge
First-time Users	generated by the university community, which includes faculty publications, theses & dissertations, plus digitized materials from The Wittliff Collections, the University Archives, and other materials unique to Texas State University. It is a professionally maintained archive that gives the university's intellectual and creative output increased visibility and accessibility over time.
Submission Types	archive that gives the university's intellectual and creative output increased visibility and accessibility over time.
License and Agreements	Communities
FAQs	Select a community to browse its collections.
BROWSE	
All of Digital Collections	Departments, Schools, Centers & Institutes
Communities & Collections	This collection provides access to the research, creative, and scholarly activities of Texas State University.
ACCOUNT	Dissertations and Theses
Login	The Dissertations and Theses Collection represents the valuable scholarly and artistic content created by doctoral and masters students at Texas State University.
STATISTICS	Journals and Peer-Reviewed Series
Most Popular Items	The Journals and Peer-reviewed Series Collection includes series publications reviewed and published by members of the university community.





## Scholarly Work of TXST Community

- Articles
- Books and chapters
- Working papers
- Presentations
- Conference posters
- Reports





## Benefits and Features

- Showcase for research output of TXST
- Permanent URL (handles)
- Organize and archive
- Increase citations and impact
- Viewable statistics

## A Look Around Digital Collections

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AUTHOR'S CORNER	The Digital Collections repository is a service that provides free and open access to the scholarship and creative works produced a
About Digital Collections	owned by the Texas State University community. The Digital Collections centralizes, preserves, and makes accessible the knowled
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	Journals and Peer-Reviewed Series
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TATIO 100	The Journals and Peer-reviewed Series Collection includes series publications reviewed and
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Most Popular Items	The Wittliff Collections - Digital Collections
Most Popular Items Statistics by Country Most Popular Authors	The Wittliff Collections - Digital Collections  Dedicated to collecting, preserving and sharing of the Southwest's literature, film, and music,
Most Popular Items Statistics by Country Most Popular Authors	The Wittliff Collections - Digital Collections  Dedicated to collecting, preserving and sharing of the Southwest's literature, film, and music, and the photography of the Southwest and Mexico, and to fostering the region's "Spirit of
Most Popular Items Statistics by Country Most Popular Authors	The Wittliff Collections - Digital Collections  Dedicated to collecting, preserving and sharing of the Southwest's literature, film, and music, and the photography of the Southwest and Mexico, and to fostering the region's "Spirit of Place" in the wider world.  University Archives  The University Archives serves as the institutional memory of Texas State University. It is the
Most Popular Items Statistics by Country Most Popular Authors	The Wittliff Collections - Digital Collections  Dedicated to collecting, preserving and sharing of the Southwest's literature, film, and music, and the photography of the Southwest and Mexico, and to fostering the region's "Spirit of Place" in the wider world.  University Archives

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Most Popular Items	
Statistics by Country	
Most Popular Authors	3

**RSS FEEDS** 

**RSS 1.0** 

RSS 2.0

Atom

## **Digital Collections Repository**

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### **Communities**

Select a community to browse its collections.

## Departments, Schools, Centers & Institutes

This collection provides access to the research, creative, and scholarly activities of Texas State University.

#### Journals and Peer-Reviewed Series

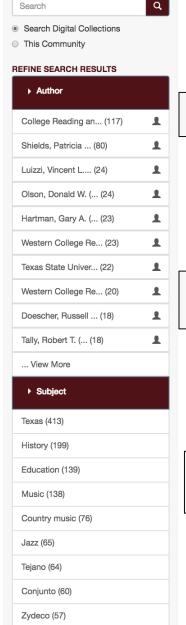
The Journals and Peer-reviewed Series Collection includes series publications reviewed and published by members of the university community.

#### The Wittliff Collections - Digital Collections

Dedicated to collecting, preserving and sharing of the Southwest's literature, film, and music, and the photography of the Southwest and Mexico, and to fostering the region's "Spirit of Place" in the wider world.

#### **University Archives**

The University Archives serves as the institutional memory of Texas State University. It is the official repository for non-current University records with long-term value and accepts select donations of records, artifacts, and memorabilia related to the institution that have enduring historical or research value.



### Departments, Schools, Centers & Institutes

Sub-communities within this community

Agriculture

## Anthropology

<del>noiogy</del>

**Business Administration** 

Chemistry and Biochemistry

Clinical Laboratory Science Program

**Communication Disorders** 

Communication Studies

**Computer Science** 

Counseling, Leadership, Adult Education, and School Psychology

Criminal Justice

## Curriculum and Instruction

**English** 

Family and Consumer Sciences

Finance and Economics

Geography

Health and Human Performance

**Health Professions** 

History

## History

Journalism and Mass Communication

Management

Marketing

Materials Science, Engineering, and Commercialization Program

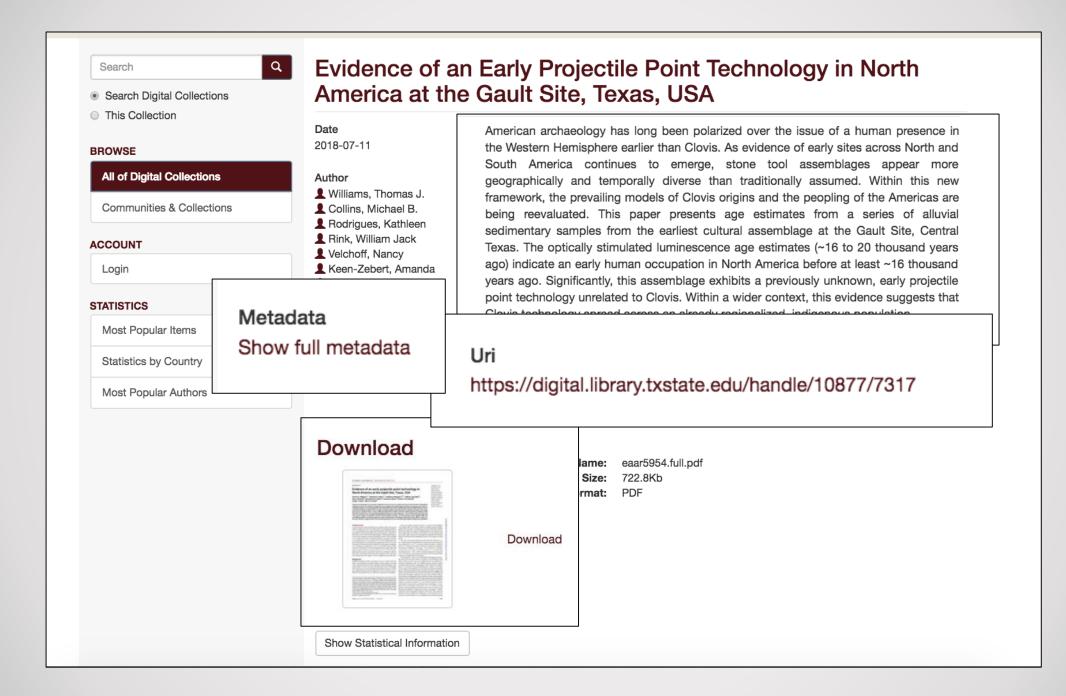
Mathematics

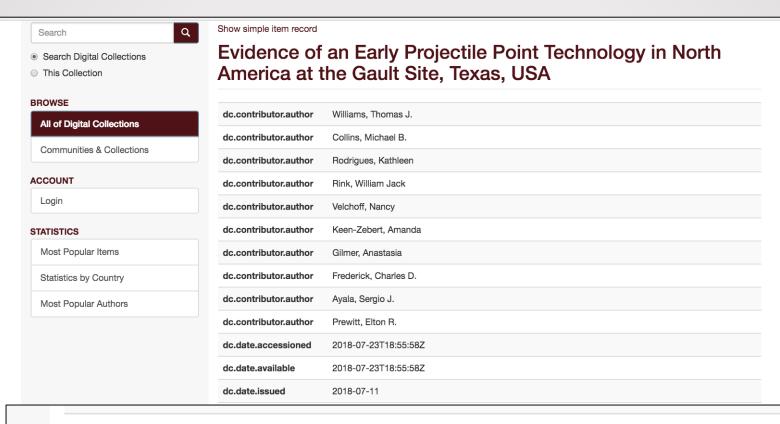
Modern Languages

Music









dc.identifier.citation

Williams, T. J., Collins, M. B., Rodrigues, K., Rink, W. J., Velchoff, N., Keen-Zebert, A., Gilmer, A., Frederick, C. D., Ayala, S. J., Prewitt, E. R. (2018). Evidence of an early projectile point technology in North America at the Gault Site, Texas, USA. "Science Advances," 4(7).

ern Hemisphere earlier than Clovis. As evidence of early sites across North and South America continues to emerge, stone tool assemblages appear more geographically and temporally diverse than traditionally assumed. Within this new framework, the prevailing models of Clovis origins and the peopling of the Americas are being reevaluated. This paper presents age estimates from a series of alluvial sedimentary samples from the earliest cultural assemblage at the Gault Site, Central Texas. The optically stimulated luminescence age estimates (~16 to 20 thousand years ago) indicate an early human occupation in North America before at least ~16 thousand years ago. Significantly, this assemblage exhibits a previously unknown, early projectile point technology unrelated to Clovis. Within a wider context, this evidence suggests that Clovis technology spread across an already regionalized, indigenous population.

dc.format	Text	
dc.format.extent	8 pages	
dc.format.medium	1 file (.pdf)	
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dc.subject	Clovis technology	en_US
dc.subject	Early projectile point technology	en_US
dc.subject	Alluvial sedimentary samples	en_US
dc.subject	Human habitation	en_US
dc.subject	Archaeology	en_US
dc.title	Evidence of an Early Projectile Point Technology in North America at the Gault Site, Texas, USA	en_US

dc.identifier.doihttps://doi.org/10.1126/sciadv.aar5954dc.rights.licenseCreative Commons Attribution Non-Commercial License 4.0 (CC BY-NC)



## Evidence of an Early Projectile Point Technology in North America at the Gault Site, Texas, USA

Date 2018-07-11 American archaeology has long been polarized over the issue of a human presence in the Western Hemisphere earlier than Clovis. As evidence of early sites across North and South America continues to emerge, stone tool assemblages appear more geographically and temporally diverse than traditionally assumed. Within this new

lels of Clovis origins and the peopling of the Americas are per presents age estimates from a series of alluvial e earliest cultural assemblage at the Gault Site, Central d luminescence age estimates (~16 to 20 thousand years occupation in North America before at least ~16 thousand ssemblage exhibits a previously unknown, early projectile Clovis. Within a wider context, this evidence suggests that ss an already regionalized, indigenous population.

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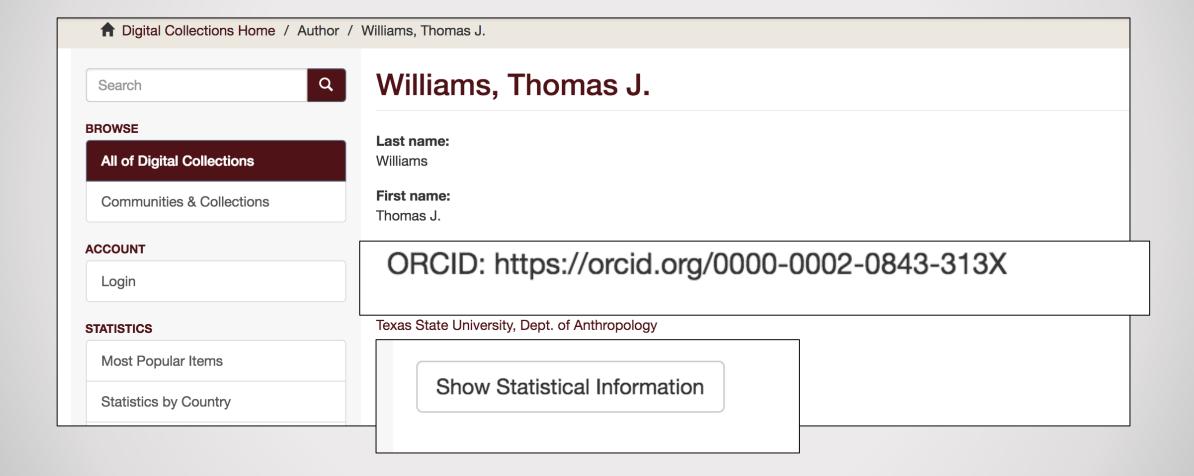
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#### Author

- Williams, Thomas J.
- 👤 Collins, Michael B.
- Rodrigues, Kathleen
- 👤 Rink, William Jack
- L Velchoff, Nancy
- 👤 Keen-Zebert, Amanda
- 👤 Gilmer, Anastasia
- Frederick, Charles D.
- 👤 Ayala, Sergio J.
- Prewitt, Elton R.

Show Statistical Information

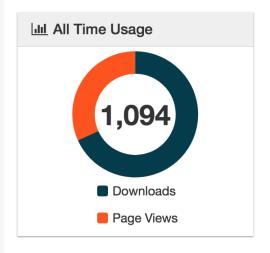
## Author Profile Information



# Citations and Impact

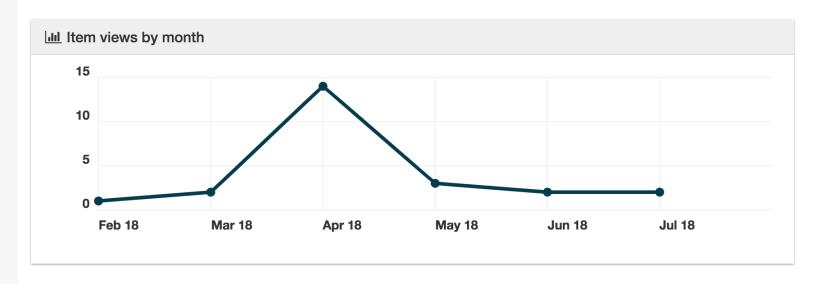
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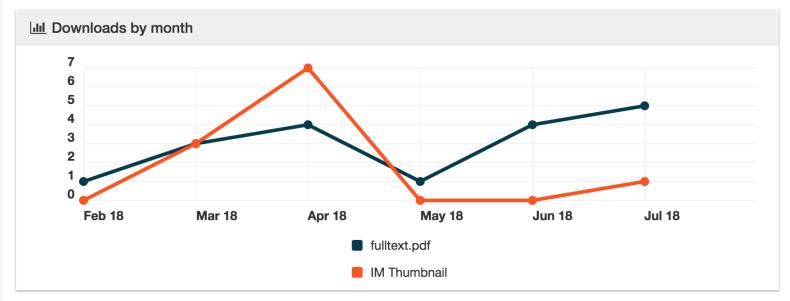
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⊞ Top countries by item of the past 6 months	n views
Country	<b>©</b>
United States	17
South Korea	6
United Kingdom	1

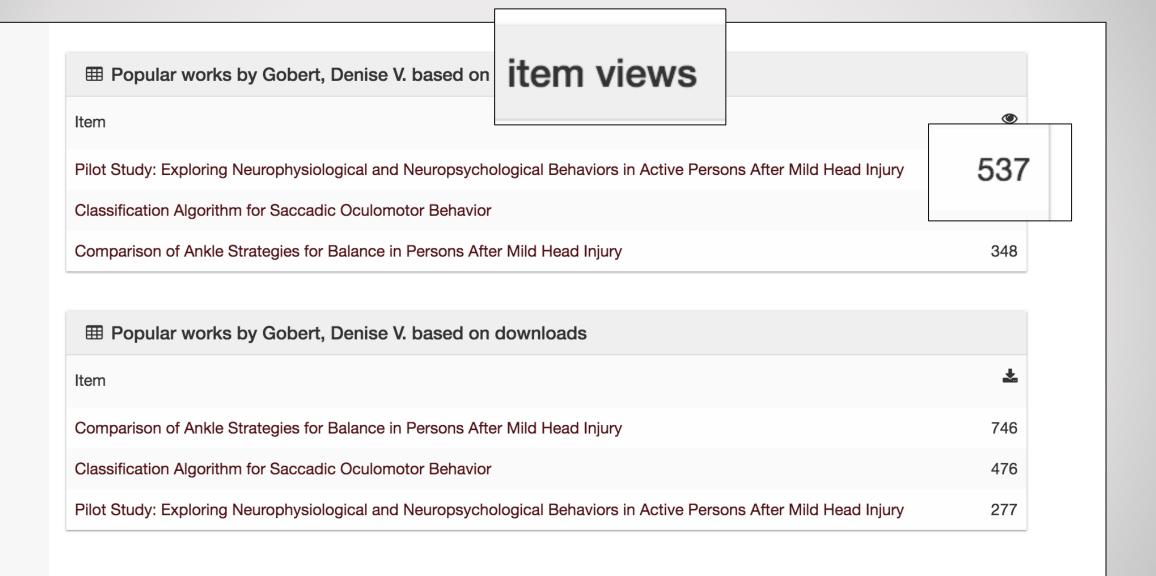
⊞ Top countries by downloads of the past 6 months	
Country	<b>±</b>
United States	14
China	5
Saudi Arabia	3
Germany	2
Guadeloupe	2





⊞ Popular works by Gobert, Denise V. based on item views	
Item	<b>©</b>
Pilot Study: Exploring Neurophysiological and Neuropsychological Behaviors in Active Persons After Mild Head Injury	537
Classification Algorithm for Saccadic Oculomotor Behavior	507
Comparison of Ankle Strategies for Balance in Persons After Mild Head Injury	348

■ Popular works by Gobert, Denise V. based on downloads	
Item	<b>±</b>
Comparison of Ankle Strategies for Balance in Persons After Mild Head Injury	746
Classification Algorithm for Saccadic Oculomotor Behavior	476
Pilot Study: Exploring Neurophysiological and Neuropsychological Behaviors in Active Persons After Mild Head Injury	277



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Pilot Study: Exploring Neurophysiological and Neuropsychological Behaviors in Active Persons After Mild Head Injury	537
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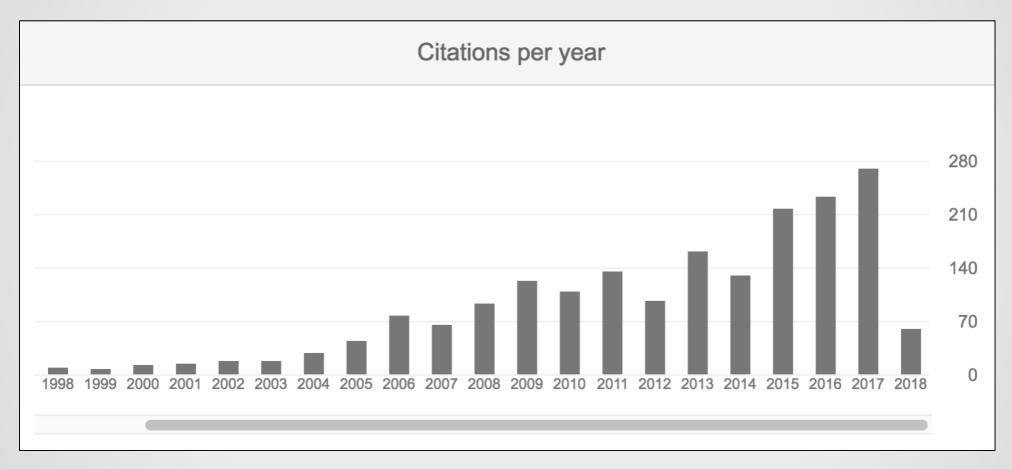


## Faculty Member: Beatrice A. Jones

- May 2006 through March 2018
  - Item Views: 59,722
    - 29% of all Faculty Item Views
  - Downloads: 99,519
    - 17% of all Faculty Downloads

## Example of Impact





# Organization and Archiving

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## Where is that, again?



- That article from 2012?
- Report from 2015?
- Presentation from the conference last year?

### **Recent Submissions**



### Dynamics and Visualization of MCF7 Adenocarcinoma Cell Death by Aptamer-C1q-Mediated Membrane Attack

Stecker, John; Savage, Alissa A.; Bruno, John G.; Garcia, Dana M.; Koke, Joseph R. (Mary Ann Liebert, Inc., 2012-11)

This study was designed to characterize binding of a DNA aptamer to breast cancer cells and to test whether that aptamer could be used to kill target cells in vitro as part of an aptamer-C1q protein conjugate by coupling ...



# Intermediate filaments of zebrafish retinal and optic nerve astrocytes and Müller glia: differential distribution of cytokeratin and GFAP

Koke, Joseph R.; Mosier, Amanda L.; Garcia, Dana M. (BioMed Central, 2010-03)

Background: Optic nerve regeneration (ONR) following injury is a model for central nervous system regeneration. In zebrafish, ONR is rapid - neurites cross the lesion and enter the optic tectum within 7 days; in ...



# Molecular and pharmacological characterization of muscarinic receptors in retinal pigment epithelium: role in light-adaptive pigment movements

Phatarpekar, Prasad V.; Durdan, Simon F.; Copeland, Chad M.; Crittenden, Elizabeth L.; Neece, James D.; Garcia, Dana M. (International Society for Neurochemistry, 2005)

Muscarinic receptors are the predominant cholinergic receptors in the central and peripheral nervous systems. Recently, activation of muscarinic receptors was found to elicit pigment granule dispersion in retinal pigment ...



# Uptake of 3H-cAMP by retinal pigment epithelium isolated from bluegill sunfish (Lepomis macrochirus)

Keith, Thomas A.; Radhakrishnan, Varsha; Moredock, Steve; Garcia, Dana M. (BioMed Central Ltd., 2006-12)

Background: In bluegill sunfish, the melanin-containing pigment granules of the retinal pigment

### **PUBLICATIONS**

No

M

September 2017 Brannon, S., Waugh, L., "Rendering repositories: Taking out the fat and

getting to the impact." Library Assessment Cookbook. Chicago: IL:

Association of College and Research Libraries (ACRL)

ISBN: 9780838988664

https://digital.library.txstate.edu/handle/10877/6866

of Academic Librarianship. Elsevier.

https://doi.org/10.1016/j.acalib.2015.08.007

https://doi.org/10.1016/j.acalib.2015.08.007

http://digital.library.unt.edu/ark:/67531/metadc725844/

collections." Serials Librarian. 65(1-4). Taylor & Francis.

DOI: 10.1080/0361526X.2015.1017715

http://digital.library.unt.edu/ark:/67531/metadc406384/

### **PRESENTATIONS**

August 2016 Presenter, "A consortial approach to data repository services." CTLC

Scholarly Communication and Digital Curation Affinity Group Meeting,

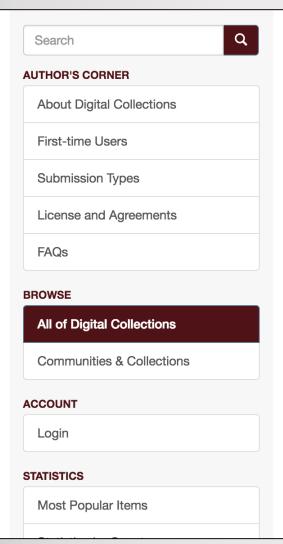
Fort Worth, Texas.

http://hdl.handle.net/2249.1/76319

June 2016 Collaborator, "A consortial model for research data services using

Dataverse." Open Repositories Conference, Dublin, Ireland.

http://hdl.handle.net/2249.1/76314



# **Digital Collections Repository**

The Digital Collections repository is a service that provides free and open access to the scholarship and creative works produced and owned by the Texas State University community. The Digital Collections centralizes, preserves, and makes accessible the knowledge generated by the university community, which includes faculty publications, theses & dissertations, plus digitized materials from The Wittliff Collections, the University Archives, and other materials unique to Texas State University. It is a professionally maintained archive that gives the university's intellectual and creative output increased visibility and accessibility over time.

# **Communities**

Select a community to browse its collections.

### Departments, Schools, Centers & Institutes

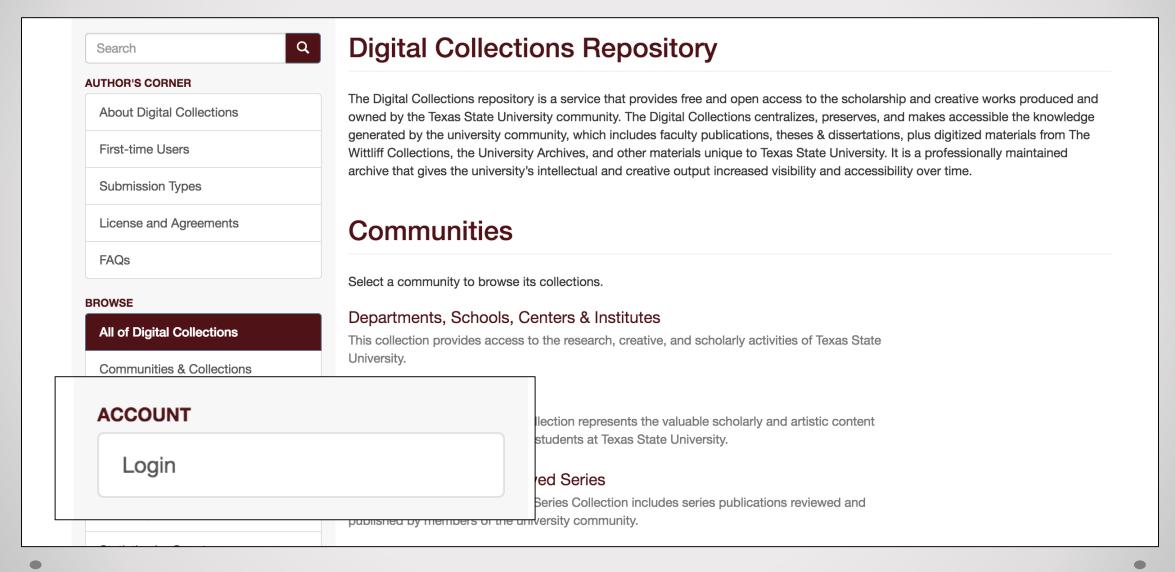
This collection provides access to the research, creative, and scholarly activities of Texas State University.

### Dissertations and Theses

The Dissertations and Theses Collection represents the valuable scholarly and artistic content created by doctoral and masters students at Texas State University.

### Journals and Peer-Reviewed Series

The Journals and Peer-reviewed Series Collection includes series publications reviewed and published by members of the university community.



UTHOR'S CORNER	
About Digital Collections	The Digital Collections repository is a service that provides free and open access to the scholarship and creative works produced an owned by the Texas State University community. The Digital Collections centralizes, preserves, and makes accessible the knowledge
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Submission Types	archive that gives the university's intellectual and creative output increased visibility and accessibility over time.
License and Agreements	Communities
FAQs	
ROWSE	Select a community to browse its collections.
	Departments, Schools, Centers & Institutes
All of Digital Collections	This collection provides access to the research, creative, and scholarly activities of Texas State
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	Dissertations and Theses
	es Collection represents the valuable scholarly and artistic content
ACCOUNT	sters students at Texas State University.
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	ollections
Submissions	aring of the Southwest's literature, film, and music,

Search

# **Digital Collections Repository**

# AUTHOR'S CORNER

**About Digital Collections** 

First-time Users

**Submission Types** 

License and Agreements

**FAQs** 

s repository is a service that provides free and open access to the scholarship and creative works produced and tate University community. The Digital Collections centralizes, preserves, and makes accessible the knowledge ersity community, which includes faculty publications, theses & dissertations, plus digitized materials from The University Archives, and other materials unique to Texas State University. It is a professionally maintained university's intellectual and creative output increased visibility and accessibility over time.

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Dedicated to collecting, preserving and sharing of the Southwest's literature, film, and music, and the photography of the Southwest and Mexico, and to fostering the region's "Spirit of Place" in the wider world.

# CONTEXT

Logout

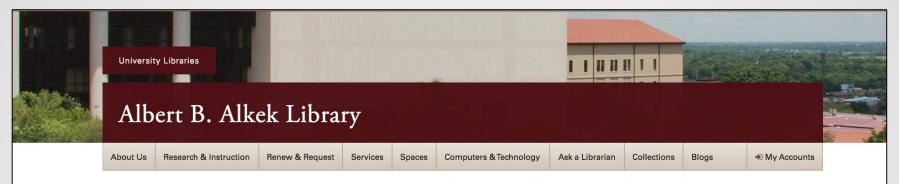
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Submissions

Create Community

#### **ADMINISTRATIVE**

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FAQs		
		d Theses
Logout		<del>s and</del> Theses Collection represents the valuable scholarly and artistic content oral and masters students at Texas State University.
Profile	Journals and	Peer-Reviewed Series
Submissions		d Peer-reviewed Series Collection includes series publications reviewed and embers of the university community.
ONTEXT	The Wittliff C	ollections - Digital Collections
Create Community		lecting, preserving and sharing of the Southwest's literature, film, and music,
	and the photogra	aphy of the Southwest and Mexico, and to fostering the region's "Spirit of ler world.



Texas State > University Libraries > Albert B. Alkek Library > Research & Instruction > Digital Collections at Texas State > Author's Corner > First-time Users

# First-time Users

The First-time User Guide offers instructions on logging in, viewing and editing your profile, and subscribing to monthly usage statistics reports received via email.

FirstTimeUsers-Repository (PDF, 11 MB)

The Submission Instructions is a reference tutorial for uploading your items to the Digital Collections Repository.

If you have questions such as copyright, formats, licensing, digitization of print materials, etc., please contact us. We are also happy to upload your work for you with copies of the items sent via email or Dropbox. Contact: <a href="mailto:digitalcollections@txstate.edu">digitalcollections@txstate.edu</a>

□ SubmissionInstructions-Repository (PDF, 18 MB)

#### **Quick Links**

Catalog

Research Databases

Periodical List

Interlibrary Loan

RefWorks/EndNote

Workshops

#### Services for:

Alumni

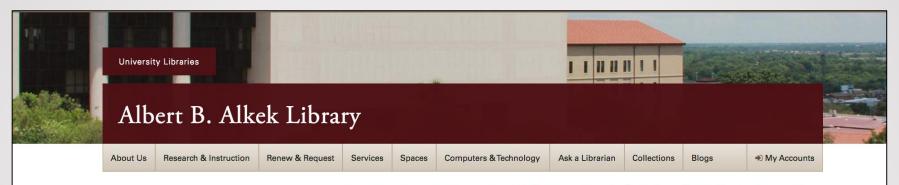
Distance Students

Faculty

Graduate Students

Round Rock Students

Indergraduate Students



Texas State > University Libraries > Albert B. Alkek Library > Research & Instruction > Digital Collections at Texas State > Author's Corner > First-time Users

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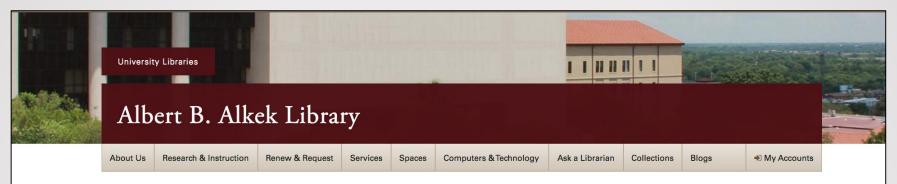
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AUTHOR'S CORNER

About Digital Collections

First-time Users

Submission Types

License and Agreements

FAQs

BROWSE

### All of Digital Collections

Communities & Collections

### **ACCOUNT**

Logout

Profile

Submissions

### CONTEXT

**Create Community** 

#### **ADMINISTRATIVE**

# **Digital Collections Repository**

The Digital Collections repository is a service that provides free and open access to the scholarship and creative works produced and owned by the Texas State University community. The Digital Collections centralizes, preserves, and makes accessible the knowledge generated by the university community, which includes faculty publications, theses & dissertations, plus digitized materials from The Wittliff Collections, the University Archives, and other materials unique to Texas State University. It is a professionally maintained archive that gives the university's intellectual and creative output increased visibility and accessibility over time.

# **Communities**

Select a community to browse its collections.

### Departments, Schools, Centers & Institutes

This collection provides access to the research, creative, and scholarly activities of Texas State University.

### Dissertations and Theses

The Dissertations and Theses Collection represents the valuable scholarly and artistic content created by doctoral and masters students at Texas State University.

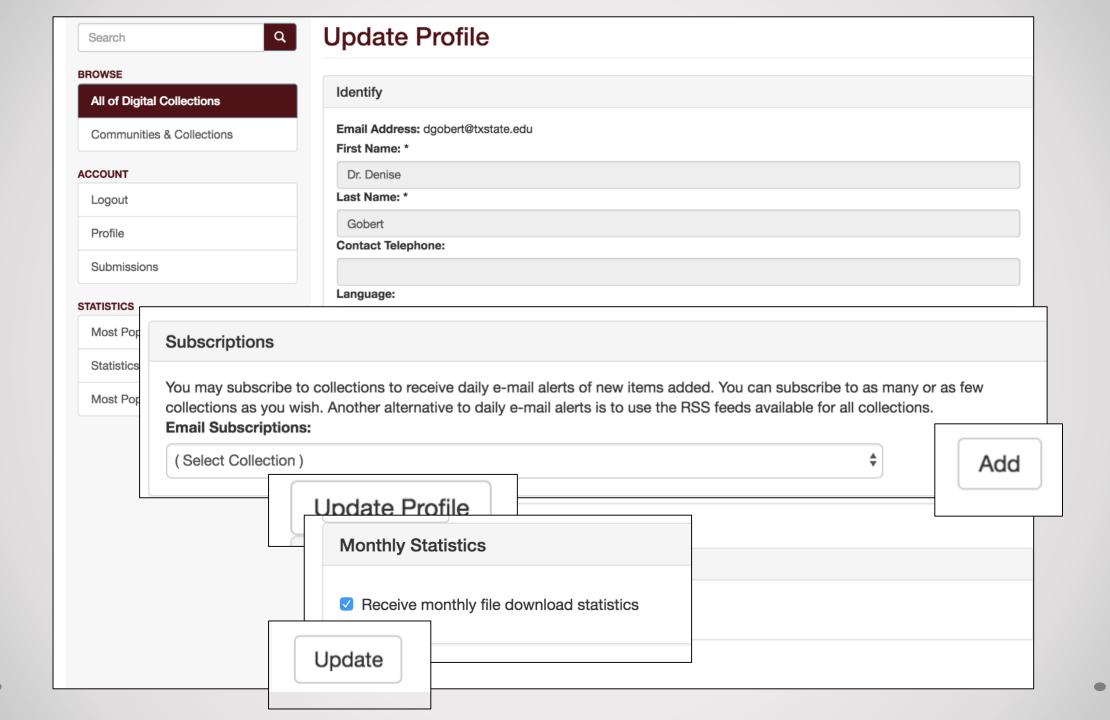
### Journals and Peer-Reviewed Series

The Journals and Peer-reviewed Series Collection includes series publications reviewed and published by members of the university community.

### The Wittliff Collections - Digital Collections

Dedicated to collecting, preserving and sharing of the Southwest's literature, film, and music, and the photography of the Southwest and Mexico, and to fostering the region's "Spirit of Place" in the wider world.

Search	Digital Collections Repository
AUTHOR'S CORNER	
About Digital Collections	The Digital Collections repository is a service that provides free and open access to the scholarship and creative works produced a owned by the Texas State University community. The Digital Collections centralizes, preserves, and makes accessible the knowledge.
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Submission Types	archive that gives the university's intellectual and creative output increased visibility and accessibility over time.
License and Agreements	Communities
FAQs	
BROWSE	Select a community to browse its collections.
	Departments, Schools, Centers & Institutes
All of Digital Collections	This collection provides access to the research, creative, and scholarly activities of Texas State
Communities & Collections	University.
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ADMINISTRATIVE	Place" in the wider world.





- Email me your items:
  - o <a href="mailto:lwaugh@txstate.edu">lwaugh@txstate.edu</a>
  - o digitalcollections@txstate.edu
- We'll upload it, normalize the file format, check copyright, add metadata, digitize – anything you need!

# Preprint, Post-Print, Publisher PDF, Oh my!



http://www.sherpa.ac.uk/romeo/index.php

# **Preprint Version**

DEVELOPMENT OF ABRAHAM MODEL CORRELATIONS FOR SOLVATION
CHARACTERISTICS OF LINEAR ALCOHOLS

Laura M. Sprunger<sup>a</sup>, Sai S. Achi<sup>a</sup>, Racheal Pointer<sup>a</sup>, Brooke H. Blake-Taylor<sup>a</sup>, William E. Acree,

Jr. a\*. Michael H. Abraham<sup>b</sup>

- Department of Chemistry, 1155 Union Circle Drive #305070, University of North Texas,
   Denton, TX 76203-5017 (USA)
- <sup>b</sup> Department of Chemistry, University College London, 20 Gordon Street, London, WC1H 0AJ (UK)

#### Abstract

Data have been compiled from the published literature on the partition coefficients of solutes and vapors into the anhydrous linear alcohols (methanol through 1-heptanol, and 1-decanol) from both water and from the gas phase. The logarithms of the water-to-alcohol partition coefficients (log P) and gas-to-alcohol partition coefficients (log K) were correlated with the Abraham solvation parameter model. The derived correlations described the observed log P and log K values to within average standard deviations of 0.14 and 0.12 log units, respectively. The predictive abilities of the each correlation were assessed by dividing databases into a separate training set and test set.

# Preprint:

- Submitted manuscript
- Authors' initial, submitted version of the article before peer-review
- Include in Repository (most cases)

# Post-print Version

DEVELOPMENT OF ABRAHAM MODEL CORRELATIONS FOR SOLVATION
CHARACTERISTICS OF LINEAR ALCOHOLS

Laura M. Sprunger<sup>a</sup>, Sai S. Achi<sup>a</sup>, Racheal Pointer<sup>a</sup>, Brooke H. Blake-Taylor<sup>a</sup>, William E. Acree,

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# Post-print:

- Accepted manuscript
- Authors' version of the article after accepted, peer-reviewed, and revisions, but before publishing
- Include in Repository (most cases)

# Published (PDF) Version

Journal of King Saud University - Computer and Information Sciences (2014) 26, 5-10



#### King Saud University

Journal of King Saud University – Computer and Information Sciences

> www.ksu.edu.sa www.sciencedirect.con



#### ORIGINAL ARTICLE

### **Emerging educational technologies: Tensions and synergy**

#### J. Michael Spector \*

Learning Technologies, University of North Texas, 3940 N. Elm Street, G 150 Denton, TX 76207, USA

Available online 4 November 201

#### KEYWORDS

Game-based learning; Knowledge objects; Learning objects; Instructional objects; MOOCs; Personalized learning Abstract A review of high level sources with regard to new and emerging technologies was conducted. Three technologies, according to those sources, appear especially promising: (a) massive open online courses (MOOCs), (b) personalized learning, and (c) game-based learning. This paper will review information from the US National Science Foundation, the US Department of Education, the New Media Consortium, and two European Networks of Excellence with regard to new and emerging technologies. A critique will then be provided using established principles pertaining to learning and instruction and a recommended curriculum for advanced learning technologies. The general result is that it appears that some educational technology advocates are overstating the like-lihood of these three technologies having a significant and sustained impact in the near future, although there are promising aspects to each of these technologies in the long terms.

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#### 1. Introduction

It is obviously true that technology changes and that changes are happening at an ever increasing pace with regard to digital technologies. This rapid pace of change places a burden on educators and instructional designers. The challenge is to make effective use of new technologies while preparing students for productive lives in the 21st century. Three technologies will be examined in this paper with regard to their likely impact on learning and instruction: (a) massive open online course (MOOCs.) (b) personalized learning, and (c) game-based learning. The sources that will be examined that propose these as promising technologies include a report entitled "Roadmap for Education Technology commissioned by the National

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Peer review under responsibility of King Saud University.



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Science Foundation" (Woolf, 2010), the US National Educational Plan (REF), the European Network of Excellence for Technology Enhanced Learning (STELLAR; REF), the European Network of Excellence for Game-based Learning (GaLA; REF), and the New Media Grossrotium's 2013 Horizon Report for Higher Education (REF). A critical review will be provided that shows that there are serious challenges for each of these promising new technologies. The conclusion will suggest what needs to be done in order for these technologies to have the impact their proponents envision.

As a foundation for what follows, several definitions and principles are necessary to consider. First, it is necessary to say how education should be considered. Education involves the systematic development of knowledge, skills, and attitudes that are likely to prepare individuals and productive members of society (Dewey, 1910, 1938). Each part of this definition is essential. Education clearly involves learning (knowledge, skills and attitudes). Developing responsible individuals involves the application of knowledge, skills and attitudes to the benefit of many without disadvantaging any particular individual or group (responsibility). Thoughtfulness is of vital

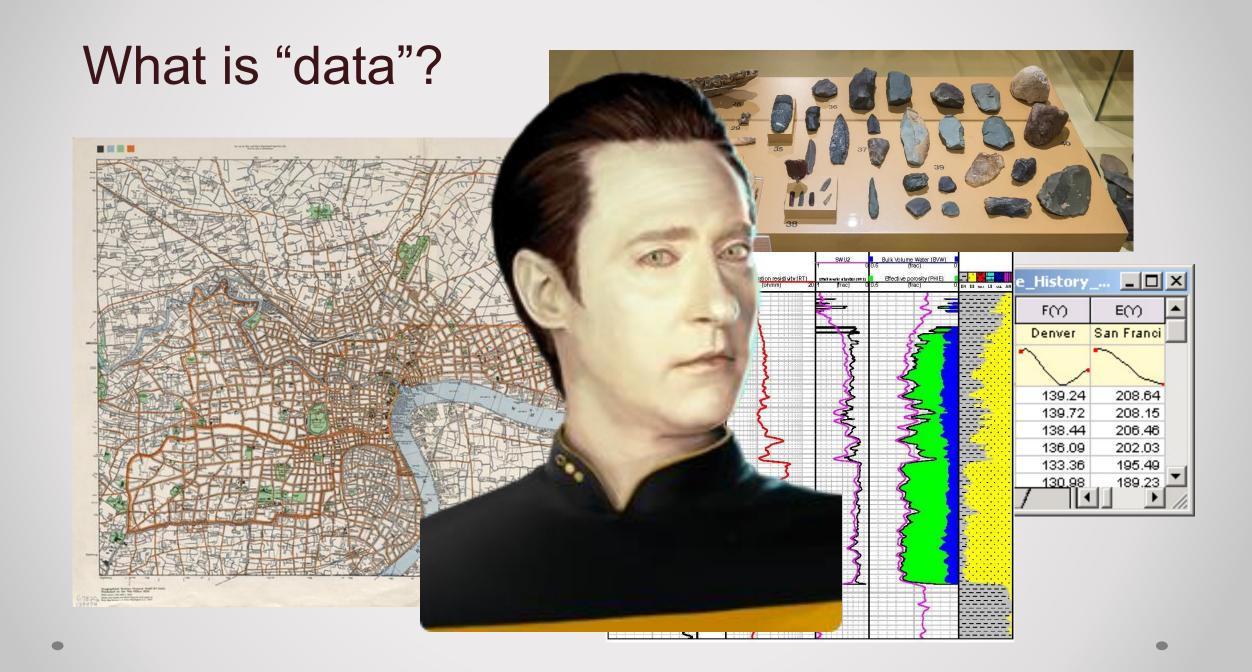
- Published (PDF):
  - Publisher-generated
  - Final published version with typesetting and logos
  - Sometimes, can include in Repository (potential copyright restrictions)

# Submit & Send as You Go



# TXST Dataverse Repository

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# Differs by Discipline

# **Natural/Physical Sciences**

- Observational
- Experimental
- Simulation
- Compiled

# **Social Sciences**

- Qualitative
- Quantitative

# **Humanities**

- Raw
- Primary
- Interpretive/Derived

# **Examples of Data**

"...materials generated or collected during the course of conducting research." (National Endowment for the Humanities)

- Databases
- Recordings
- Geospatial coordinates
- Documentation
- Software code

# Why bother with this?



- Save time and money
- Maximize your impact
- Allow for reuse
- Do better research

And, it's required!

# File Format Considerations

- Dataverse accepts any format
- Use what's common in your discipline
- Non-proprietary, open standards
  - Suggested formats:
    - Comma-Separated Values (.csv)
    - Plain Text (US-ASCII, UTF-8 (.txt)
    - XML (.xml)
    - JPEG (.jpg)
    - PNG (.png)
    - AIFF (.aif, .aiff)
    - WAVE (.wav)
    - AVI (uncompressed) (.avi)



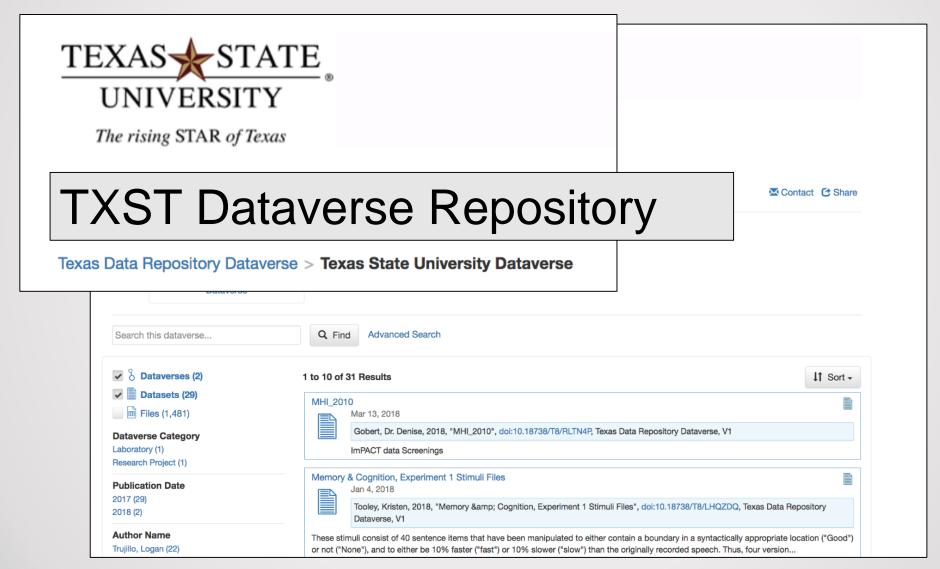








# Finally, the moment you've all been waiting for...



# TXST Dataverse Repository



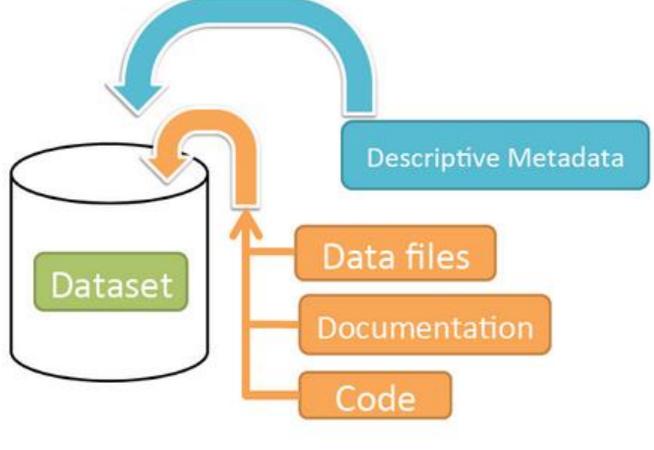
# Benefits and Features

- Meeting funder mandates
- Permanent URL (doi)
- Organize and archive
- Increase citations and impact
  - (receive credit for you work)
- Viewable statistics

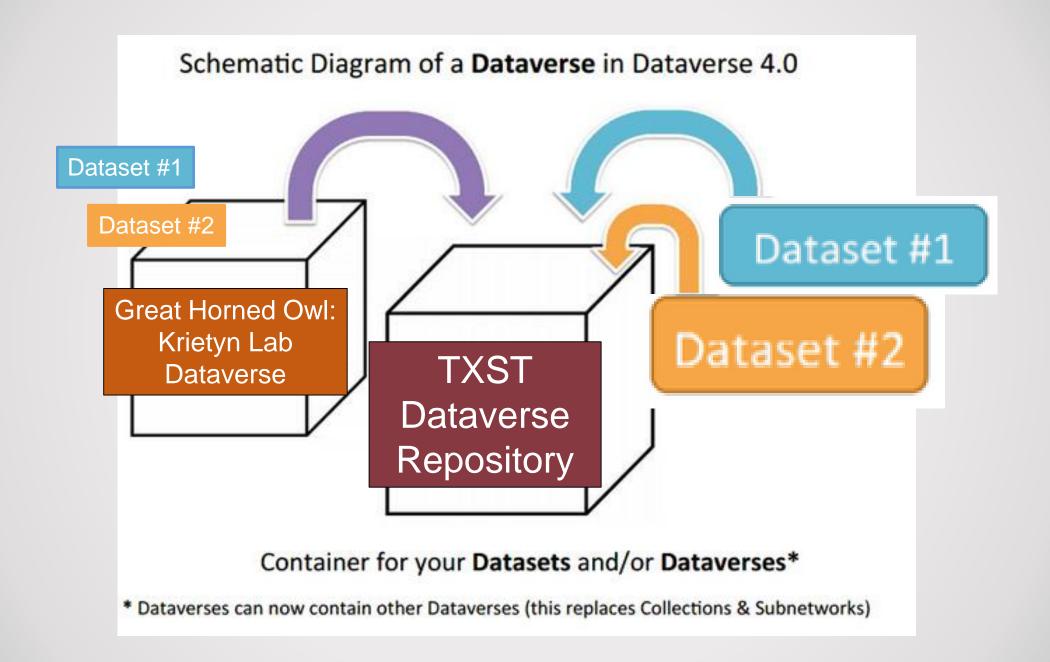
https://digital.library.txstate.edu

# Structure of Dataverse

# Schematic Diagram of a **Dataset** in Dataverse 4.0



Container for your data, documentation, and code.



# **TXST Dataverse Repository**



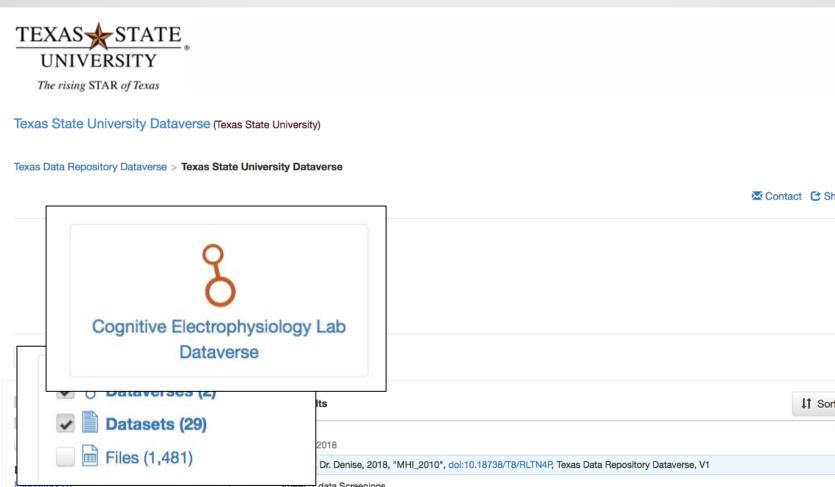
# Option 1:

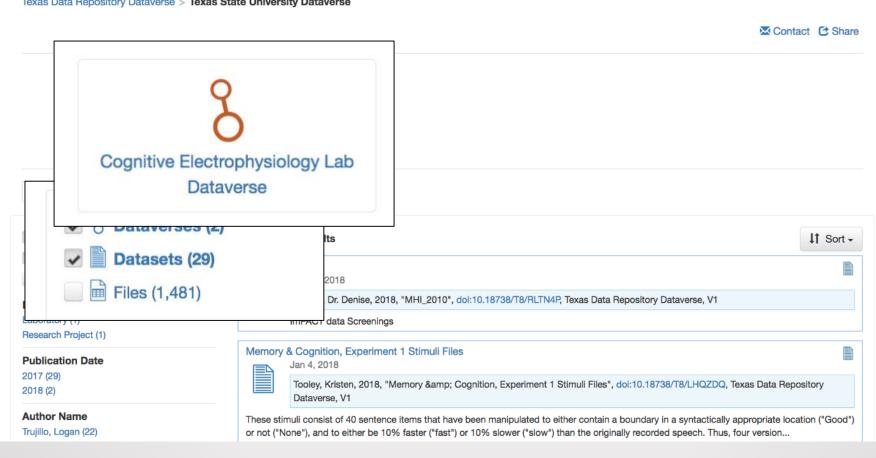
Deposit data directly into TXST Dataverse

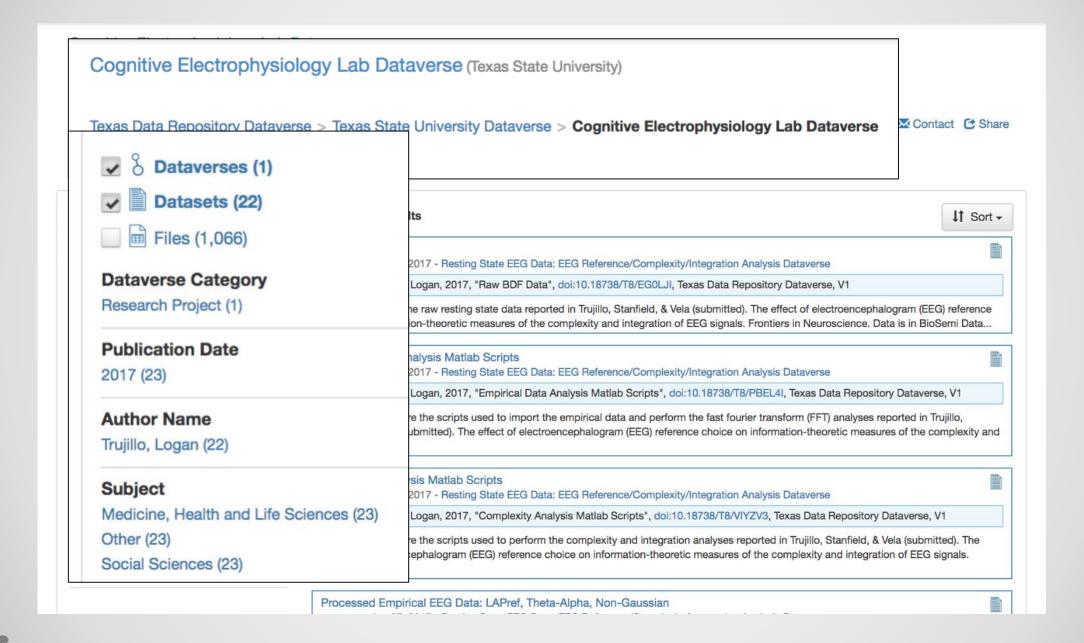
# Option 2 (recommended):

- Create a 'dataverse' inside the TXST Dataverse and deposit your data
  - Research projects, Grants, Departments, Groups, etc.

https://digital.library.txstate.edu







# A Look Around Dataverse

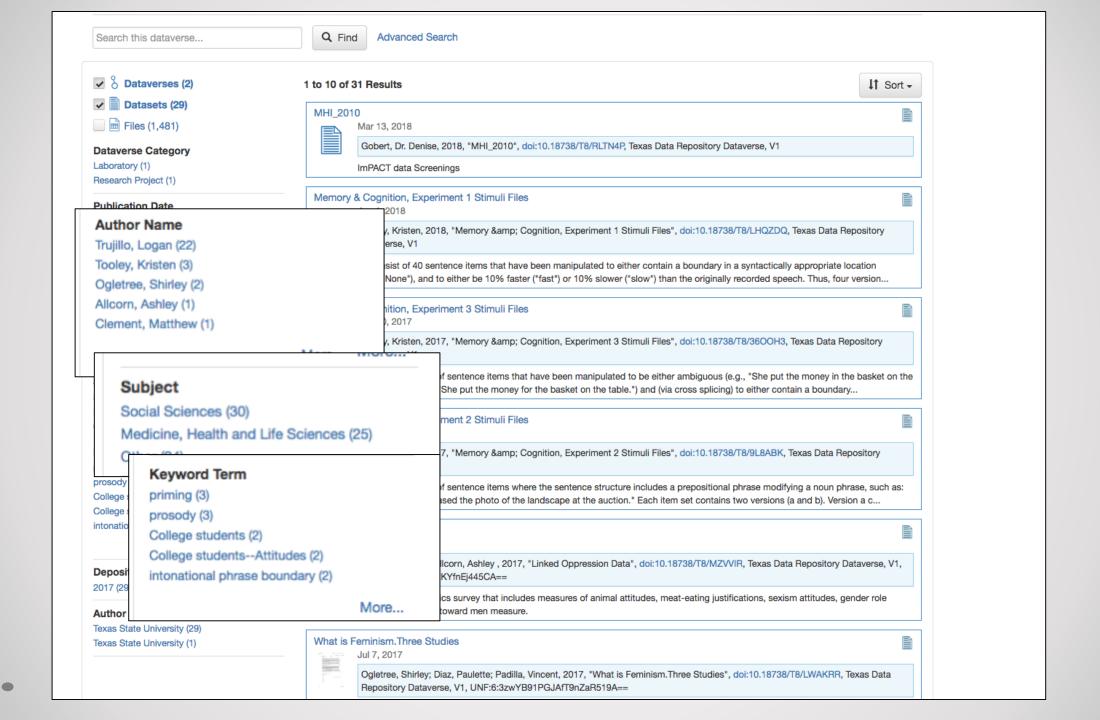
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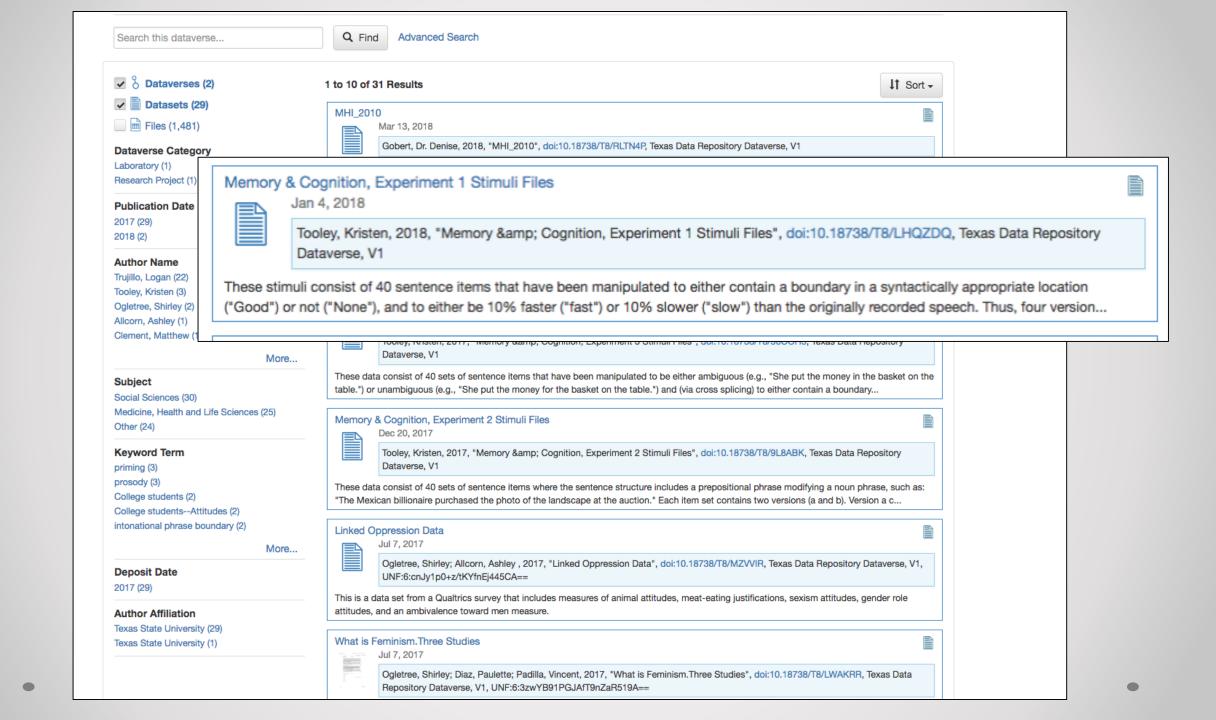


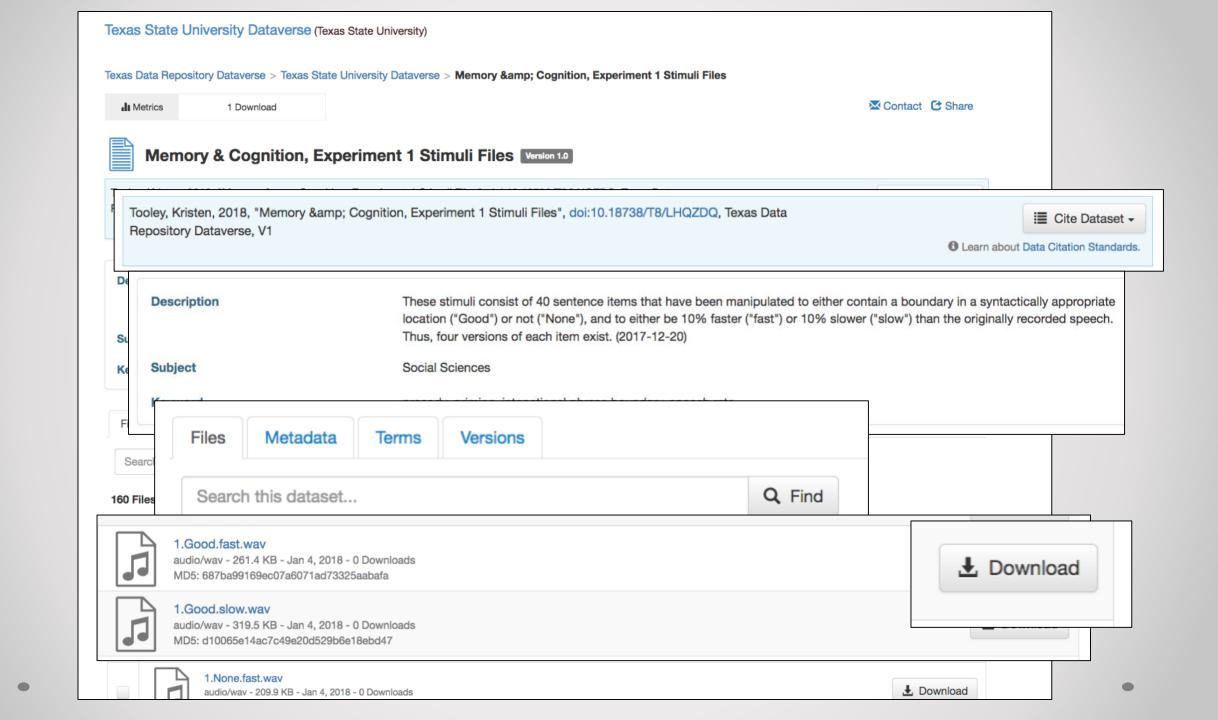


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Cognitive Electrophysiology Lab Dataverse	
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Datasets (29) Files (1,481)  Dataverse Category  Laboratory (1)	MHI_2010  Mar 13, 2018
	Gobert, Dr. Denise, 2018, "MHI_2010", doi:10.18738/T8/RLTN4P, Texas Data Repository Dataverse, V1  ImPACT data Screenings
Research Project (1)	Memory & Cognition, Experiment 1 Stimuli Files
<b>Publication Date</b> 2017 (29) 2018 (2)	Jan 4, 2018  Tooley, Kristen, 2018, "Memory & Dataverse, V1  Tooley, Kristen, 2018, "Memory & Dataverse, V1
Author Name Trujillo, Logan (22)	These stimuli consist of 40 sentence items that have been manipulated to either contain a boundary in a syntactically appropriate location ("Good") or not ("None"), and to either be 10% faster ("fast") or 10% slower ("slow") than the originally recorded speech. Thus, four version

https://dataverse.tdl.org/dataverse/txstate





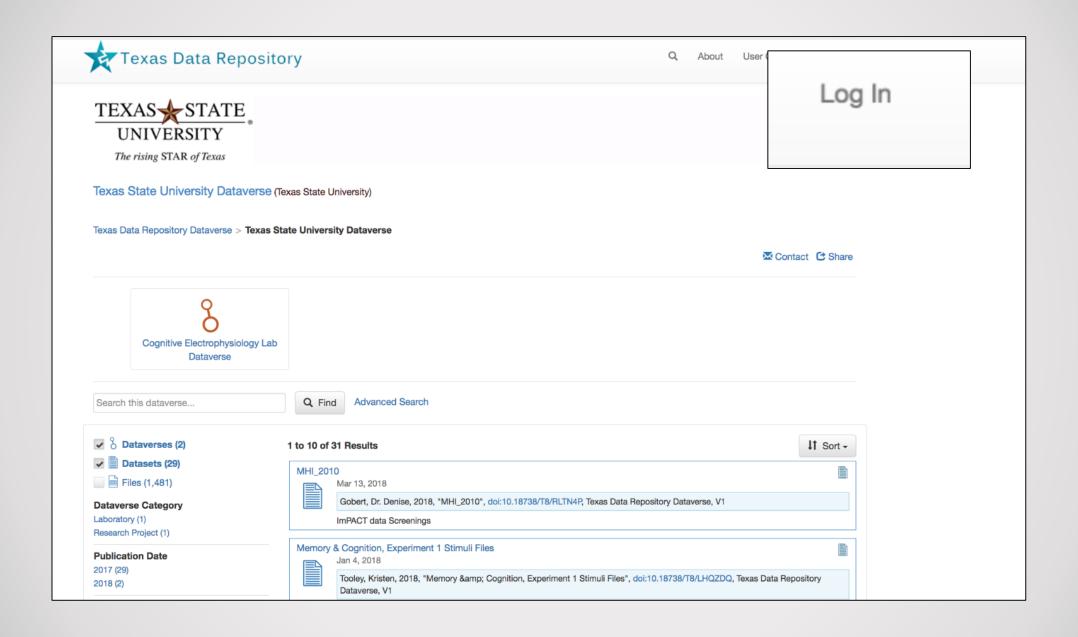


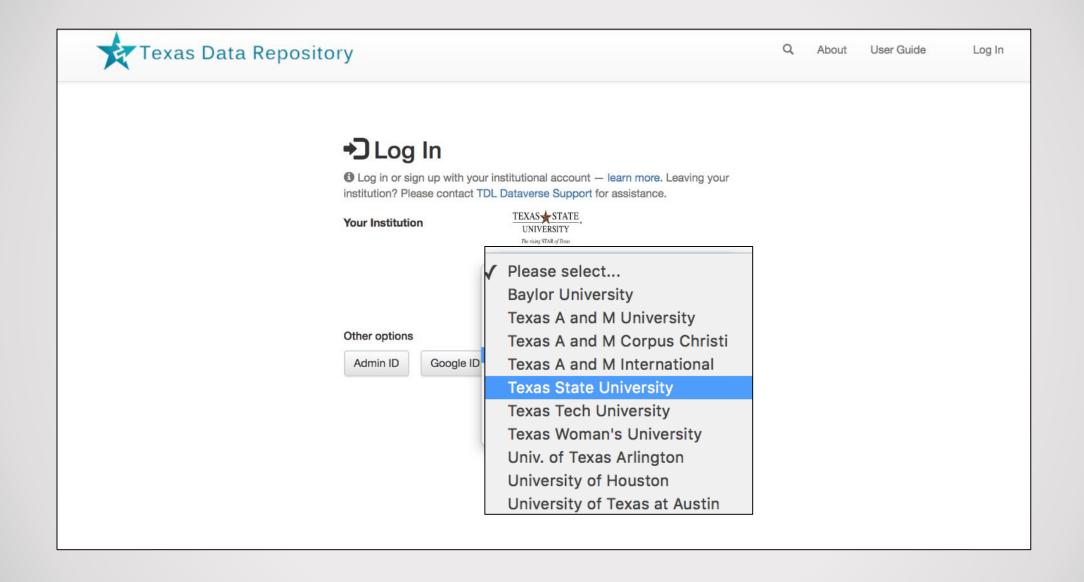
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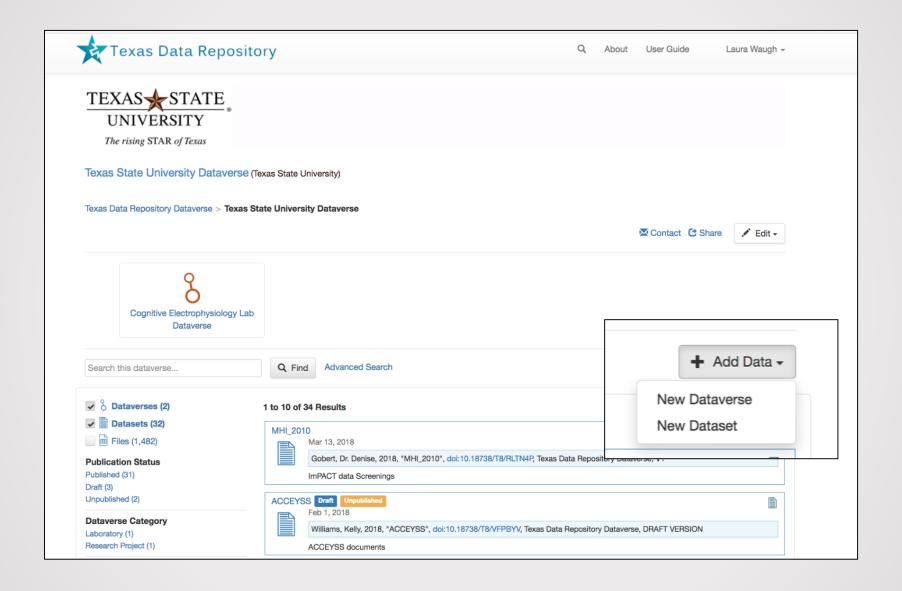


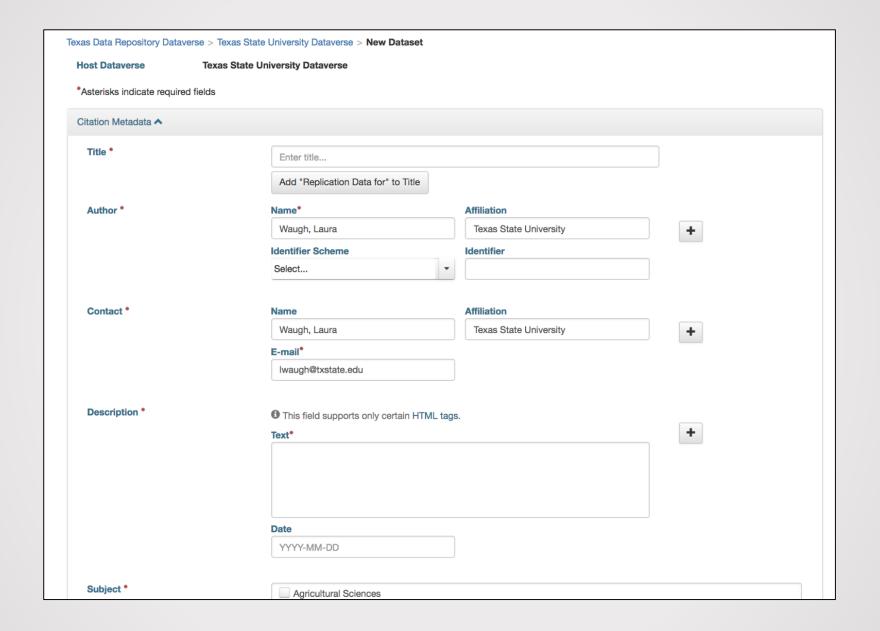
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	Raw BDF Data Version 1.0		e Dataset ▼	
	Trujillo, Logan, 2017, "Raw BDF Data", doi:10.18738/T8/EG0LJI, Texas Data Repository Dataverse, V	V1	XML	
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	EEG_Cat_Study4_Resting_S11.bdf Unknown - 27.1 MB - Jun 27. 2017 - 3 Downloads	<b>♣</b> Down	nload	

# Submitting Your Data









#### Describe Your Data



- Ensure reusability
- Metadata helps
- Consider your Discipline
- ReadMe (.txt) file

## TXST Dataverse Repository



- Remains unpublished until you click "Publish"
- Can share unpublished data with colleagues
  - Provide access to researchers at other institutions
- User Guide with step-by-step instructions:

http://data.tdl.org/user-guide/

#### Learn More:

- From Office of the White House Chief Information Officer: <a href="https://project-open-data.cio.gov/">https://project-open-data.cio.gov/</a>
- Links to Federal Agency Open Mandates: <a href="http://www.library.cmu.edu/datapub/sc/publicaccess/policies/usgovfunders">http://www.library.cmu.edu/datapub/sc/publicaccess/policies/usgovfunders</a>
   S
- ICPSR: What is data curation? <a href="https://www.youtube.com/watch?v=ZEkqF8cL2qQ">https://www.youtube.com/watch?v=ZEkqF8cL2qQ</a>
- Find the Texas State University Dataverse on the library website under "Services to Faculty": <a href="http://www.library.txstate.edu/services/faculty.html">http://www.library.txstate.edu/services/faculty.html</a>
- Find Research Data information from the Office of Research and Sponsored Services at: <a href="http://www.txstate.edu/research/avpr/data\_mgmt">http://www.txstate.edu/research/avpr/data\_mgmt</a>

#### Questions?

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