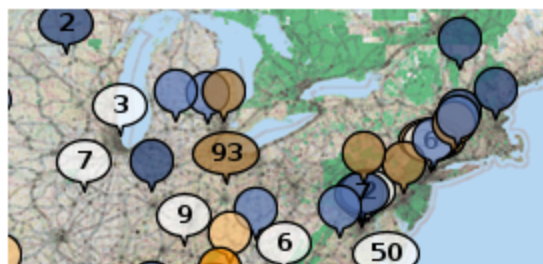
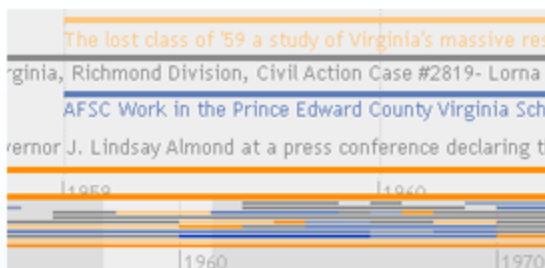




Present Visual Collections



Map your collections



Browse collection timelines

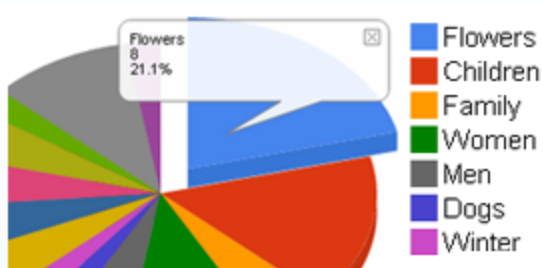


Chart relationships in collection data

**Viewshare is a free platform** for generating and customizing views, (**interactive maps, timelines, facets, tag clouds**) that allow users to experience your **digital collections.**

[Request Free Account](#)

[Watch Screencast](#)

[Get Started](#)

### Import Collections

Ingest collections from **spreadsheets** or **MODS** records. Upload from your desktop or import them from a URL.

### Generate Views

Generate distinct interactive visual interfaces to your digital collections, including **maps** and **timelines**, and sophisticated **faceted navigation.**

### Embed and Share

Just **copy-paste to embed** your interface in any webpage. Provide your users with novel and intuitive ways to explore your content

# overview

- **Free, open source visualization platform developed by National Digital Information Infrastructure and Preservation Program (NDIIPP)**
- **Tool for creating new interfaces, relationships, and access points for digital resources**

# the idea

Digital cultural heritage collections include **temporal**, **locative**, and **categorical data** that could be tapped in order to better **dynamically interact with** and **understand** those collections.

# how?

- **Generate views including lists, maps, scatter plots, timelines, pie charts**
- **Generate facets including categories, people, topics, sliders for date ranges, weighted tag clouds**
- **Data augmentation – convert heterogeneous metadata into standardized formats (geo-coordinates, ISO 8601 dates)**

# linked open data connection

- **Exposes underlying metadata; makes it open and exportable in multiple formats**
- **Allows multiple users to create different views from the same collection dataset**
- **Allows sharing of collection views through links and embedding in websites**

**what  
viewshare  
does**

```
1 <?xml version="1.0" ?>
2 <modsCollection xsi:schemaLocation="http://www.loc.gov/mods/v3 http://www.loc.gov/standards/mods/v3/mod
3 <mods>
4 <titleInfo>
5 <title>Identity as an Analytic Lens for Research in Education</title>
6 </titleInfo>
7 <typeOfResource>text</typeOfResource>
8 <genre authority="local">journalArticle</genre>
9 <genre authority="marcgt">periodical</genre>
10 <name type="personal">
11 <namePart type="family">Gee</namePart>
12 <namePart type="given">James Paul</namePart>
13 <role>
14 <roleTerm type="code" authority="marcrelator">aut</roleTerm>
15 </role>
16 </name>
17 <relatedItem type="host">
18 <part>
19 <detail type="volume">
20 <number>25</number>
21 </detail>
22 <extent unit="pages">
23 <start>99</start>
24 <end>125</end>
25 </extent>
26 </part>
27 <originInfo>
28 <dateIssued>2000 - 2001</dateIssued>
29 <dateCaptured>2009-12-12 13:27:25</dateCaptured>
30 </originInfo>
31 <identifier type="issn">0091732X</identifier>
32 <titleInfo>
33 <title>Review of Research in Education</title>
34 </titleInfo>
```

take this

	A	B	C	D	E	F
1	Subject	Name of Specific Collection	URL	Collection Availability	Timeline	Collection Start Date
2	AMERICAN HISTORY	Ames HS	<a href="http://www.archive-it.org">http://www.archive-it.org</a>	Online	2008 - 2009	2008
3	AMERICAN HISTORY	Ames MS	<a href="http://www.archive-it.org">http://www.archive-it.org</a>	Online	2008 - 2010	2008
4	AMERICAN HISTORY	Baton Rouge HS	<a href="http://www.archive-it.org">http://www.archive-it.org</a>	Online	2008	2008
5	AMERICAN HISTORY	<a href="http://webarchives.cdlib.org">Web at Risk Wiki Archive</a>	<a href="http://webarchives.cdlib.org">http://webarchives.cdlib.org</a>	Online	January 20, 2008	20-Jan-10
6	AMERICAN HISTORY	Charlston HS	<a href="http://www.archive-it.org">http://www.archive-it.org</a>	Online	2008 - 2010	2008
7	AMERICAN HISTORY	Clague MS	<a href="http://www.archive-it.org">http://www.archive-it.org</a>	Online	2009 - 2010	2009
8	AMERICAN HISTORY	The Civil War in America from	<a href="http://beck.library.emory.edu">http://beck.library.emory.edu</a>	Online	1861-1865	1861
9	AMERICAN HISTORY	Conspectus Database	<a href="http://conspectus.metaarc.org">http://conspectus.metaarc.org</a>	Online		
10	AMERICAN HISTORY	Eustis HS	<a href="http://www.archive-it.org">http://www.archive-it.org</a>	Online	2009 - 2010	2009
11	AMERICAN HISTORY	FSU Claude Pepper Library E	<a href="http://nas-725n.lib.fsu.edu">http://nas-725n.lib.fsu.edu</a>	Online		
12	AMERICAN HISTORY	FSU Cuneiform Tablets Collec	<a href="http://nas-725n.lib.fsu.edu">http://nas-725n.lib.fsu.edu</a>	Online	2007-2008	2007
13	AMERICAN HISTORY	FSU Dissertations 1952-2002	<a href="http://digitool.fcla.edu/R/">http://digitool.fcla.edu/R/</a>	Online	1952-2002	1952
14	AMERICAN HISTORY	FSU Heritage Protocol Collec	<a href="http://heritage.fsu.edu/">http://heritage.fsu.edu/</a>	Online	1900-2008	1900
15	AMERICAN HISTORY	FSU Historic Photograph Coll	<a href="http://digitool.fcla.edu/R/">http://digitool.fcla.edu/R/</a>	Online	1940-1990	1940
16	AMERICAN HISTORY	FSU Historic Theses Collectio	<a href="http://digitool.fcla.edu/R/">http://digitool.fcla.edu/R/</a>	Online	1900-2002	1900
17	AMERICAN HISTORY	FSU History and Heritage Rar	<a href="http://nas-725n.lib.fsu.edu">http://nas-725n.lib.fsu.edu</a>	Online		
18	AMERICAN HISTORY	FSU Provost Dr. Lawrence A	<a href="http://nas-725n.lib.fsu.edu">http://nas-725n.lib.fsu.edu</a>	Online	1887-1982	1887
19	AMERICAN HISTORY	FSU Provost Dr. Lawrence A	<a href="http://nas-725n.lib.fsu.edu">http://nas-725n.lib.fsu.edu</a>	Online	1887-1982	1887
20	AMERICAN HISTORY	FSU Special Collections	<a href="http://www.fsu.edu/~spec">http://www.fsu.edu/~spec</a>	Online		
21	AMERICAN HISTORY	FSU Undergraduate Honors ir	<a href="http://nas-725n.lib.fsu.edu">http://nas-725n.lib.fsu.edu</a>	Online	2004-2008	2004
22	AMERICAN HISTORY	FSU "Flying High" Circus Coll	<a href="http://nas-725n.lib.fsu.edu">http://nas-725n.lib.fsu.edu</a>	Online	1953-1969	1953
23	AMERICAN HISTORY	Francis Hammond MS	<a href="http://www.archive-it.org">http://www.archive-it.org</a>	Online	2009 - 2010	2009

or this



**and make...**



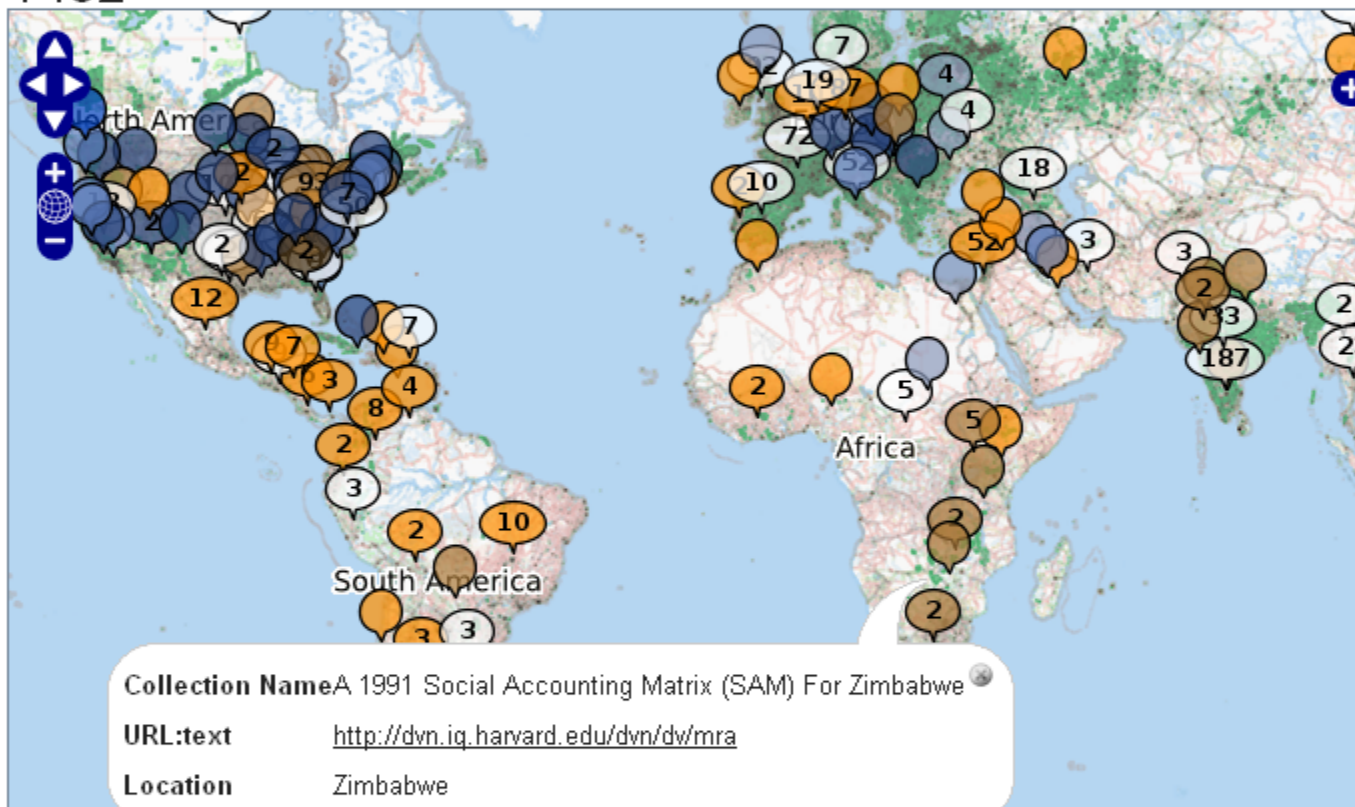
# NDIIPP Collections

Created by [Abbey Potter](#) on Oct. 27, 2011 and based on the [NDIIPP Collections](#) data set.

[Inspect](#) | [Embed](#)

MAP • LIST • TIMELINE • PIE CHART

1402



Explore the digital collections selected for preservation by **NDIIPP partners**.

### Type

- 40 Audio/Video
- 19 Geospatial
- 1266 Text and/or Image
- 134 Web sites

### Subject: text

- 81 AMERICAN HISTORY
- 48 ARTS AND CULTURE
- 99 GOVERNMENT, POLITICS AND LAW
- 16 MAPS AND GEOGRAPHY
- 734 NEWS, MEDIA, JOURNALISM

- AMERICAN HISTORY
- ARTS AND CULTURE
- GOVERNMENT, POLITICS AND LAW
- MAPS AND GEOGRAPHY
- NEWS, MEDIA, JOURNALISM
- RELIGION AND PHILOSOPHY
- SCIENCE, MATHEMATICS AND TECHNOLOGY
- SOCIAL SCIENCES
- SPORTS, RECREATION AND TRAVEL
- WORLD HISTORY AND CULTURES
- mixed



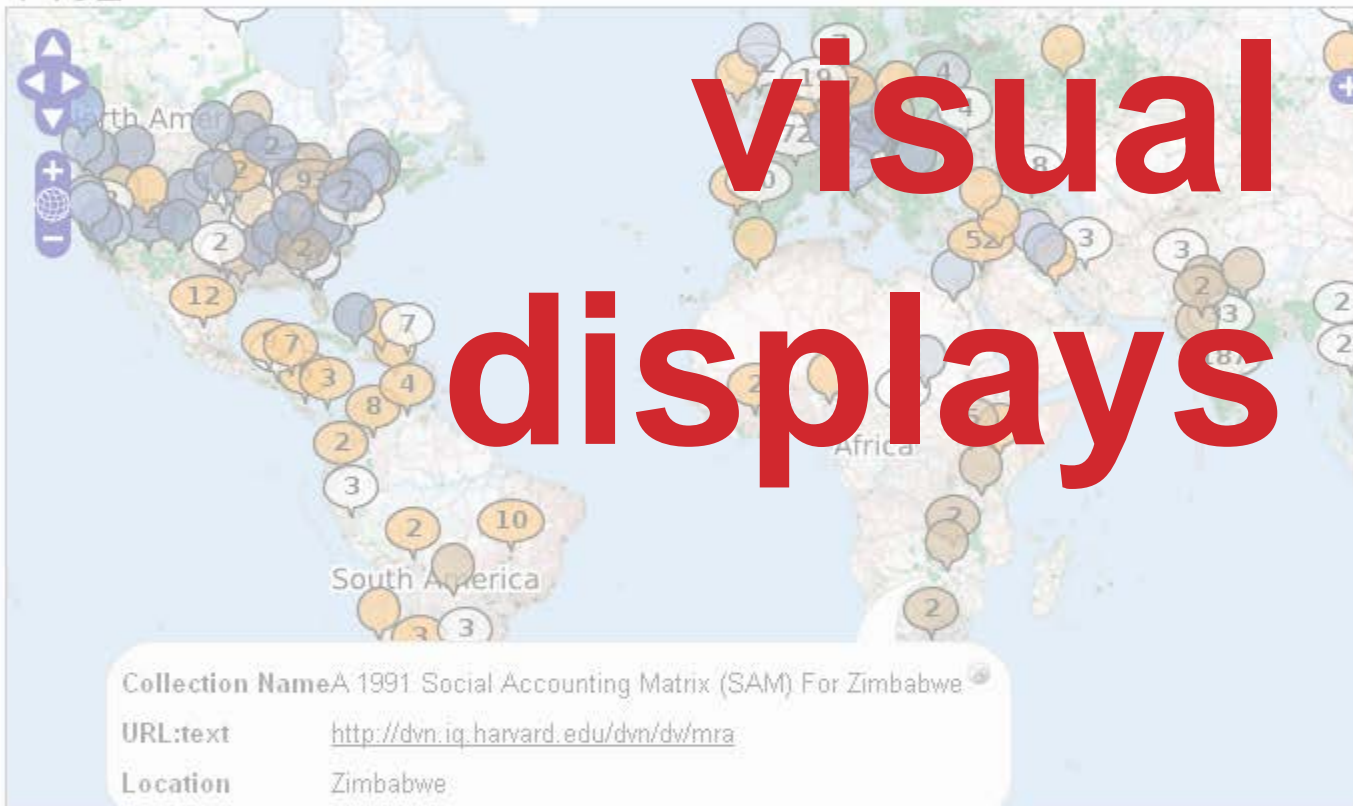
# NDIIPP Collections

Created by [Abbey Potter](#) on Oct. 27, 2011 and based on the [NDIIPP Collections](#) data set.

[Inspect](#) | [Embed](#)

MAP • LIST • TIMELINE • PIE CHART

1402



# visual displays

Explore the digital collections selected for preservation by NDIIPP partners.

Type

40	Audio/Video
19	Geospatial
1266	Text and/or Image
134	Web sites

Subject: text

81	AMERICAN HISTORY
48	ARTS AND CULTURE
99	GOVERNMENT, POLITICS AND LAW
16	MAPS AND GEOGRAPHY
734	NEWS, MEDIA, JOURNALISM

- AMERICAN HISTORY
- ARTS AND CULTURE
- GOVERNMENT, POLITICS AND LAW
- 
- MAPS AND GEOGRAPHY
- NEWS, MEDIA, JOURNALISM
- RELIGION AND PHILOSOPHY
- 
- SCIENCE, MATHEMATICS AND TECHNOLOGY
- SOCIAL SCIENCES
- 
- SPORTS, RECREATION AND TRAVEL
- WORLD HISTORY AND CULTURES
- mixed

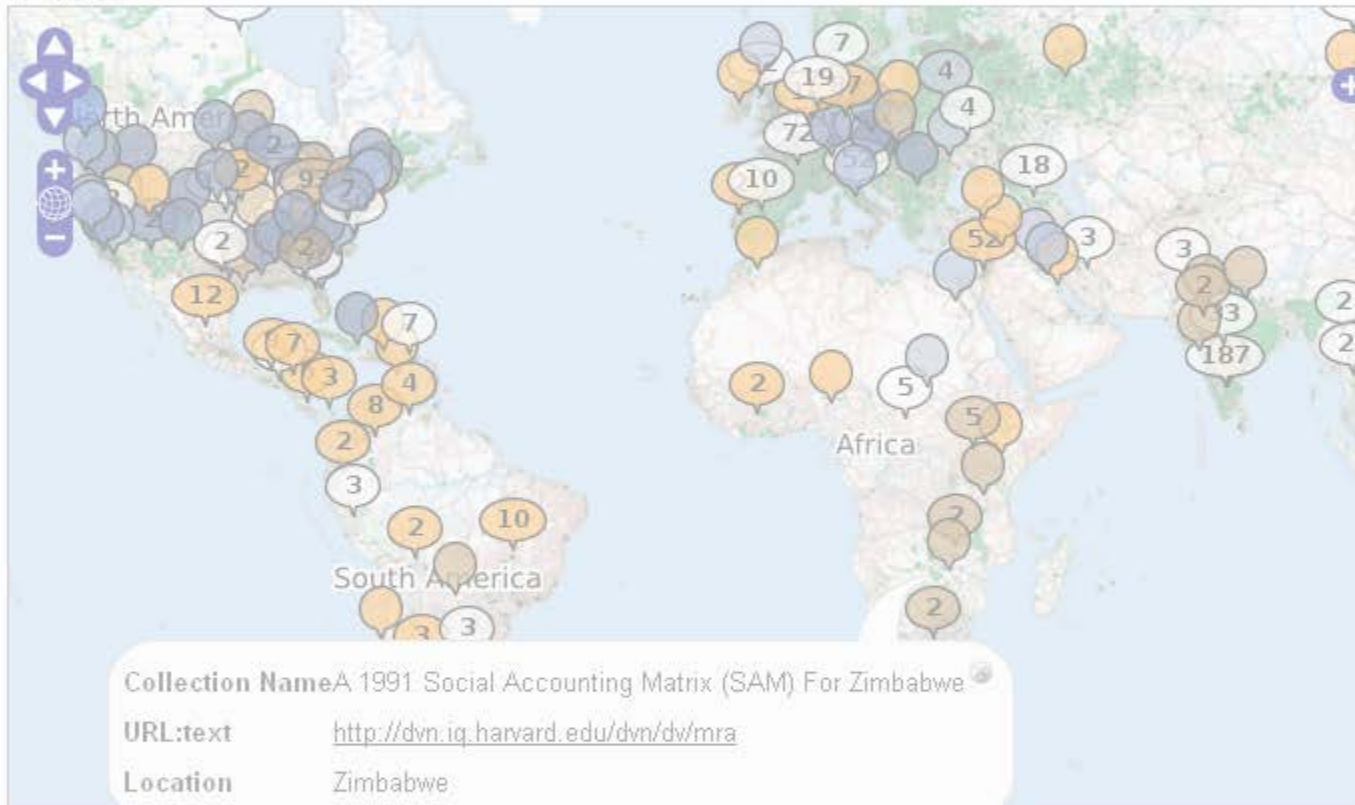
# NDIIPP Collections

Created by [Abbey Potter](#) on Oct. 27, 2011 and based on the [NDIIPP Collections](#) data set.

[Inspect](#) | [Embed](#)

MAP • LIST • TIMELINE • PIE CHART

1402



Explore the digital collections selected for preservation by [NDIIPP partners](#).

## Type

- 40 Audio/Video
- 99 Games
- 120 Text and Language
- 174 Web sites

# dynamic facets

## Subjecttext

- 81 AMERICAN HISTORY
- 48 ARTS AND CULTURE
- 99 GOVERNMENT, POLITICS AND LAW
- 16 MAPS AND GEOGRAPHY
- 734 NEWS, MEDIA, JOURNALISM

- AMERICAN HISTORY
- ARTS AND CULTURE
- GOVERNMENT, POLITICS AND LAW
- MAPS AND GEOGRAPHY
- NEWS, MEDIA, JOURNALISM
- RELIGION AND PHILOSOPHY
- SCIENCE, MATHEMATICS AND TECHNOLOGY
- SOCIAL SCIENCES
- SPORTS, RECREATION AND TRAVEL
- WORLD HISTORY AND CULTURES
- mixed



## Partner Collections

## Search

Preservation partners from around the world are selecting and preserving at risk digital content. Use this interface to explore what has been collected so far.

## Subject

- 82 AMERICAN HISTORY
- 48 ARTS AND CULTURE
- 99 GOVERNMENT, POLITICS AND LAW
- 16 MAPS AND GEOGRAPHY

## Content Type

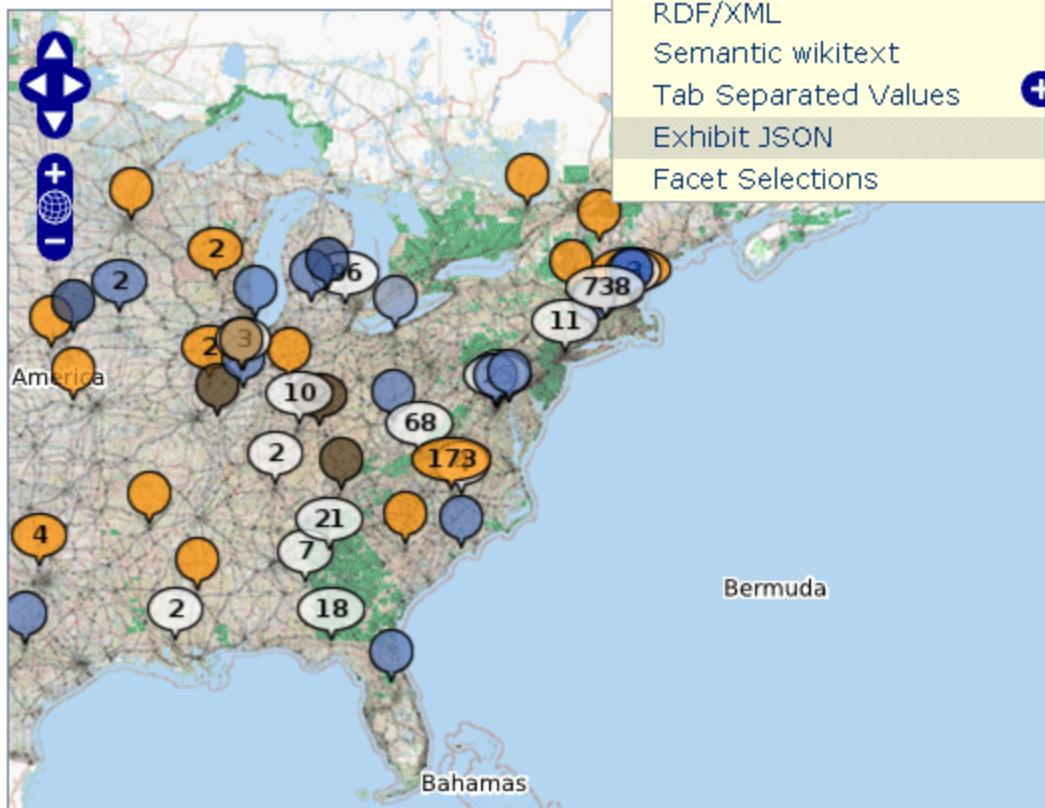
- 40 Audio/Video
- 19 Geospatial
- 1266 Text and/or Image
- 135 Web sites

## Availability

- 264 Online
- 12 Onsite
- 1133 Research Use
- 5 Restricted Access

MAP • TIMELINE • LIST • TABLE

1403



- AMERICAN HISTORY
- ARTS AND CULTURE
- GOVERNMENT, POLITICS AND LAW
- MAPS AND GEOGRAPHY
- NEWS, MEDIA, JOURNALISM
- RELIGION AND PHILOSOPHY
- SCIENCE, MATHEMATICS AND TECHNOLOGY
- SOCIAL SCIENCES





embedded  
in your site

Search

1403

Preservation partners from around the world are selecting and preserving at risk digital content. Use this map to explore which has been collected so far.

Subject

- 52 AMERICAN HISTORY
- 48 ARTS AND CULTURE
- 99 GOVERNMENT, POLITICS AND LAW

Content Type

- 40 Audio/Video
- 19 Geospatial
- 126 Text and/or Image
- 135 Web sites

Availability

- 264 Online
- 12 Onsite
- 113 Research Use
- 5 Restricted Access



- RDF/XML
- Semantic wikitext
- Tab Separated Values
- Exhibit JSON
- Facet Selections



### Partner Collections

#### Search

Preservation partners from around the world are selecting and preserving at risk digital content. Use this interface to explore what has been collected so far.

#### Subject

- 82 AMERICAN HISTORY
- 48 ARTS AND CULTURE
- 99 GOVERNMENT, POLITICS AND LAW

#### Content Type

- 40 Audio/Video
- 19 Geospatial
- 126 Text and/or Image
- 135 Web sites

#### Availability

- 264 Online
- 12 Onsite
- 113 Research Use
- 5 Restricted Access

MAP • TIMELINE • LIST • TABLE

1403



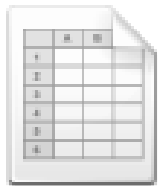
- RDF/XML
- Semantic wikitext
- Tab Separated Values
- Exhibit JSON
- Facet Selections

# exposed open data

# Workflow import



## Load Your Data



### Simple Spreadsheets

Simple rectangular spreadsheets in CSV or Microsoft Excel format.

[From the web](#) [From a file on your computer](#)



### XML MODS file

An XML file conforming to the Metadata Object Description Schema (MODS) schema.

[From the web](#) [From a file on your computer](#)



### OAI [Open Archives Initiative](#) end point (Beta)


The Open Archives Initiative develops and promotes interoperability standards that aim to facilitate content.

# Workflow

**import**

**augment**

Enabled	Field Name	<input type="button" value="+ Add"/>	Type	Value	1 of 22	<input type="button" value="←"/>	<input type="button" value="→"/>	<input type="button" value="✖ Delete Record"/>	<input type="button" value="↻ Augment"/>
<input checked="" type="checkbox"/>	<b>Categories</b>		text	Famous Residences				<input type="button" value="✖"/>	
<input checked="" type="checkbox"/>	<b>City and State</b>		text	Gunston Hall, Virginia				<input type="button" value="✖"/>	
<input checked="" type="checkbox"/>	<b>Name</b>		text	Gunston Hall, Home of George Mason.				<input type="button" value="✖"/>	
<input checked="" type="checkbox"/>	<b>Related Date</b>		text	1755				<input type="button" value="✖"/>	
<input checked="" type="checkbox"/>	<b>Country</b>		text	United States				<input type="button" value="✖"/>	
<input checked="" type="checkbox"/>	<b>Image URL</b>		image text url image datetime location					<input type="button" value="✖"/>	
<input checked="" type="checkbox"/>	<b>Description</b>			Built between 1755 and 1759, Gunston Hall was the home of founding father George Mason. Mason served as a delegate from Virginia to the Constitutional Convention. His work on the Virginia Declaration of Rights provided a model for the Bill of Rights. William Buckland, an indentured servant who worked for George Mason, designed the home. The house is an excellent example of Georgian style architecture and has had a significant impact on design in the area. For example, notice the engineering buildings at Fort Belvoir. Gunston Hall was located at the center of Mason's 5,500-acre plantation overlooking the Potomac.				<input type="button" value="✖"/>	
<input checked="" type="checkbox"/>	<b>aug location</b> Derived from these fields: • City_and_State • Country		location	38.664,-77.160				<input type="button" value="✖"/>	
<input checked="" type="checkbox"/>	<b>Aug Date</b> Derived from these fields: • Related_Date		datetime	1755-01-01T00:00:00+0000				<input type="button" value="✖"/>	
<input checked="" type="checkbox"/>	<b>Aug Topics</b> Extracted from Category		text	Famous Residences				<input type="button" value="✖"/>	

 URL  <http://archives.state.ak.us>

 Colle

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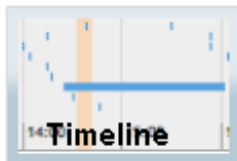
Extracted from Content\_type

### Data Augmentation

New Field Name\*:

Lat\_Long

View for Field\*:



Select which type of view this field will be used to create.


Based on\*:

1 items selected	Remove all		Add all
↕ Collection Location	-	Collection Start Date	+ ▲
		Description	+
		Timeline	+
		Project Name	+
		Institution Location	+
		URL	+
		Collection Availability	+
		Collection End Date	+
		Content Type	+
		Partner Organization	+
		Name of Specific Collection	+
		Subject	+ ▼

Name of Specific Collection

Base the new field on the existing ones above.

Create

 derived availability

text

Online

• Web sites

# Workflow

**import**

**augment**

**build**

[Show Preview](#)[Save](#)[Cancel](#)

Theme: Smoothness

+ Add a Widget

Search

Search

edit

Tag Cloud

themes

Famous Residences

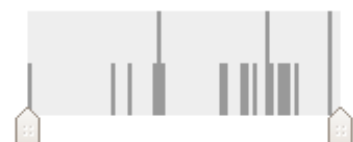
Military History Places of Worship

Recreation Townscapes

edit

Slider

Related\_Date:text



1674 - 1971

edit

Gallery

List


Map

Timeline

Pie Chart

Table

+ Add a View

Show	Title	Link	Lat,Lng	Color	Property	Value 1 of 22
		<input checked="" type="radio"/>		<input type="radio"/>	None	
<input type="checkbox"/>		<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	locations:text	38.708,-77.159
<input type="checkbox"/>		<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Name:text	Greetings from Accotink, C. T. American Art 1920's Postcard Collection
<input checked="" type="checkbox"/>		<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	themes	Recreation
<input checked="" type="checkbox"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Image_URL:text	
<input checked="" type="checkbox"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Category:text	Recreation
<input checked="" type="checkbox"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	location:text	Accotink, Virginia
<input checked="" type="checkbox"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Related_Date:text	1912
<input checked="" type="checkbox"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Description:text	The United States Federal Government purchased the Accotink Park Region in 1912. Much of what is now the park was part of the William of Fairfax's Belvoir Estate. The rest of the Estate became Camp Humphreys and eventually, Fort Belvoir. The Accotink Creek and marsh made the land less than ideal for military use. In 1960, the Fairfax County Park Authority began leasing the land from the federal government. Since then, the Accotink Park has provided a variety of public programs and services to area



# Fairfax Postcards

Created by [Trevor Owens](#) on Dec. 15, 2011 and based on the [pre-augmented postcards](#) data set.

Show Builder

| [Save](#)

| [Cancel](#)

## Search

22 Items

GALLERY • LIST • MAP • TIMELINE • PIE CHART • TABLE

sorted by: label; then by... •  grouped as sorted

## themes

Famous Residences

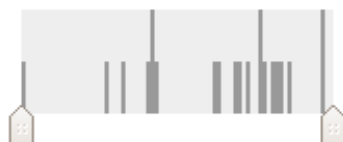
Military History

Places of Worship

Recreation

Townscapes

## Related\_Date:text



1674

- 1971

## Name:text

- 1 Arial View of Reston, Gulf Reston Photo, c1970
- 1 Camp A.A. Humphreys: Pitching Shelter Tents
- 1 Col. Marr. Confederate Monument
- 1 Dulles International



Greetings from Accotink, C. T. American Art 1920's Postcard Collection



Woodlawn Plantation



Gunston Hall, Home of George Mason.



Greetings From Herndon



Methodist Church, Herndon VA



Mount Vernon's Piazza

# Workflow

**import**

**augment**

**build**

**share**





## Fulton Street Trade Card Collection Views

Views of the Fulton Street Trade Card Collection

Created by [Jefferson Bailey](#) on Nov. 29, 2011 and based on the [Fulton Street Trade Cards Collection](#) data set.

Copy the following and paste it into your page where you'd like your data view to be placed.



```
<script id="freemix-embed" src="http://viewshare.org/views/jefferson/fulton-
```



MAP • PIE CHART • LIST

The Fulton Street Trade Card collection features 245 late 19th and early 20th century illustrated trade cards from merchant's along the Fulton Street retail thoroughfare in Brooklyn, NY.

340



Using a Viewshare pie chart view,

## Tradecards View

This is a view I created with Viewshare. I have embedded it here in my personal website.

## Fulton Street Trade Card Collection Views

The Fulton Street Trade Card collection features 245 late 19th and early 20th century illustrated trade cards from merchant's along the Fulton Street retail thoroughfare in Brooklyn, NY.

### Augmented Subjects

44  
2 [Acorns](#)  
2 [Advertisers](#)  
5  
[Advertising,](#)

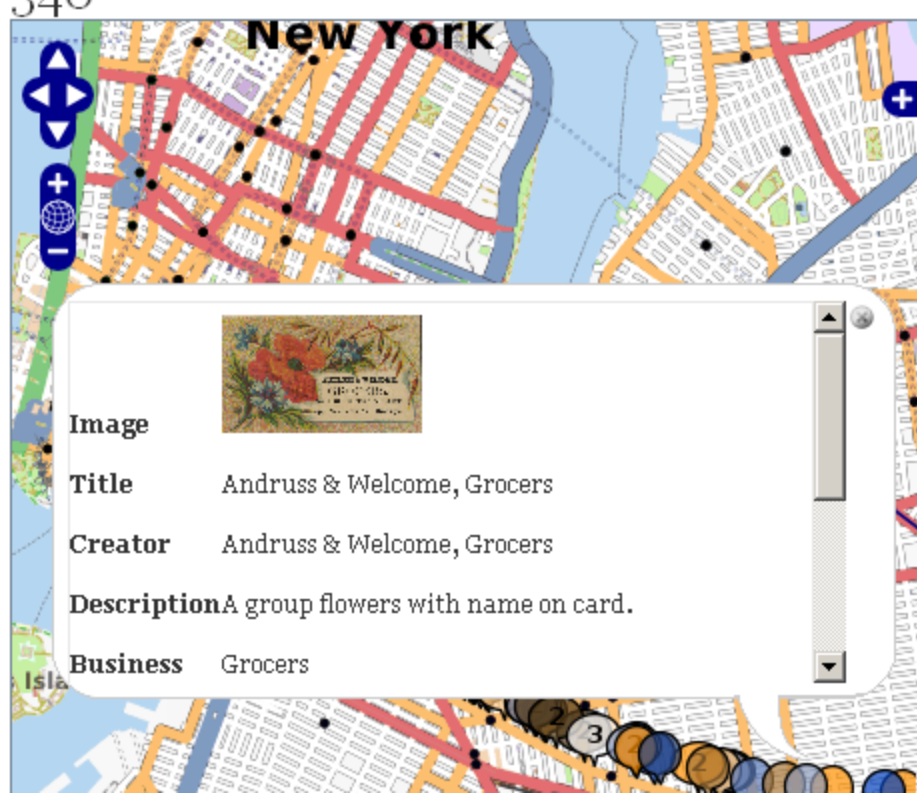
### Business type


2  
[Grocers](#)

340

MAP • PIE CHART • LIST

New York



**Image** 

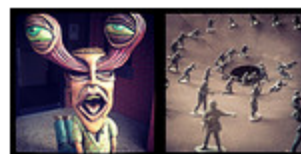
**Title** Andruss & Welcome, Grocers

**Creator** Andruss & Welcome, Grocers

**Description** A group flowers with name on card.

**Business** Grocers

I'm a digital archivist at the [National Digital Information Infrastructure and Preservation Program](#) (NDIIPP) in the Office of Strategic Initiatives at the [Library of Congress](#) and a doctoral student at [GMU](#). I'm interested in online communities, digital history, and video games. I blog [on this site](#), and at [playthepast.org](#). Views expressed are not those of any current or former employer.

A for

instance...

Rhizome's Art Base

**An example of  
working with a  
born digital  
collection**

400

sorted by: Title of Work; then by... •  grouped as sorted

**Artist**

- 1 ):m
- 1 .tsnuKitnA
- 1
- 0100101110101101.ORG
- 1 1006912
- 1 1010 1010
- 1 220hex

**Date Created**

1994 - 2013

**Materials and Technologies**

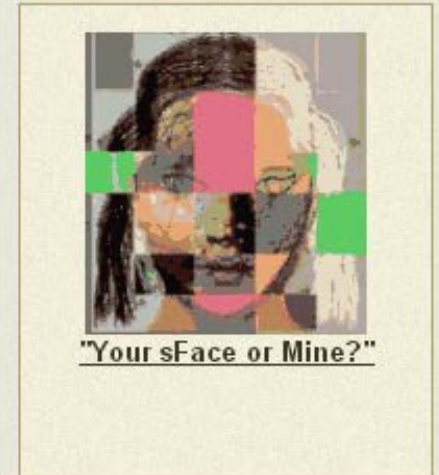
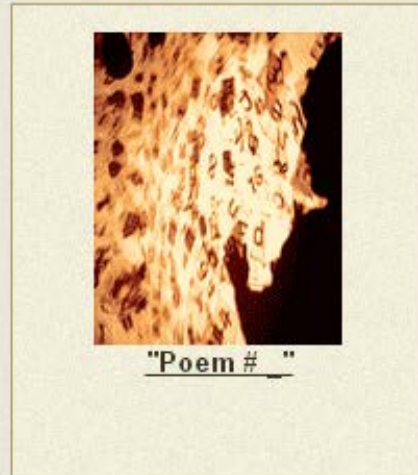
- 300 (missing this field)
- 1 .SWF
- 1 Adobe Photoshop CS2 (9.0)
- 1 Adobe Photoshop CS4 (11.0)
- 2 Adobe Photoshop CS4 Extended (11.0)

**Medium / Format**

- 190 (missing this field)
- 1 Animated gif
- 1 Applets
- 1 Director Animation
- 4 Flash Animation
- 2 Flash animation
- 8 Flash interface

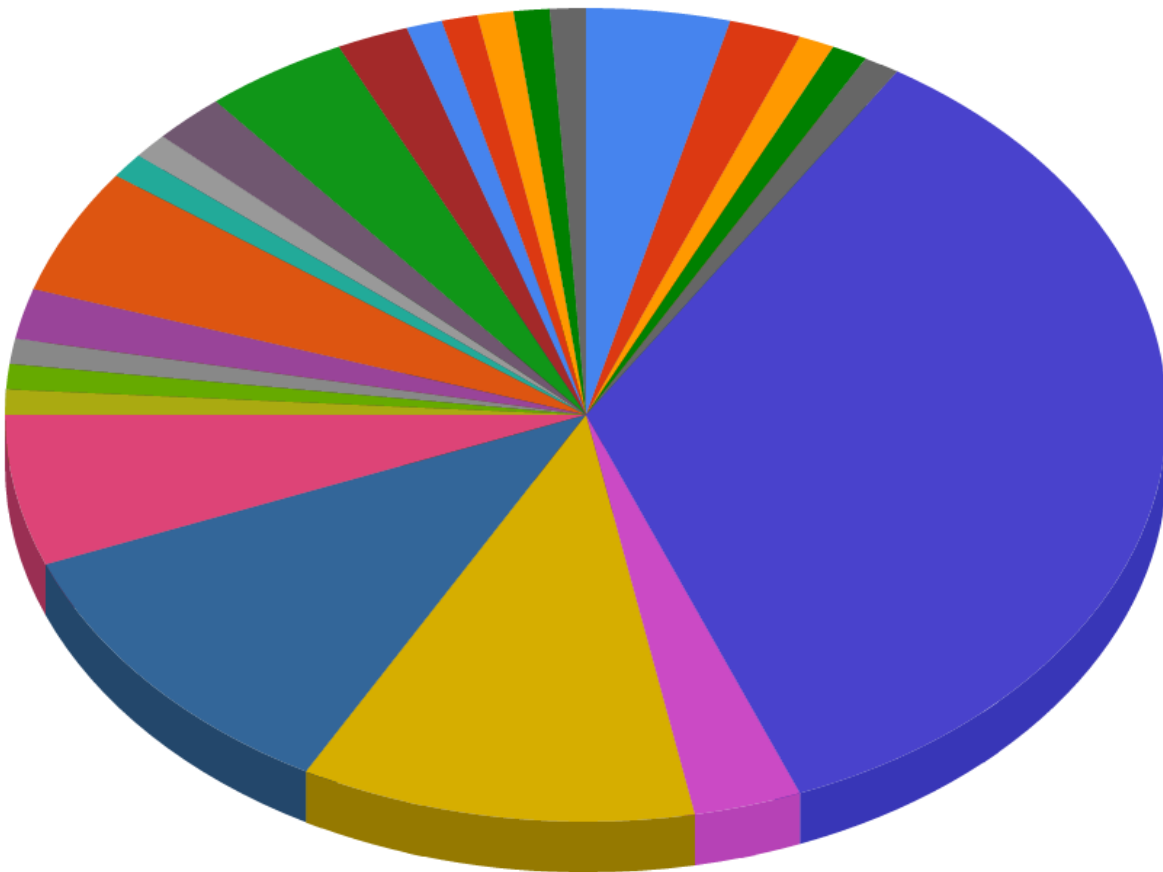
**License Type**

- 16 All Rights Reserved (arr)
- 2 Creative Commons: Attribution (by)





# Items grouped by Materials\_and\_Format

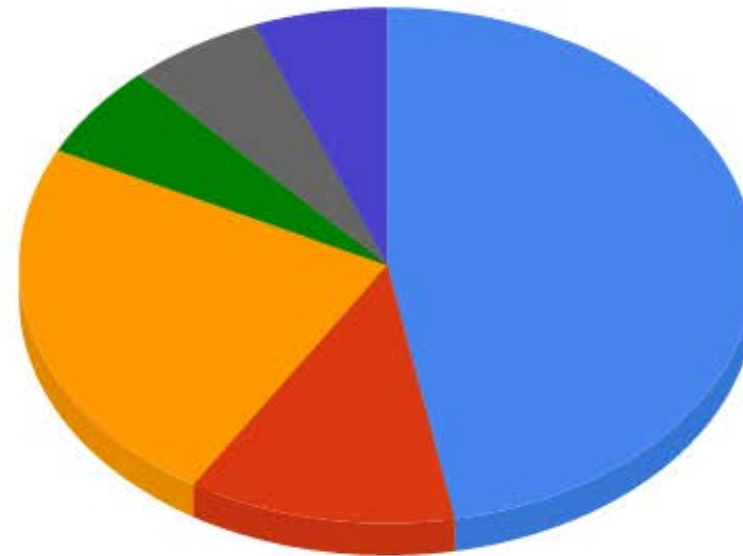


- TCP/IP
- Video MPEG
- .SWF
- Final Cut Pro 8
- QuickTime 6.x
- HTML 4
- Audio MP3
- HTML 3.2
- Flash 5
- DHMTL
- HTML 2
- Java JDK 1.1
- Java J2SE 5.0
- Image JPEG
- Image GIFF
- HTML 5
- HTML 4.01
- Audio WAV
- Flash 7
- Flash 4
- Adobe Photoshop CS4 Extended (11.0)
- Director 7
- Blogging Application tumblr
- Arduino Arduino Diecimila
- Adobe Photoshop CS4 (11.0)

View by :

Medium\_\_Format

### Items grouped by Medium\_\_Format



- Flash interface
- Flash animation
- Flash Animation
- Web 3D animation
- flash embedded in website
- Director Animation

#### Artist

- 1 C. J. Yeh
- 1 Digital Sisters Indeed
- 2 Lewis LaCook
- 1 Marcello Mazzella
- 1 Michele Turre
- 1 Myriam Thyes
- 1 Neil Sorenson

#### Date Created



#### Materials and Technologies

- 1 Adobe Photoshop CS4 Extended (11.0)
- 1 Director 7
- 11 Flash 5
- 2 Flash 7
- 2 Flash Unspecified Version
- 1 HTML 3.2

#### Medium / Format

6

- 1 **Director Animation**
- 4 **Flash Animation**
- 2 **Flash animation**
- 8 **Flash interface**
- 1 Game
- 1 HD video

# a local example

**Images from the Robert Vavra  
Collection in Digital UNC**

**<http://viewshare.org/share/efbd616c-1972-11e3-8543-4040e007d488/>**



**viewshare**

**+ adr**

# advantages

- **Expand functionality of Islandora interface and offer new ways of navigating/accessing collections**
- **Generate and customize views that allow users to dynamically and creatively experience ADR collections**
- **Combine content from various ADR repositories in new ways: “collections of collections”**

# references

- Owens, Trevor. *Explore and share cultural heritage collections with viewshare.org.*  
*<http://www.slideshare.net/tjowens/explore-and-share-cultural-heritage-collections-with-viewshareorg>*