

PLEASE CREATE A GITHUB ACCOUNT

[HTTPS://GITHUB.COM/JOIN](https://github.com/join)

AND MAKE SURE YOU CAN LOG IN

Slides are at:

<http://bit.ly/dscvrhdh2>

# # LET'S TALK DH!

## ## DH events and discussion spaces @ FSU

- Percolator: A Digital Scholarship Support Group
  - Meets Wednesdays from 3-5 in the TaDS Commons.
- <http://digischolfsu.slack.com>
  - A discussion space for those interested in digital scholarship
- Invisible Work in the Digital Humanities
  - November 17-18 - Bradley Reading Room (Strozier)
  - Get more info and register at <http://iwdh.cci.fsu.edu>

# DISCOVERING DH: MARKDOWN & GITHUB!

<http://bit.ly/dscvrldh2>

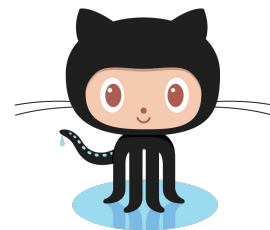
**09/20/2016**  
**11AM-12PM**  
**Strozier**

**09/23/2016**  
**10AM-11AM**  
**Dodd Hall**

# # WHO AM I?

- Bryan J. Brown
- Web Developer at Strozier Library
- @bryjbrown on the web
  - Twitter
  - GitHub
  - LinkedIn
- Open Source Software... enthusiast?
  - Main project is Islandora
  - Documentation is on GitHub, written in Markdown

# # WHAT IS GITHUB?



> GitHub is a **web-based** tool for managing text files.

## ## Web-based means:

- Nothing to install (doesn't require git)
- Works in your browser
- Requires internet connection

# # WHAT IS GITHUB?

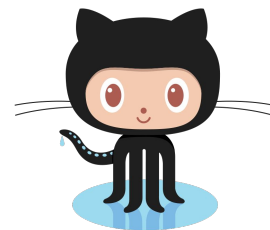


> *GitHub is a web-based tool for managing text files.*

## ## Management is:

- Organization
- Access
  - Who can read/write to what
  - forkable!
- Revision history
  - Incredibly granular thanks to Git
- Meta Stuff
  - Built in wiki
  - Issue tracker

# # WHAT IS GITHUB?



> *GitHub is a web-based tool for managing text files.*

## ## Text is:

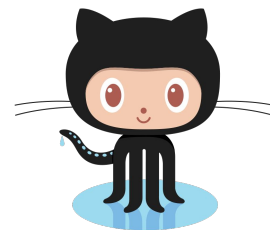
- Code
- Documentation
- Reports
- Notes
- Poetry
- Recipes
- **\*\*NOT\*\*** “binary” files (media)

# # GITHUB KEYWORDS & VOCAB



- **Git:** The Open Source version control tool that GitHub is built on top of / works with
- **Repository:** A curated collection of files, aka “repo”
- **Commit:** A snapshot of the state of your repo at a specific point in time. Fancy save point!
- **Revision history:** Every little change you have made to the files in a repository since the repo’s birth
- **Fork:** To make your own personal copy of someone else’s repo. This allows you to do whatever you want with it.

# # WHAT IS GITHUB?



## ## GitHub is popular because:

- Free
- Supports public collaboration
- Supports Open Source licensing
- Makes writing documentation easy
  - Support several *\*formatting languages\**
  - Markdown is the **\*\*most popular by far\*\***
  - **\*\*So popular\*\*** that some people are using GitHub just to version Markdown files **\*\*only\*\***

# # WHAT IS MARKDOWN?



> Markdown is a lightweight markup language with plain text formatting syntax designed so that it can be converted to HTML and many other formats.

Very readable in both raw and rendered forms!

*\*Markdown is a human-friendly way of formatting text for display on the web.\**

**\*\*So far all these slides have been valid Markdown!\*\***

# # WHAT IS MARKDOWN?



## ## There are a few “dialects”:

- Markdown (original)
- Markdown 2
- Markdown Extra
- CommonMark (attempt at a standard)
- **\*\*GitHub Flavored Markdown (GFM)\*\***
  - By far the most widely used, because GitHub
  - Almost entirely overlaps with CommonMark
  - <https://guides.github.com/pdfs/markdown-cheatsheet-online.pdf>
- Not as big a deal as it seems, they're all the same



**\*\*LET'S GET COOKIN'\*\***

[Personal](#)[Open source](#)[Business](#)[Explore](#)[Pricing](#)[Blog](#)[Support](#)[Sign in](#)[Sign up](#)

# How people build software

Millions of developers use GitHub to build personal projects, support their businesses, and work together on open source technologies.

Use at least one letter, one numeral, and seven characters.

**Sign up for GitHub**

By clicking "Sign up for GitHub", you agree to our [terms of service](#) and [privacy policy](#). We'll occasionally send you account related emails.

**\*\*Go to github.com\*\***

[Pull requests](#) [Issues](#) [Gist](#) [To Do](#)**bryjbrown** ▾

an hour ago

**whikloj** pushed to **7.x** at **Islandora/islandora\_openseadragon****1968654** Merge pull request #68 from BrandonMorr/ISLANDORA-1799**645bbbe** Removed pesky :8080[4 more commits »](#)

an hour ago

**whikloj** merged pull request **Islandora/islandora\_openseadragon#68**

Added new field which allows use to specify a JP2 to test djabatoka with, either a PID of and object with a JP2 ds or the new test.jp2 in the newly created /tests directory. the field defaults to LOCs stable JP2.

[5 commits with 35 additions and 7 deletions](#)

an hour ago

**whikloj** commented on pull request **Islandora/islandora\_openseadragon#68**

Ok, so for posterity this no longer has any impact on the user's UI. This check is done internally when saving the OpenSeadragon settings, and call...

**ginatrapani** starred **Automattic/vip-quickstart** 2 hours ago**Updates to Statement**

We have update  
Check it out, it's

Signed in as  
**bryjbrown****Your profile**

Your stars

Explore

Integrations

Help

Settings

Sign out

**Repositories you co** **islandora-inter...** **fsulib/fsulib\_scri** **FLVC/islandorati** **fsulib/Office-of-Digital-Resear...** 1 ★ **FLVC/islandora\_usage\_stats\_c...** 1 ★[Show 17 more repositories...](#)**Your repositories** 8[New repository](#)

**\*\*Go to your profile\*\***

[Pull requests](#)[Issues](#)[Gist](#)[ToDo](#)

**Bryan J. Brown**  
bryjbrown

Developer at [@fsulib](#) working on web infrastructure and digital repository projects with [@drupal](#) and [@islandora](#) / [@islandora-claw](#).

[Edit profile](#)[Overview](#)[Repositories 5](#)[Stars 96](#)[Followers 23](#)[Following 53](#)

## Popular repositories

[Customize your pinned repositories](#)[todash](#)

hear those todash chimes and shudder

★ 0

[notes](#)

★ 0

[islandora\\_ontology](#)

Forked from [Islandora/islandora\\_ontology](#)

Ontology for Islandora

★ 0    XSLT

[pdx](#)

Forked from [br2490/pdx](#)

Top level container for the various PCDM specific Islandora CLAW microservices.

★ 0    PHP

[islandora\\_scholar](#)

Forked from [Islandora/islandora\\_scholar](#)

Scholarly PDF Solution Pack for handling scholarly data

**\*\*Go to “Repositories”\*\***

[Pull requests](#) [Issues](#) [Gist](#) [ToDo](#)

UNIX  
システム管理

**Bryan J. Brown**

bryjbrown

Developer at [@fsulib](#) working on web infrastructure and digital repository projects with [@drupal](#) and [@islandora](#) / [@islandora-claw](#).

Edit profile

Overview

Repositories 5

Stars 96

Followers 23

Following 53

Type: All ▾

Language: All ▾

New

**todash**

hear those todash chimes and shudder

★ 0

**islandora\_scholar**

🍴 forked from [Islandora/islandora\\_scholar](#)

Scholarly PDF Solution Pack for handling scholarly data and theses. A foundational module for implementing Islandora as an institutional repository.

● PHP

★ 0

**pdx**

🍴 forked from [br2490/pdx](#)

● PHP

★ 0

**\*\*Create a new Repo\*\***

[Pull requests](#) [Issues](#) [Gist](#) [↑ To Do](#)

## Create a new repository

A repository contains all the files for your project, including the revision history.

Owner



Repository name

omelettes

Great repository names are short and memorable. Need inspiration? How about **animated-guide**.

Description (optional)

Recipes for omelettes!



Public

Anyone can see this repository. You choose who can commit.



Private

You choose who can see and commit to this repository.



☒ **Initialize this repository with a README**

This will let you immediately clone the repository to your computer. Skip this step if you're importing an existing repository.

Add .gitignore: **None**

Add a license: **None**



Create repository

**\*\*Give it a name, description & README\*\***

GitHub repository interface for **bryjbrown / omelettes**. The top navigation bar includes links for Pull requests, Issues, Gist, and ToDo. The repository name is **bryjbrown / omelettes**. Below the name are buttons for Unwatch (1), Star (0), and Fork (0). The main navigation bar shows tabs for Code, Issues (0), Pull requests (0), Boards, Burndown, Projects (0), and Wiki.

Recipes for omelettes! — Edit

Repository statistics: 1 commit, 1 branch, 0 releases, 1 contributor.

Branch: master | New pull request | **Create new file** | Upload files | Find file | Clone or download

**bryjbrown** Initial commit | Latest commit 58370ff 3 hours ago

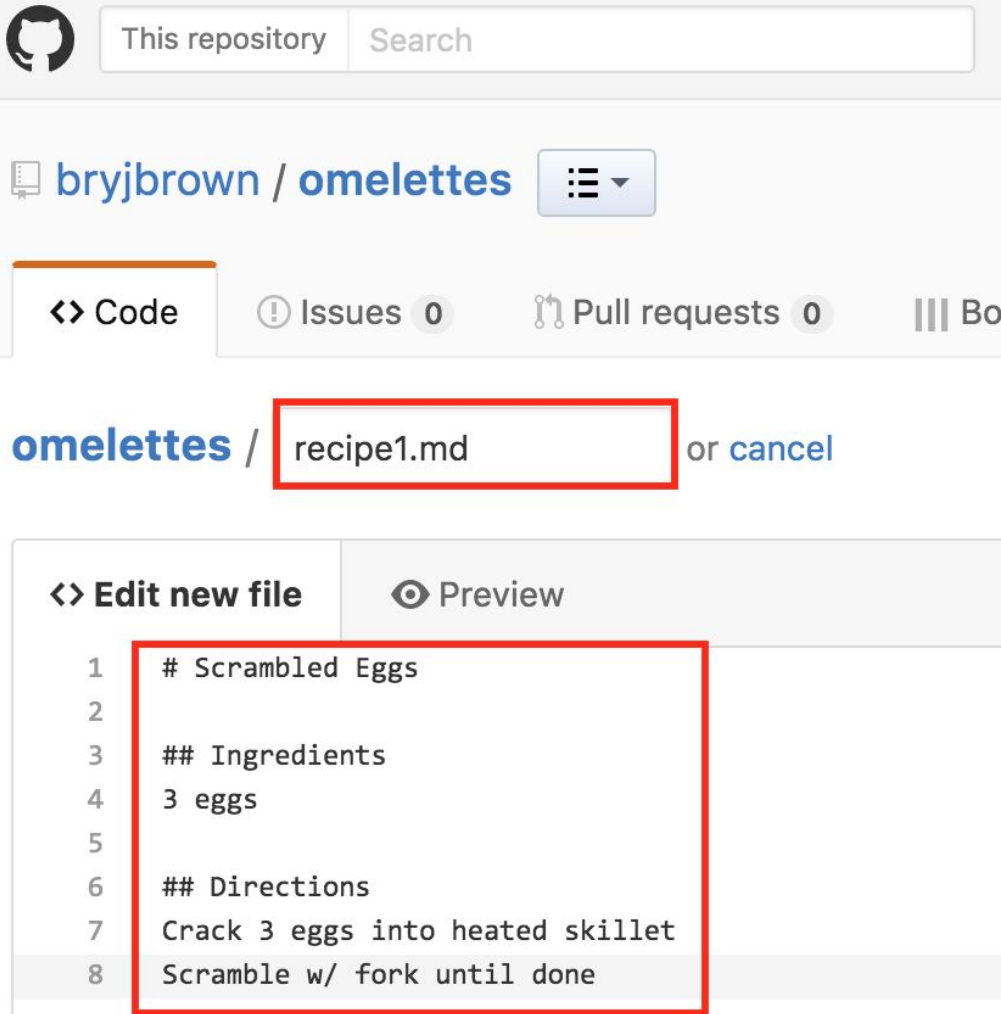
[README.md](#) | Initial commit | 3 hours ago

**README.md**

# omelettes

Recipes for omelettes!

**\*\*Create a new file\*\***



This repository Search

bryjbrown / omelettes

<> Code ! Issues 0 Pull requests 0 Bo

omelettes / recipe1.md or cancel

<> Edit new file Preview

```
1 # Scrambled Eggs
2
3 ## Ingredients
4 3 eggs
5
6 ## Directions
7 Crack 3 eggs into heated skillet
8 Scramble w/ fork until done
```

Enter this recipe

**\*\*OR\*\***

Invent your own!



This repository

Search

Pull requests

Issues

Gist

ToDo



bryjbrown / omelettes



Unwatch

1

Star

0

Fork

0

Code

Issues 0

Pull requests 0

Boards

Burndown

Projects 0

Wiki



omelettes /

recipe1.md

or [cancel](#)

Edit new file

Preview

Spaces



2



No wrap



# Scrambled Eggs

## Ingredients

3 eggs

## Directions

Crack 3 eggs into heated skillet Scramble w/ fork until done

**\*\*Preview it!\*\***

The screenshot shows a web editor interface with a 'Preview' tab selected. The preview displays a recipe page for 'Scrambled Eggs'. The page has a blue header with the title 'Scrambled Eggs', an orange footer, and sections for 'Ingredients' and 'Directions'. The 'Ingredients' section lists '3 eggs'. The 'Directions' section contains the text 'Crack 3 eggs into heated skillet Scramble w/ fork until done'. Below the preview, the HTML code is visible. A red box highlights the anchor tag for the 'Scrambled Eggs' link, which is an example of Markdown shorthand for HTML.

```
<div id="readme" class="readme prose-diff html-blob blob instapaper_body">
  <div class="markdown-body">
    ::before
    <h1>
      <a id="user-content-scrambled-eggs" class="anchor" href="#scrambled-eggs" aria-hidden="true">Scrambled Eggs</a>
    </h1>
    <h2>
      <a id="user-content-ingredients" class="anchor" href="#ingredients" aria-hidden="true">Ingredients</a>
    </h2>
    <p>3 eggs</p>
```

**\*\*Markdown = shorthand HTML syntax!\*\***

<> Edit new file

Preview

Spaces

2

No wrap

## Scrambled Eggs

### Ingredients

3 eggs

### Directions

Crack 3 eggs into heated skillet Scramble w/ fork until done

**\*\*Commit it!\*\***

### Commit new file

Sharing these eggs

I made these this morning, and they were good.

☒ Commit directly to the `master` branch.

☐ Create a new branch for this commit and start a pull request. [Learn more about pull requests.](#)

Commit new file

Cancel



2 commits



1 branch

Branch: master ▾

New pull request



bryjbrown committed on GitHub Sharing these eggs ...



README.md

Initial commit



recipe1.md



Sharing these eggs



README.md

# omelettes

Recipes for omelettes!

- 2 Commits
- 1 new file
- Last commit message

# Scrambled Eggs

---

## Ingredients

---

3 eggs

## Directions

---

Crack 3 eggs into heated skillet Scramble w/ fork until done



**\*\*Let's add some heat!\*\***



<> Edit file

Preview changes

```
1  # Scrambled Eggs
2
3  ## Ingredients
4  - 3 eggs
5  - 1 tsp hot sauce
6
7
8  ## Directions
9  - Crack 3 eggs into heated skillet
10 - Mix 1 tsp hot sauce into eggs
11 - Scramble w/ fork until done
12
```

- Dashes

- 2 new  
lines

## Scrambled Eggs

---

### Ingredients

---

3 eggs

- 3 eggs
- 1 tsp hot sauce

### Directions

---

Crack 3 eggs into heated skillet Scramble w/ fork until done

- Crack 3 eggs into heated skillet
- Mix 1 tsp hot sauce into eggs
- Scramble w/ fork until done

**\*\*Compare  
changes to  
last commit\*\***

- Red = Deleted
- Green = New



## Commit changes

Adds hot sauce

Definitely better with hot sauce.

- ☒ Commit directly to the `master` branch.
- ☐ Create a **new branch** for this commit and start a pull request. [Learn more about pull requests.](#)

Commit changes

Cancel

**\*\*Make another commit!\*\***

&lt;&gt; Code

! Issues 0

🔗 Pull requests 0

||| Boards

📊 Burndown

📅 Projects 0

📖 Wiki

▾

Recipes for omelettes! — Edit

🔄 3 commits

🔗 1 branch

📦 0 releases

👤 1 contributor

Branch: master ▾

New pull request

Create new file

Upload files

Find file

Clone or download ▾



bryjbrown committed on GitHub Adds hot sauce ...

Latest commit 8607c1c 9 minutes ago

📄 README.md

Initial commit

4 hours ago

📄 recipe1.md

Adds hot sauce

9 minutes ago

📖 README.md

# omelettes

Recipes for omelettes!

# **\*\*Commits are savepoints!\*\***










bryjbrown / omelettes

Unwatch 1 Star 0 Fork 0

Code Issues 0 Pull requests 0 Boards Burndown Projects 0 Wiki

Branch: master

Commits on Sep 14, 2016

 UNIX システム管理	<b>Adds hot sauce</b> ... bryjbrown committed on GitHub 11 minutes ago	 8607c1c 
 UNIX システム管理	<b>Sharing these eggs</b> ... bryjbrown committed on GitHub 28 minutes ago	 98f3f8e 
 UNIX システム管理	<b>Initial commit</b> bryjbrown committed 4 hours ago	 58370ff 

# **\*\*You can revert back to any commit\*\***



[HTTPS://GITHUB.COM/SINKER/TACOFANCY](https://github.com/sinker/tacofancy)

&lt;&gt; Code

! Issues 0

🔗 Pull requests 0

||| Boards

📊 Burndown

📅 Projects 0

📖 Wiki

▾

▾

▾

docs and materials for article co-authored with Sarah Stanley

📄 2 commits

🔗 1 branch

📦 0 releases

👤 1 contributor

🔗 CC0-1.0

Branch: master ▾

New pull request

Create new file

Upload files

Find file

Clone or download ▾



micahvandegrift Create abstract.md

Latest commit 3190650 on May 18

📄 LICENSE	Initial commit	4 months ago
📄 README.md	Initial commit	4 months ago
📄 abstract.md	Create abstract.md	4 months ago

📖 README.md

# dh-lib-article

docs and materials for article co-authored with Sarah Stanley

datasets / population-city

Watch 1 Star 6 Fork 3

<> Code Issues 1 Pull requests 1 Boards Burndown Projects 0

City population yearly timeseries for female and male, and for both sexes, collected by the United Nations Statistics Division and published by UNData.

21 commits 1 branch 0 releases 3 contributors

Branch: master New pull request Create new file Upload files Find file Clone or download

**rgpr** Change name to simpler, more consistent name and tweak title. Latest commit f37582d on Nov 19, 2015

data	Create unsd-citypopulation-year-fm.csv	a year ago
README.md	Update README.md	a year ago
datapackage.json	Change name to simpler, more consistent name and tweak title.	10 months ago

README.md

UNSD Demographic Statistics: City population by sex, city and city type.

## Data

Source: [UNData](#). [UNSD Demographic Statistics](#).

Contains two CSV datasets:

1. unsd-citypopulation-year-both.csv. Size: 2.4 MB
2. unsd-citypopulation-year-fm.csv. Size: 3.7 MB

Final 222 lines in both datasets contain original notes.

## Updates

Last update in UNdata: 22 Dec 2014

Next update in UNdata: Jun 2015 (est.)

Share your  
data, and  
describe it  
in Markdown!



# Florida State University Libraries

Tallahassee, FL

<http://lib.fsu.edu/>

[bjbrown@fsu.edu](mailto:bjbrown@fsu.edu)

 **Repositories**

 **People** 11

 **Teams** 0

 **Settings**

Filters ▾

Find a repository...

New repository

## fsutheme

A Florida State University theme based on the Omega 3 framework.

Updated 6 days ago

CSS ★ 0 🔗 0

## islandora\_managed\_access

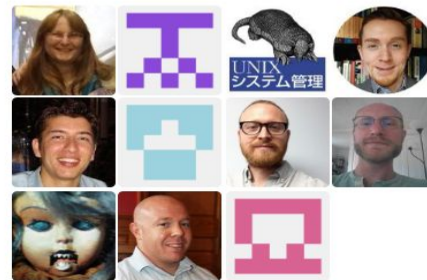
Islandora module for managing temporary access to restricted objects

Updated 26 days ago

PHP ★ 0 🔗 0

## People

11 >



Invite someone

# \*\*Create organizations!\*\*

&lt;&gt; Code

! Issues 0

🔗 Pull requests 0

||| Boards

📊 Burndown

📅 Projects 0

📖 Wiki

▼

▼

Branch: master ▼

Office-of-Digital-Research-and-Scholarship-Docs / oapolicy.md

Find file

Copy path

👤 devsooper Update oapolicy.md

0d48736 on Mar 18

3 contributors 🌐 👤 👤

35 lines (24 sloc) | 3.62 KB

Raw

Blame

History



# FLORIDA STATE UNIVERSITY

## FLORIDA STATE UNIVERSITY FACULTY SENATE OPEN ACCESS POLICY

- Compiled, reviewed, and approved by the Faculty Senate Library Committee - Task Force on Scholarly Communication, 6 January 2016.
- Presented to Faculty Senate Steering Committee, 12 Jan 2016.
- Presented to and unanimously adopted by Faculty Senate, 17 Feb 2016.



yo-bj Added "ze" to pronouns, minor narrative changes

4270594 on Jan 21, 2015

13 contributors



135 lines (106 sloc) 6.64 KB

Raw

Blame

History



# CodeOfConduct4Lib



Licensed under CC0

Short link: <http://bit.ly/coc4lib>









Code4Lib seeks to provide a welcoming, fun, and safe community and conference experience and ongoing community for everyone. We do not tolerate harassment in any form. Discriminatory language and imagery (including sexual) is not appropriate for any event venue, including talks, or any community channel such as the chatroom or mailing list.

Harassment is understood as any behavior that threatens another person or group, or produces an unsafe environment. It includes offensive verbal comments or non-verbal expressions related to gender, gender identity, gender expression, sexual orientation, disability, physical appearance, body size, race, age, religious beliefs, sexual or discriminatory images in public spaces (including online), deliberate intimidation, stalking, following, harassing photography or recording, sustained disruption of talks or other events, inappropriate physical contact, and unwelcome sexual attention.

## Taxonomy of Digital Research Activities in the Humanities

[38 commits](#) [1 branch](#) [4 releases](#) [4 contributors](#)


Branch: [master](#) [New pull request](#) [Create new file](#) [Upload files](#) [Find file](#) [Clone or download](#)

 <b>christofs</b> More links. <span>Latest commit d34375e on Mar 23</span>		
 <a href="#">deu</a>	nur stilistische Änderung	7 months ago
 <a href="#">reading</a>	Reading and reference sections; naming scheme	2 years ago
 <a href="#">reference</a>	Update activities.md	2 years ago
 <a href="#">spa</a>	More links.	6 months ago
 <a href="#">introduction.md</a>	Reading and reference sections; naming scheme	2 years ago
 <a href="#">readme.md</a>	Updated presentations (DHd2016)	6 months ago
 <a href="#">references.md</a>	Reading and reference sections; naming scheme	2 years ago

### [readme.md](#)

## TaDiRAH - Taxonomy of Digital Research Activities in the Humanities (v. 0.5.1, 05/2014)

This taxonomy of digital research activities in the humanities has been developed for use by community-driven sites and projects that aim to structure information relevant to digital humanities and make it more easily discoverable. The taxonomy is expected to be particularly useful to endeavors aiming to collect information on digital humanities tools, methods, projects, or readings.

 [10.5281/zenodo.32492](https://doi.org/10.5281/zenodo.32492)

## # IN CLOSING...

- There's A LOT MORE that you can do with GitHub
  - Branching & merging
  - Forking
  - Pull Requests
  - Issues & Wikis
    - Both written in GFM

## # IN CLOSING...

- Too much for 1 hour
  - Not **\*\*ALWAYS\*\*** needed
  - Overkill for small, quick docs
  - **\*\*PERFECT\*\*** for large, important docs where every change matters
  - Lots of untapped academic potential!

## # IN CLOSING...

- If you have questions/ideas about using GitHub in your research,  
**\*\*come talk to us!\*\***
- Office of Digital Research & Scholarship (DRS)
- Located in Strozier Library
- [www.lib.fsu.edu/drs](http://www.lib.fsu.edu/drs)

QUESTIONS?



<http://bit.ly/dscvrhdh2>

THANKS FOR COMING!