

# Week 4: Metadata 1

Documentation & Metadata basics

2024-09-20

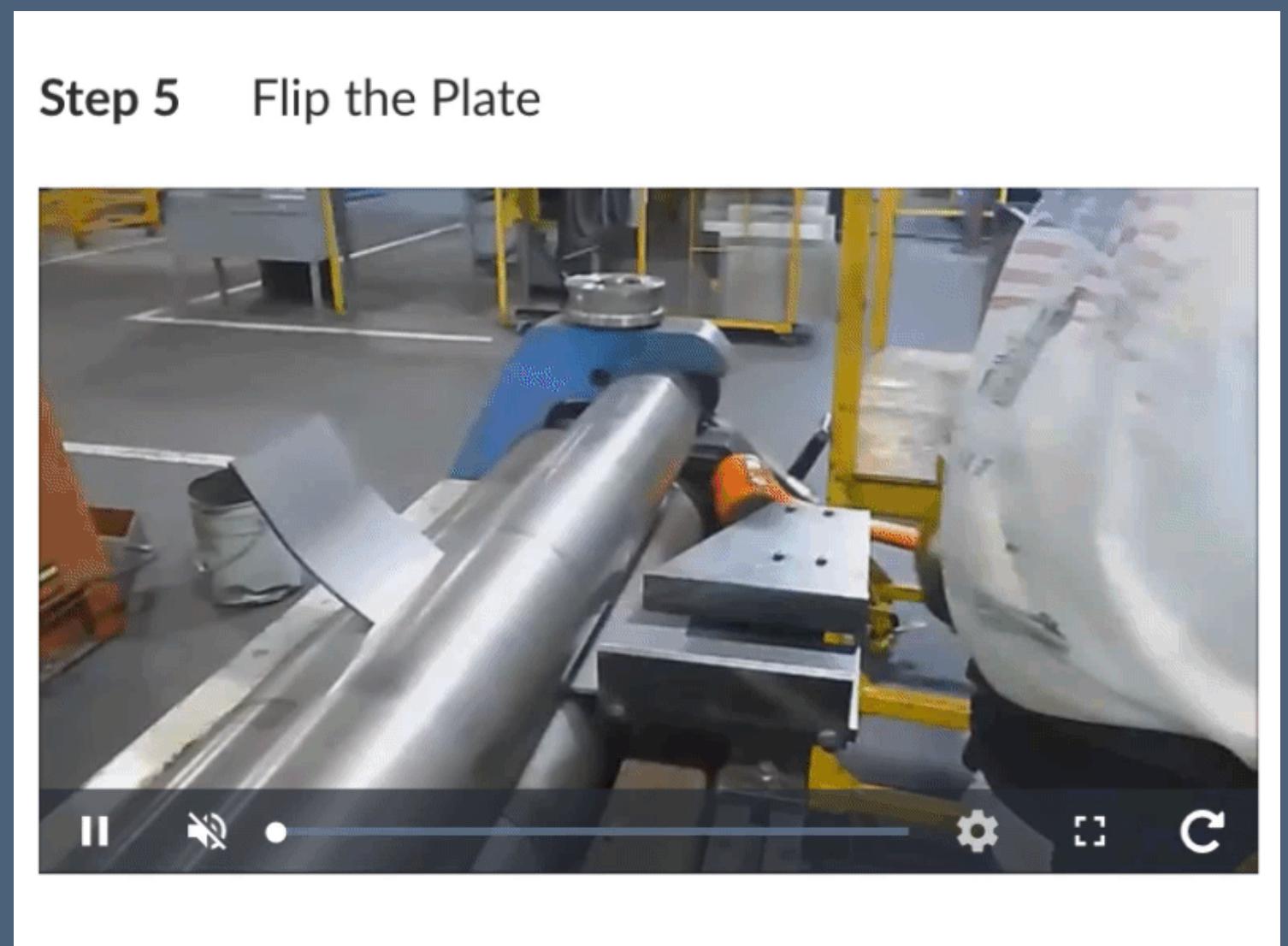
# Documentation

# What is Documentation?

- *Documentation* is "any communicable material that is used to describe, explain or instruct regarding some attributes of an object, system or procedure, such as its parts, assembly, installation, maintenance and use" (["Documentation definition by The Linux Information Project"](#). [www.linfo.org](http://www.linfo.org). Accessed September 17, 2024.).
- Easy to read, reference, and absorb information

# Documentation Examples

- User manuals
- Online help guides
- Video tutorials
- Recipes
- Installation/setup guides
- GitHub Docs
- README files for software
- CollectionBuilder documentation
- FAQs



[← Home](#)

## Get started

- Start your journey ▾
- Onboarding ▾
- Using GitHub ▾
- Learning about GitHub ▾
- Accessibility ▾
- Writing on GitHub ▾
  - Start writing on GitHub ▾
  - Quickstart
  - About writing & formatting
- Basic formatting syntax**
- Work with advanced formatting ▾
- Work with saved replies ▾
- Share content with gists ▾
- Explore projects ▾
- Getting started with Git ▾
- Using Git ▾
- Exploring integrations ▾
- Archive account and public repos ▾
- Using GitHub Docs ▾
- Github Certifications ▾

[Get started](#) / [Writing on GitHub](#) / [Start writing on GitHub](#) /

# Basic writing and formatting syntax

Create sophisticated formatting for your prose and code on GitHub with simple syntax.

## Headings

To create a heading, add one to six `#` symbols before your heading text. The number of `#` you use will determine the hierarchy level and typeface size of the heading.

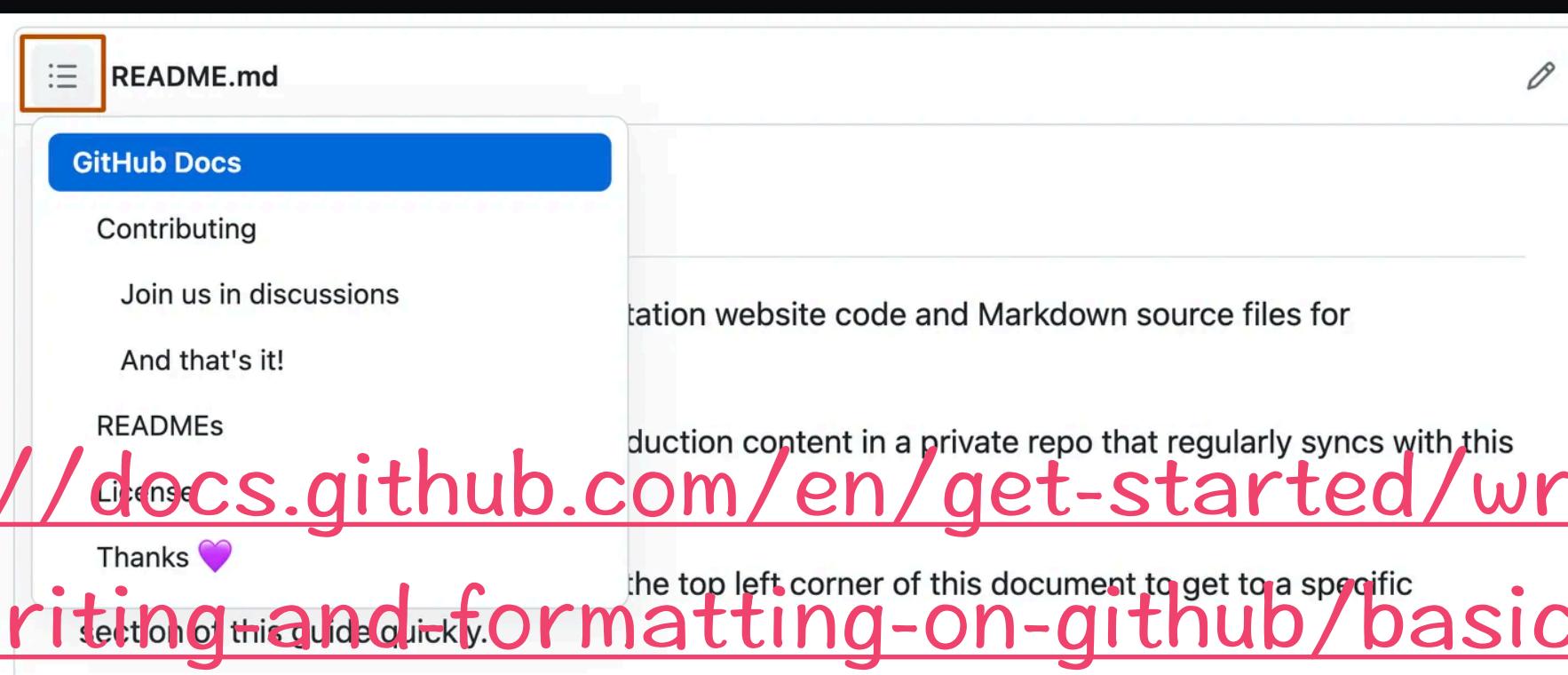
```
# A first-level heading  
## A second-level heading  
### A third-level heading
```

## A first-level heading

## A second-level heading

## A third-level heading

When you use two or more headings, GitHub automatically generates a table of contents that you can access by clicking `:Ξ` within the file header. Each heading title is listed in the table of contents and you can click a title to navigate to the selected section.



### In this article

- Headings
- Styling text
- Quoting text
- Quoting code
- Supported color models
- Links
- Section links
- Relative links
- Images
- Lists
- Task lists
- Mentioning people and teams
- Referencing issues and pull requests
- Referencing external resources
- Uploading assets
- Using emojis
- Paragraphs
- Footnotes
- Alerts
- Hiding content with comments
- Ignoring Markdown formatting
- Disabling Markdown rendering
- Further reading

<https://docs.github.com/en/get-started/writing-on-github/getting-started-with-writing-and-formatting-on-github/basic-writing-and-formatting-syntax>

[CollectionBuilder Docs](#)[Templates](#)[Walkthroughs](#)[Sheets Walkthrough](#)[GH Walkthrough](#)[CSV Walkthrough](#)[Creating Object Derivatives](#)[Updating Metadata](#)[Transfer GH to CSV](#)[Software](#)[Repository](#)[Objects](#)[Metadata](#)[Site Config](#)[Theme Options](#)[Page Config](#)[Edit Pages](#)[Deploy](#)[Advanced](#)[Accessibility](#)[Glossary](#)[Change Log](#)[Extras](#)[Too Quick Start](#)

# CollectionBuilder-GH Walkthrough

This walkthrough provides steps for creating an example digital collection using demo metadata from the University of Idaho's [Psychiana Digital Collection](#), the **CollectionBuilder-GH Template**, and [GitHub Pages](#).

**Video Option:** If you would prefer to move through a video version of this walkthrough, check out our [YouTube Playlist](#) or click on the video version of each step linked below.

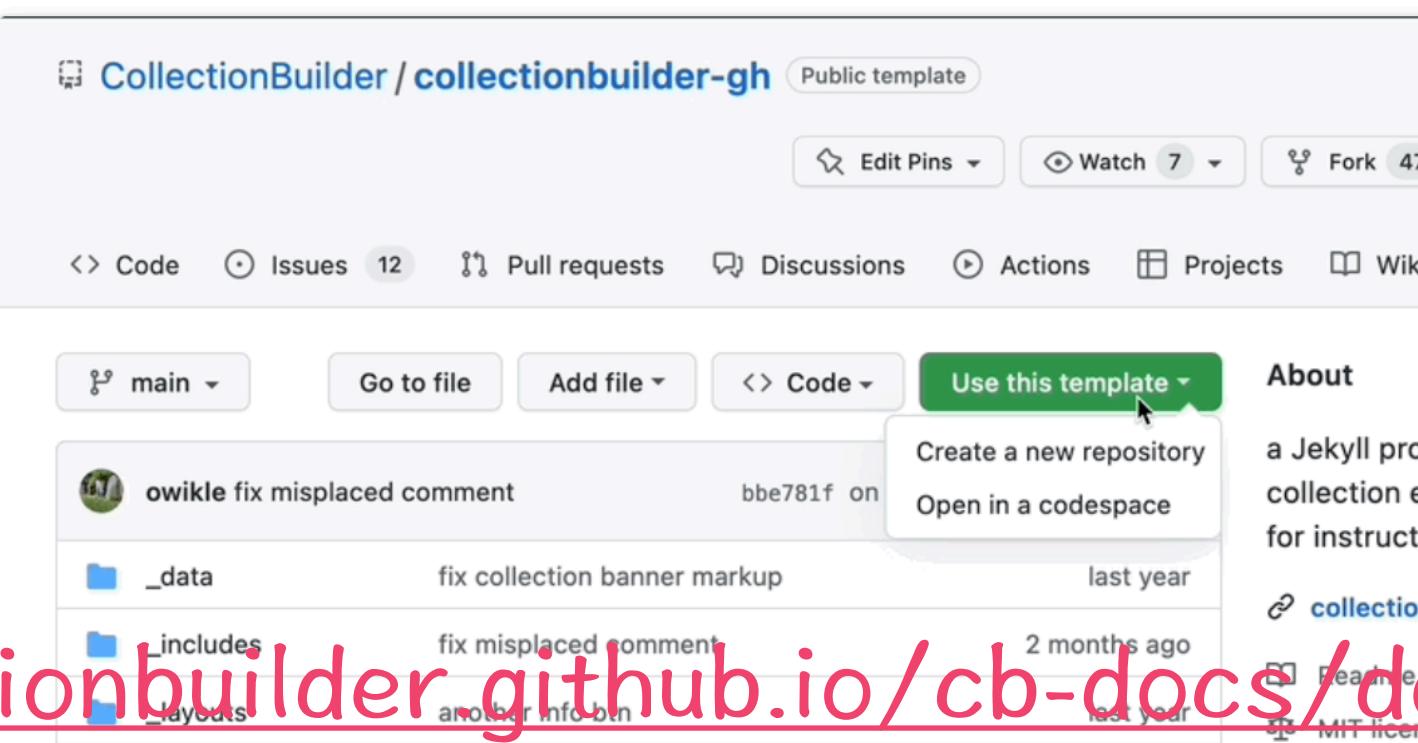
**Note:** You will not need to install any software on your computer for this walkthrough, but you will need to create a free GitHub account.

## 1. Create a GitHub account. [\(Video Version\)](#)

- If you don't have an account, visit [GitHub](#) and click the **Sign up** button. You do not need a paid account for using CollectionBuilder. After signing up, check your email to verify your account.

## 2. Create a new repository. [\(Video Version\)](#)

- Log in to your GitHub account and visit the [collectionbuilder-gh repository page](#).
- Click the green **Use this template** button and then the **Create a new repository** dropdown option.



# Key Skills

- Reading documentation
  - How to find the information you need
  - When to go beyond it for help
- Writing documentation
  - What to include
  - How to format

# Reading Documentation

How to find the information you need

- Define your problem
- Break it down into keywords
- Use search engines (e.g. Google, Bing, DuckDuckGo, etc.)
- Ctrl + f (Windows) or Cmd⌘ + f (Mac)

# Reading Documentation

## When to go beyond it for help

- When the document doesn't cover the answer you're looking for
  - Search with different (or more specific) keywords
  - Post in a community forum (e.g. Stack Overflow)
  - Contact the developers
- When the documentation isn't written for your level
  - Look for alternate documentation
  - Ask questions

# Writing Documentation

## What to include

- Determine your audience
- Describe the problem
- Break it down
- Troubleshooting
- Contact
- References

# Writing Documentation

## How to format

- Start with an outline
- Use descriptive titles and explanations
- Provide examples
- Include links

# Good Documentation

- Usability
- Maintenance
- Concurrence with development

# Bad Documentation

- Incompleteness
- Lack of clarity
- Inaccuracy
- Obsolescence
- Difficulty of access
- Lack of availability in local languages

## 2 Some Basics

Introduction

2.1 Printing Something to the Scr...

2.2 Setting Variables

2.3 Listing Variables

2.4 Deleting Variables

2.5 Creating a Vector

2.6 Computing Basic Statistics

2.7 Creating Sequences

2.8 Comparing Vectors

2.9 Selecting Vector Elements

2.10 Performing Vector Arithmetic

2.11 Getting Operator Precedenc...

2.12 Typing Less and Accomplishi...

2.13 Creating a Pipeline of Functi...

2.14 Avoiding Some Common Mis...

## 3 Navigating the Software

Introduction

3.1 Getting and Setting the Worki...

3.2 Creating a New RStudio Project

3.3 Saving Your Workspace

## Table of contents

# R Cookbook, 2nd Edition

*James (JD) Long*

*Paul Teator*

2019-09-26

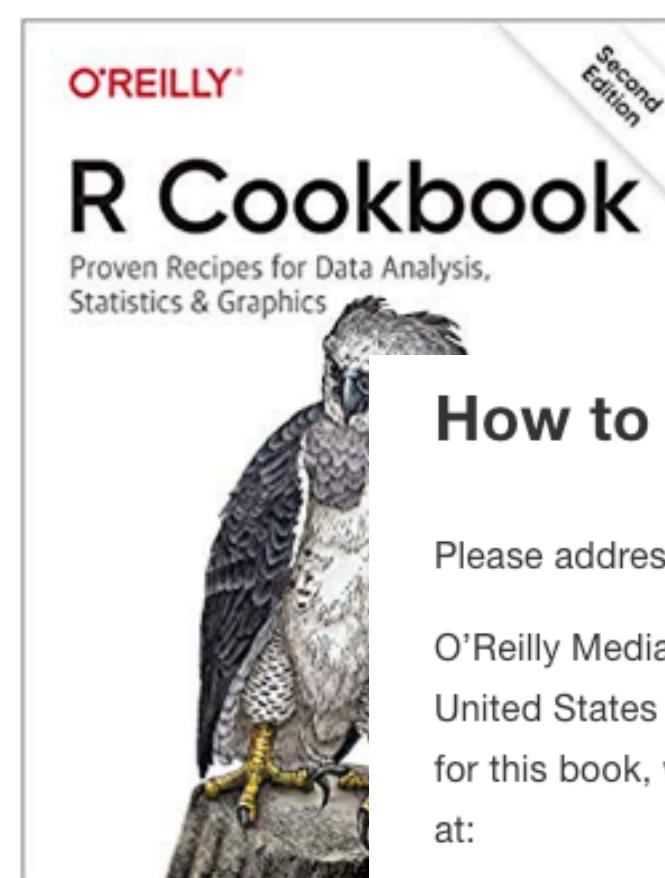
## Welcome to the R Cookbook 2nd Edition

R is a powerful tool for statistics, graphics, and statistical programming. It is used by tens of thousands of people daily to perform serious statistical analyses. It is a free, open source system whose implementation is the collective accomplishment of many intelligent, hard-working people. There are more than 10,000 available add-on packages, and R is a serious rival to all commercial statistical packages.

But R can be frustrating. It's not obvious how to accomplish many tasks, even simple ones. The simple tasks are easy once you know how, yet figuring out that "how" can be maddening.

This book is full of how-to recipes, each of which solves a specific problem. The recipe includes a quick introduction to the solution

Updated version



## How to Contact Us

Please address comments and questions concerning this book to the publisher:

O'Reilly Media, Inc. 1005 Gravenstein Highway North Sebastopol, CA 95472 800-998-9938 (in the United States or Canada) 707-829-0515 (international or local) 707-829-0104 (fax) We have a web page for this book, where we list errata, examples, and any additional information. You can access this page at:

To comment or ask technical questions about this book, send email to:

[bookquestions@oreilly.com](mailto:bookquestions@oreilly.com) For more information about our books, courses, conferences, and news, see our website at <http://oreilly.com>.

Find us on Facebook: [facebook.com/oreilly](https://facebook.com/oreilly)

Follow us on Twitter: [twitter.com/oreillymedia](https://twitter.com/oreillymedia)

Watch us on YouTube: [www.youtube.com/oreillymedia](https://www.youtube.com/oreillymedia)

Contact

## 1.1 Downloading and Installing R

### Problem

You want to install R on your computer.

### Problem & audience

### Solution

Windows and macOS users can download R from CRAN, the Comprehensive R Archive Network. Linux and Unix users can install R packages using their package management tool:

On Ubuntu or Debian, use `apt-get` to download and install R. Run under `sudo` to have the necessary privileges:

```
$ sudo apt-get install r-base
```

On Red Hat or Fedora, use `yum`:

```
$ sudo yum install R.i386
```

### Code example

It's easy to get confused between R and RStudio because, as you can see in Figure 1.1, the icons look similar.

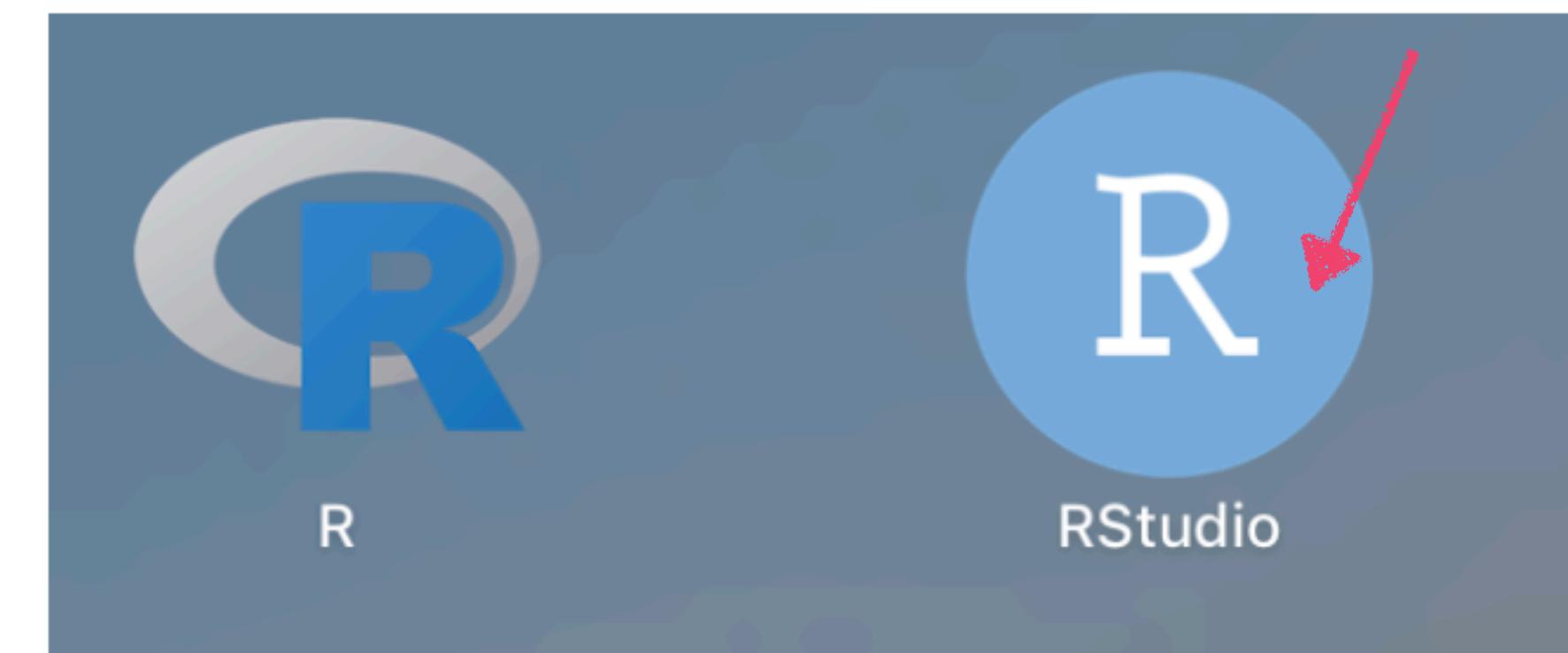
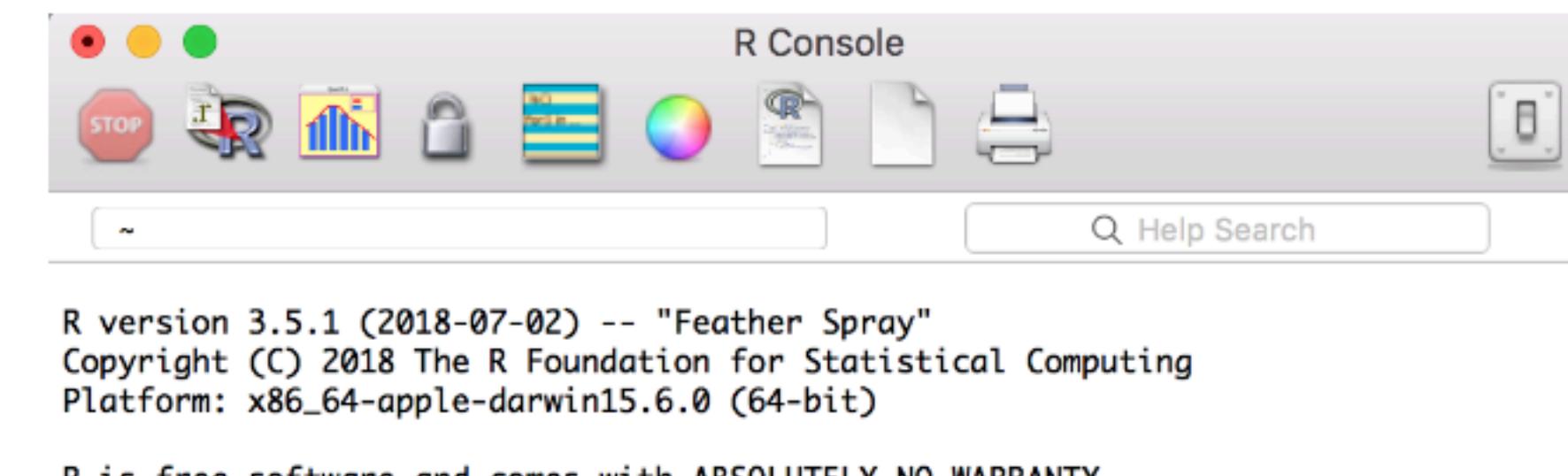


Figure 1.1: R and RStudio icons in macOS

If you click on the R icon, you'll be greeted by something like Figure 1.2, which is the Base R interface on a Mac, but certainly not RStudio.



### See Also

We suggest that you read Eric Raymond and Rick Moen's excellent essay entitled "[How to Ask Questions the Smart Way](#)" before submitting any question. Seriously. Read it.

Stack Overflow has an excellent post that includes details about creating a reproducible example. You can find that at <https://stackoverflow.com/q/5963269/37751>.

Jenny Bryan has a great R package called `reprex` that helps in the creation of a good reproducible example and provides helper functions for writing the markdown text for sites like Stack Overflow. You can find that package on her [GitHub page](#).

### Links

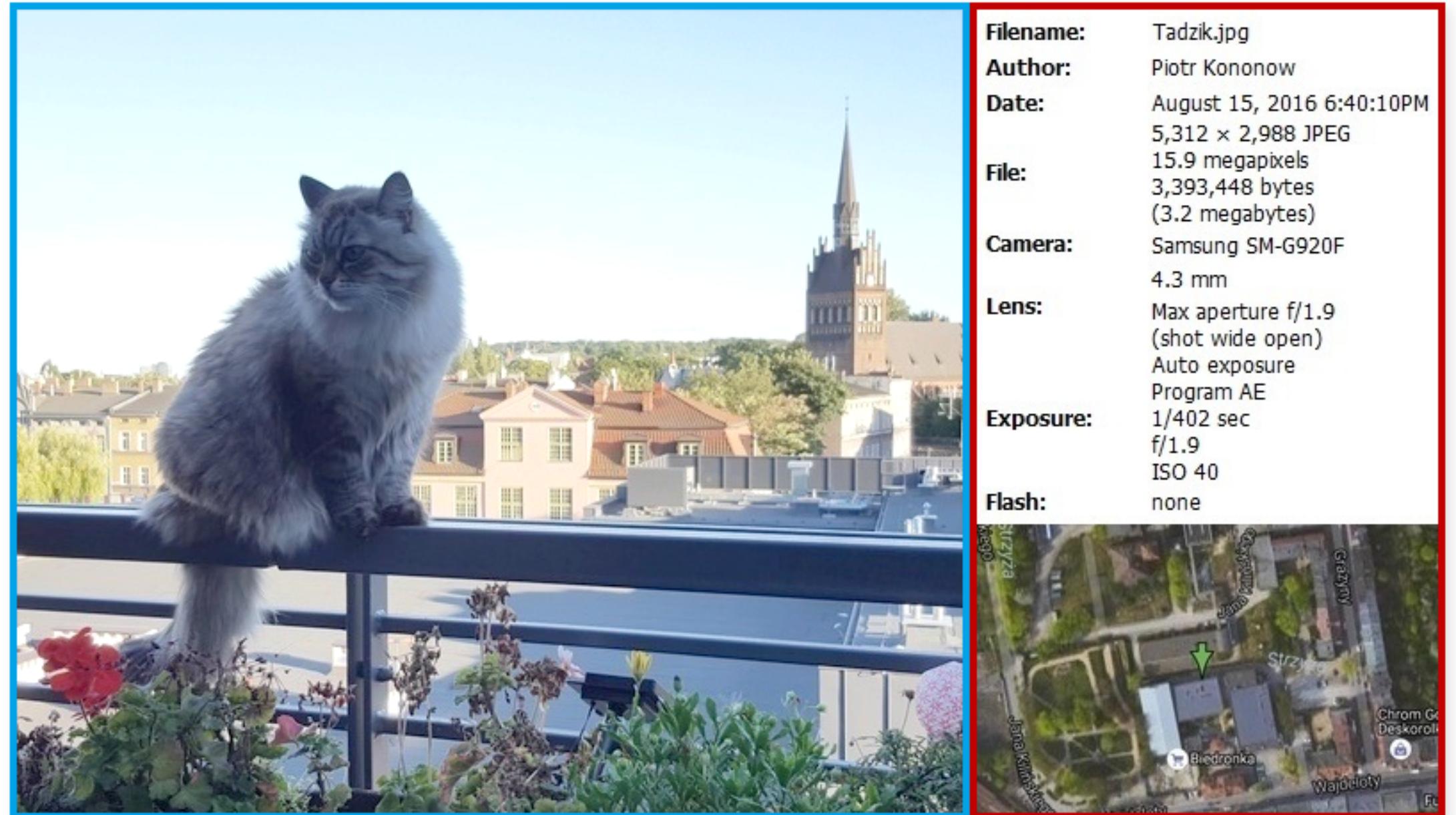
# Documentation Lab

- In this lab, we'll practice reading documentation and looking for answers to our questions in the following documentation sources:
  1. CollectionBuilder documentation
  2. SUCHO documentation
  3. Alex's TEI guidelines for archival transcription

# Metadata

# What is Metadata?

- Literally “data about data”
- Data that provides information about other data (["Merriam Webster"](#))
- “Metadata is structured information that **describes, explains, locates**, or otherwise makes it easier to **retrieve, use, or manage** an information resource” (NISO, 2004, as cited in Miller, 2022, p. 2).



Data

Filename:	Tadzik.jpg
Author:	Piotr Kononow
Date:	August 15, 2016 6:40:10PM
File:	5,312 × 2,988 JPEG 15.9 megapixels 3,393,448 bytes (3.2 megabytes)
Camera:	Samsung SM-G920F
Lens:	4.3 mm
Exposure:	Max aperture f/1.9 (shot wide open) Auto exposure Program AE 1/402 sec f/1.9 ISO 40
Flash:	none

Metadata

Where the wild books are : a field guide to ecofiction

[Request This](#)

[View Tools](#)

**Data** 

**Metadata** 

Author [Dwyer, Jim, 1949-](#)

Title [Where the wild books are : a field guide to ecofiction / Jim Dwyer.](#)

Format  Book

Published Reno : University of Nevada Press, c2010.

Description xii, 264 p. ; 22 cm.

Notes Includes bibliographical references and index.

Contents

- Ecocriticism and ecofiction: definitions and analyses
- Ecofiction's roots and historical development
- Contemporary ecofiction
- Native American and Canadian ecofiction
- Ecofiction from all around the world
- Ecoromance: doin' the wild thing
- The real West
- Green speculative fiction
- Mysteries.

Subject headings [Ecofiction--History and criticism.](#)  
[Ecology in literature.](#)  
[Ecocriticism.](#)

ISBN 9780874178111 (pbk. : alk. paper)  
0874178118 (pbk. : alk. paper)

Until now, Dataedo supported file and SQL Server based repository. support for storing repository in Azure SQL Database.

Current implementation requires manual setup, in future releases the repository creator.

## Create an Azure SQL Database

To create a repository in Azure, first create an Azure SQL database.

**Microsoft Azure**

Home > New > SQL Database

+ Create a resource SQL Database Microsoft

Make sure your IP has access to the database by clicking Set server finishes.

**azurerepo**

SQL database

Search (Ctrl+ /) Copy Reset

Click Add client IP, then Save to add your IP to the whitelist.

**Firewall settings**

dataedo-test (SQL server)

Save Discard + Add client IP

After clicking your database name, you can copy its host address by clicking the **Server name** field.

**azure\_repository**

SQL database

Search (Ctrl+ /) Copy Restore Export Set server firewall Delete Connect with... Click to copy

Resource group (change) test r group

Server name dataedo-test.database.windows.net

**iPod touch**

Uncatena  
Sylvan Esso — Sylvan Esso

3:21 -0:54

Music Library For You Browse Radio Store

Name Time Artist Album Genre Plays

Name	Time	Artist	Album	Genre	Plays
Standing Still	3:53	Reuben And The D...	Funeral Sky (Delux...	Alternative	
Marionette	4:45	Reuben And The D...	Funeral Sky (Delux...	Alternative	
A Memory's Lament	3:33	Reub			
The River	4:04	Reub			
Can't See the Light	3:47	Reub			
Funeral Sky	2:35	Reub			
Black Water	2:34	Reub			
Last Dance	3:27	Rhye			
Never Gonna Give You Up	3:32	Rick Astley	Greatest Hits	Pop	0
Diced Pineapples (feat. Wale,...	4:37	Rick Astley			
You the Boss (feat. Nicki Minaj)	4:41	Rick Astley			
Consideration (feat. SZA)	2:41	Rihar			
James Joint	1:12	Rihar			
Kiss It Better ...	4:13	Rihar			
Work (feat. Drake)	3:39	Rihar			
Desperado	3:06	Rihar			
Woo	3:56	Rihar			
Needed Me	3:12	Rihar			
Yeah, I Said It	2:13	Rihar			
Same Ol' Mistakes	6:37	Rihar			
Never Ending	3:23	Rihar			
Love on the Brain	3:44	Rihar			
Higher	2:01	Rihar			
Close to You	3:58	Rihar			
Goodnight Gotham	1:28	Rihar			
Pose	2:24	Rihar			
Sex with Me	3:26	Rihar			
Diamonds	3:45	Rihar			

Details Artwork Lyrics Options Sorting File

song Never Gonna Give You Up  
artist Rick Astley  
album Greatest Hits  
album artist Rick Astley  
composer Mike Stock, Matt Aitken & Peter Waterman  
 Show composer in all views  
grouping  
genre Pop  
year 1987  
track 1 of 17  
disc number 1 of 1  
compilation  Album is a compilation of songs by various artists  
rating   
bpm   
play count 0  
comments   
Reset Cancel OK

# Metadata

- {**Properties** (elements or fields): **Values**}
- Metadata scheme (or element set): the collection of properties
- Metadata is *embedded* within the information resource
- A **record**: as a group of properties & values

Record

Properties	Values
Author	Dwyer, Jim, 1949-
Title	Where the wild books are : a field guide to ecofiction / Jim Dwyer.
Format	Book
Published	Reno : University of Nevada Press, c2010.
Description	xii, 264 p. ; 22 cm.
Notes	Includes bibliographical references and index.
Contents	<ul style="list-style-type: none"><li>• Ecocriticism and ecofiction: definitions and analyses</li><li>• Ecofiction's roots and historical development</li><li>• Contemporary ecofiction</li><li>• Native American and Canadian ecofiction</li><li>• Ecofiction from all around the world</li><li>• Ecoromance: doin' the wild thing</li><li>• The real West</li><li>• Green speculative fiction</li><li>• Mysteries.</li></ul>
Subject headings	Ecofiction--History and criticism. Ecology in literature. Ecocriticism.
ISBN	9780874178111 (pbk. : alk. paper) 0874178118 (pbk. : alk. paper)

# What does Metadata do?

- It provides *intellectual* access to the contents of a digital collection (e.g. non-textual digital images, sound files, video files, etc.).
- Functions of *identification* and *retrieval* (*searching* and *browsing*)
- *Faceted* browsing (faceted navigation or faceted search)

# Search

## Ecofiction Collection

A collection of contemporary ecofiction

Home About Data Browse Subjects Locations Map Timeline

Search 

Full metadata search:  

Adams 

2 Result(s) found

[Watership Down](#)  
1975-06-01  
Photographic image of the book by Richard Adams  
books

[Interview of Richard Adams, Watership Down author, at Whitchurch Arts show \(Nov 2012\)](#)  
2012-11-07  
Video of an interview with Richard Adams on the book Watership Down  
interviews

Fuzzy search powered by [Lunr.js](#). May take a second to load large collections!

# Browse

## Ecofiction Collection

A collection of contemporary ecofiction

[Home](#) [About](#) [Data](#) [Browse](#) [Subjects](#) [Locations](#) [Map](#) [Timeline](#)

Search



### Browse Subjects

Use this word cloud visualization to browse terms and subjects. Word size is determined by frequency and all words link to a corresponding collection search.

arenas entertainment

books

edward abbey

interviews

isabel allende

margaret atwood

richard adams

rudolfo anaya

wendell berry

whitchurch hampshire

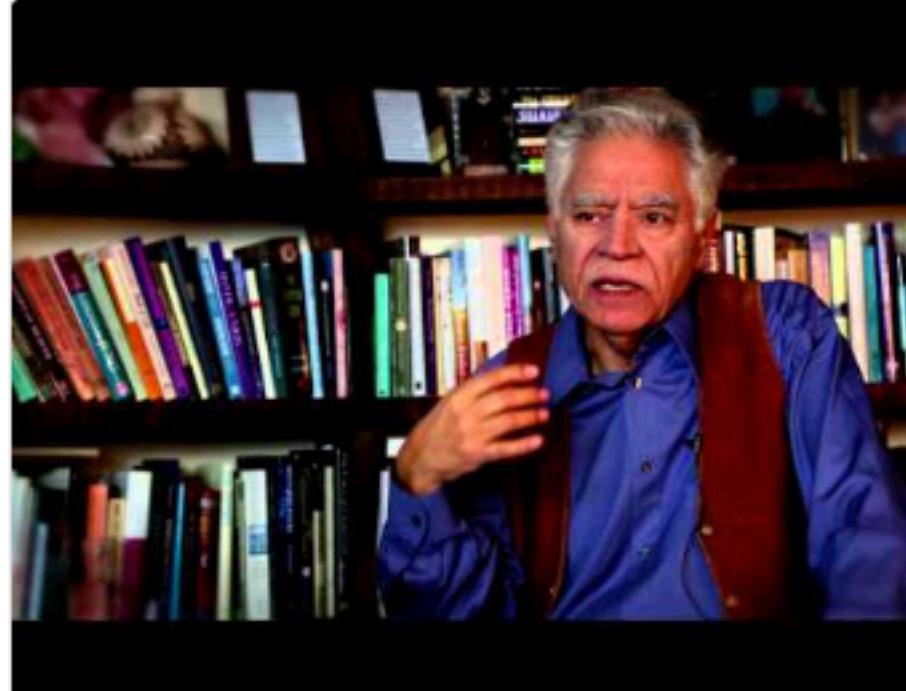
# Sort

Home About Data Browse Subjects Locations Map Timeline Search 

## Browse Items

Filter ... Search Reset

8 of 8 items



Rudolfo Anaya Interview Bless  
Me, Ultima Movie

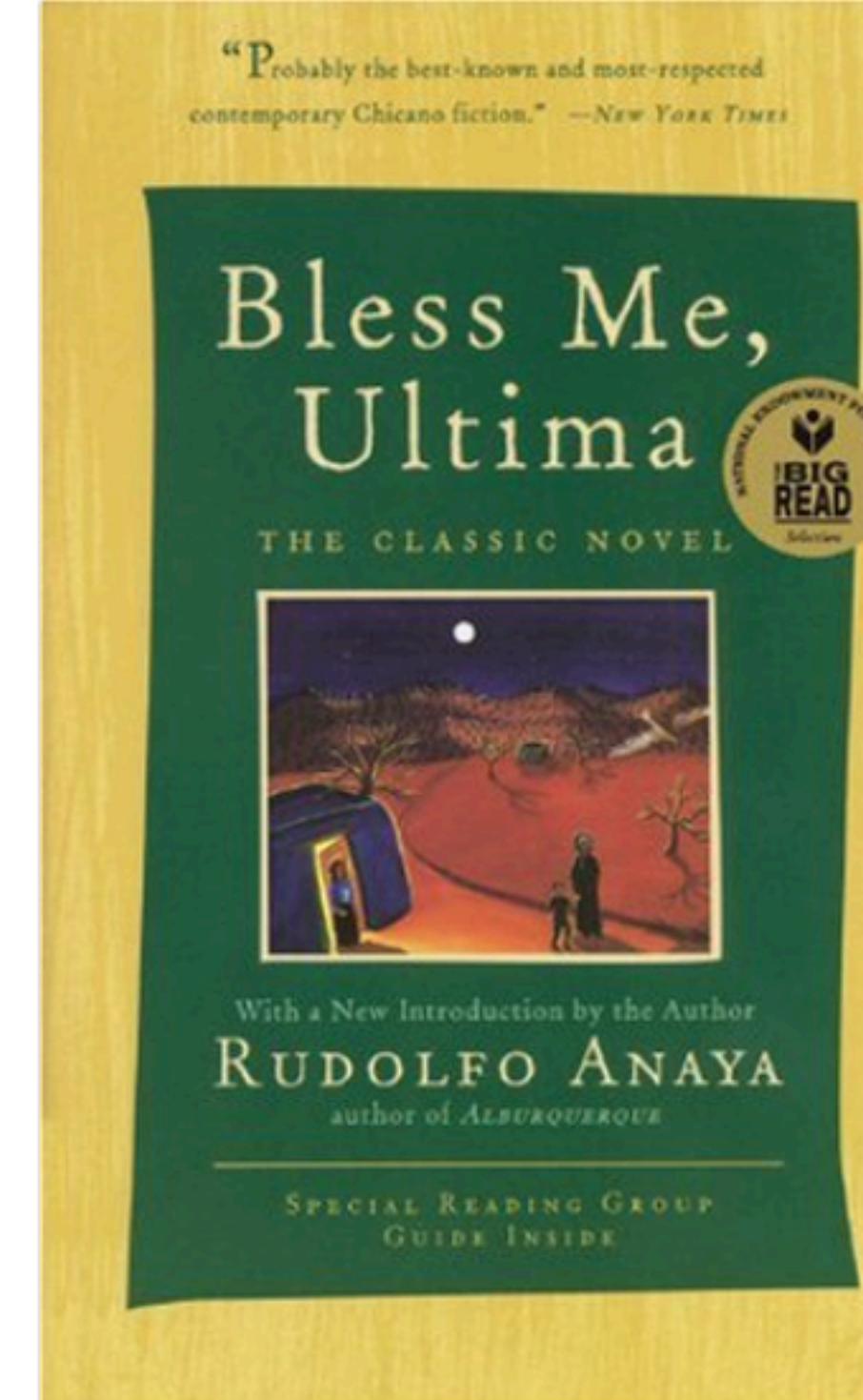
Date: 2013-03-18

Creator: Arenas Entertainment

interviews

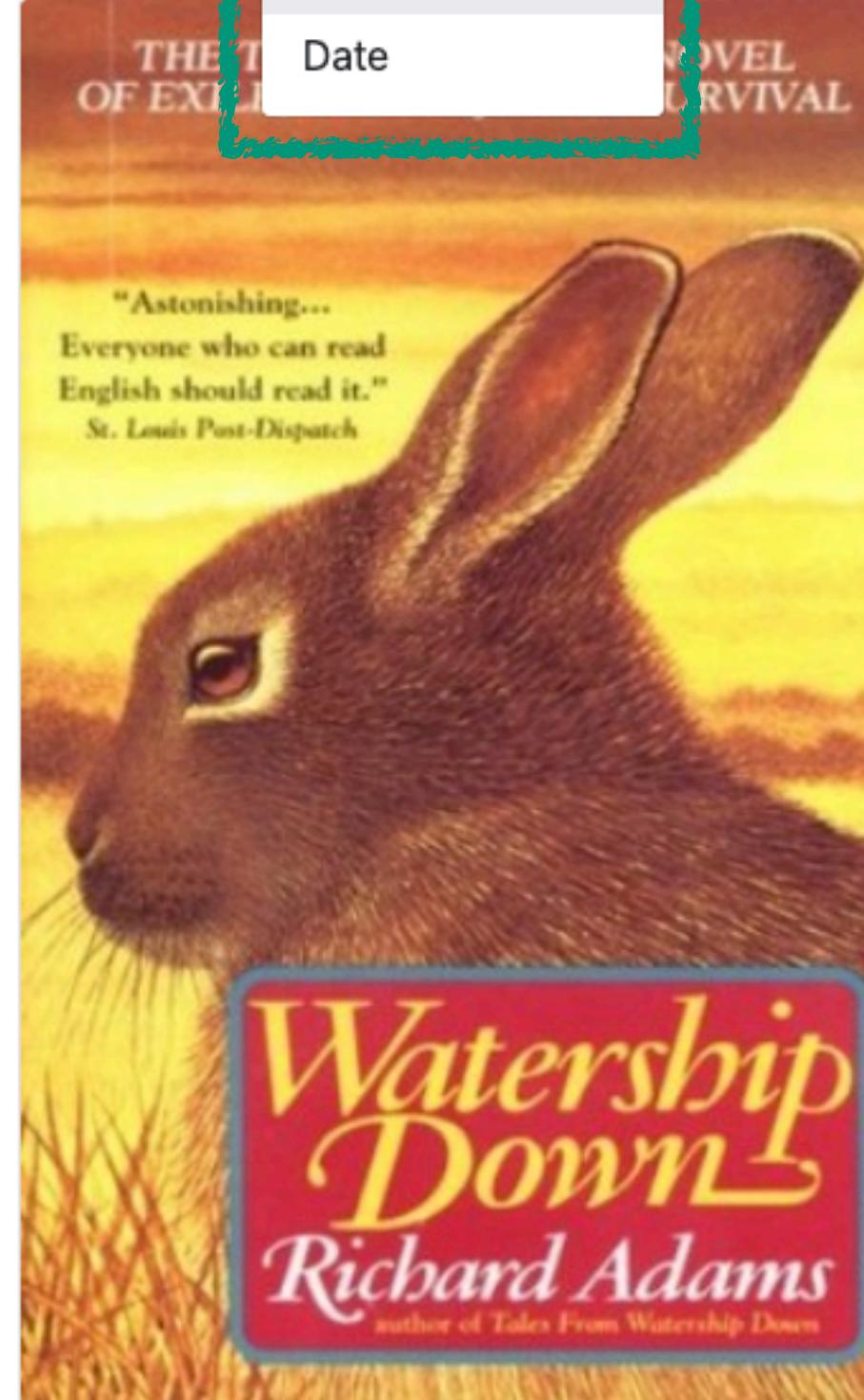
MP4 

View Full Record



Bless Me, Ultima

Date: 1999-04-01



Watership Down

Date: 1975-06-01

Sort by Random ▾

Random

Title

Date

# Facet

The image displays two search interfaces side-by-side, illustrating the concept of facets.

**Left Interface (Indiana University IUCAT):**

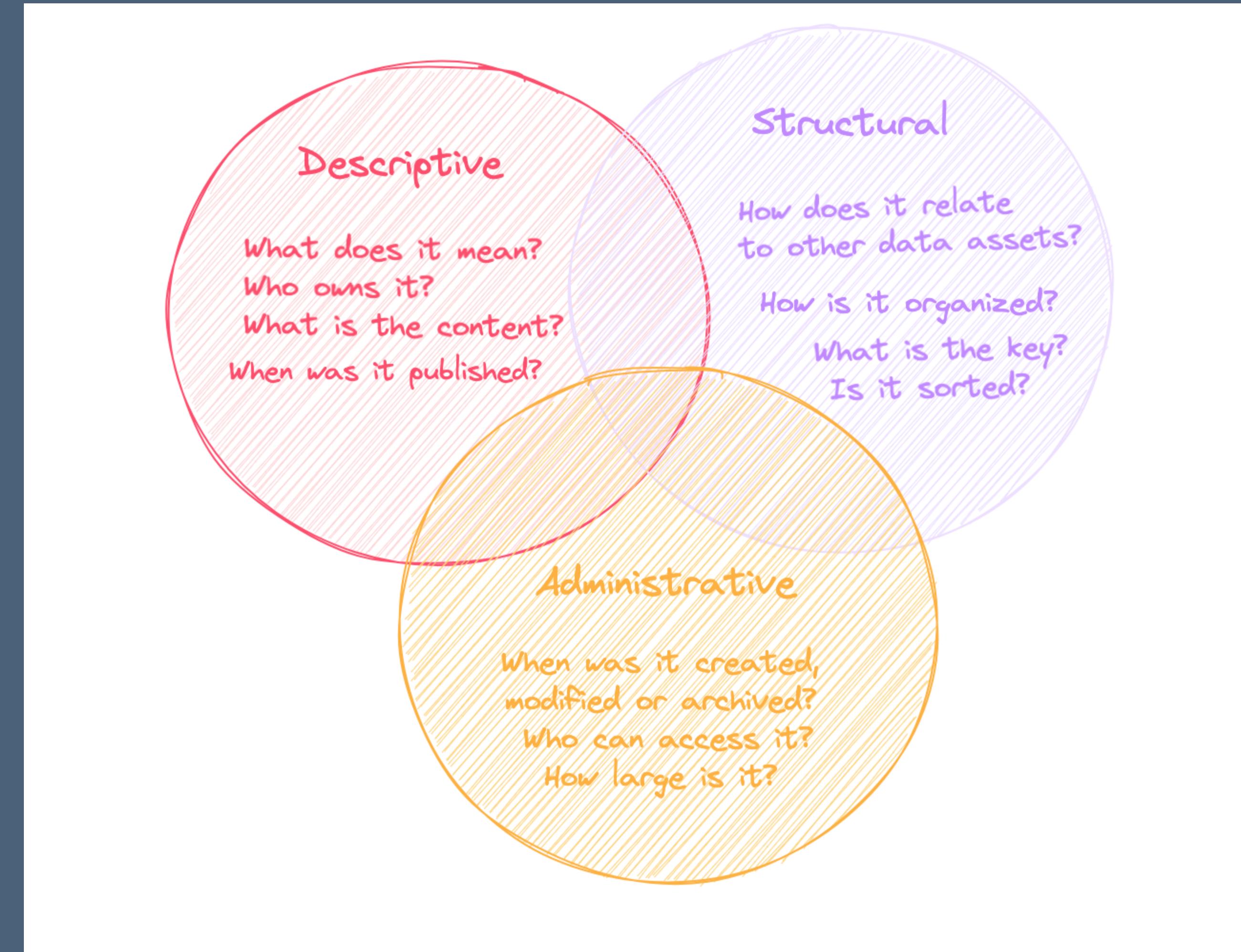
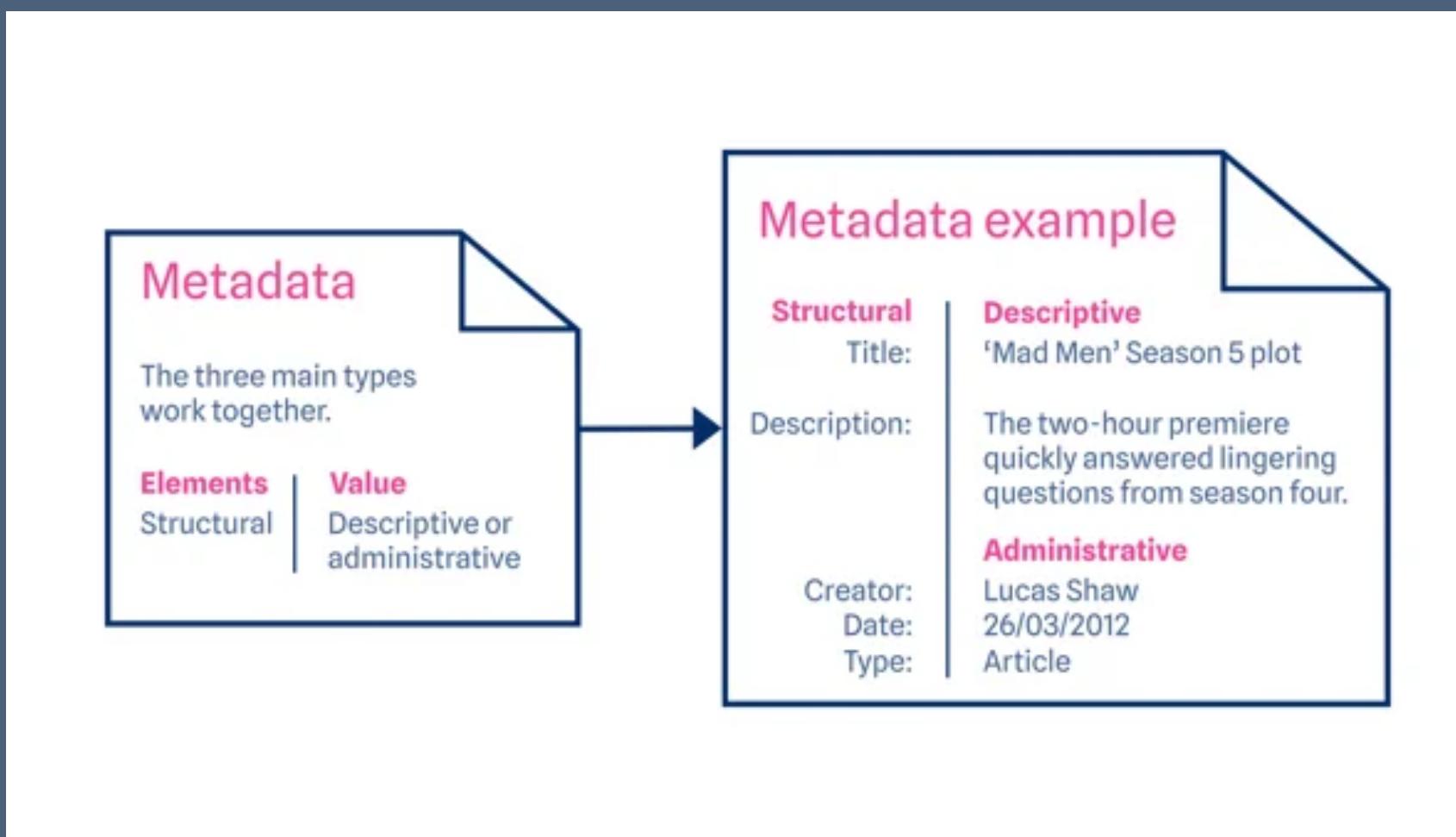
- Header:** Indiana University, IUCAT /
- Navigation:** CAMPUS ▾, HISTORY, FOLDERS (1) ▾
- Search Options:** BASIC SEARCH, ADVANCED SEARCH (underlined), BROWSE, RESERVES, MUSIC SEARCH
- Facets (highlighted with a green box):**
  - Search bar: Search... in All
  - Boolean operators: AND (selected), OR, NOT
  - Publication Year input fields: -
  - Sort results by: Relevance
  - Reset button
- Left Sidebar (highlighted with a green box):** Online Only, Format (Book, E-Book, Journal, Periodical selected), Musical Recording, Microfiche, Streaming Video, Streaming Audio, Musical Score, Microfilm, Map, CD, DVD, Videodisc, Manuscript.

**Right Interface (Amazon):**

- Header:** amazon, Deliver to Gyuri Bloomington 47408, Children's Books ▾, Search Amazon
- Navigation:** All, Medical Care ▾, Customer Service, Amazon Basics, Prime ▾, Buy Again, Household, Health & Baby Care, Amazon...
- Facets (highlighted with a green box):**
  - Books, Kindle Rewards, Advanced Search, New Releases, Best Sellers & More, Categories ▾, Amazon Book Clubs, Children's Books
  - Filters (Age Range, Book Type, Format, Language)
- Product Listings:**
  - Giraffes Can't Dance (Board Book):** by Giles Andreae and Guy Parker-Rees | Mar 1, 2012  
★★★★★ 29,530  
Board book Ages: 1 - 3 years \$6.90 FREE delivery Sun, Sep 22 on \$35 of items shipped by Amazon Or Prime members get FREE delivery Thu, Sep 19 More Buying Choices \$1.21 (15+ used & new offers)
  - Hardcover:** \$12<sup>39</sup> List: \$17.99 FREE delivery Sun, Sep 22 on \$35 of items shipped by Amazon Or Prime members get FREE delivery Thu, Sep 19 More Buying Choices \$1.61 (28+ used & new offers)
  - Paperback:** No featured offers available \$12.21 (9 used & new offers)
  - Peek-a Who? (Lift the Flap Books, Interactive Books):** Part of: Peek-A Who? (5 books) | by Nina Laden | Feb 1, 2000

# Types of Metadata

- Descriptive
- Administrative
- Structural



# Metadata Standards

- **Structure Standards**

- Element sets
- e.g. MARC, EAD, DC, MODS

- **Content Standards**

- How to input the value
- e.g. AACR2, DACS, CCO

- **Value Standards**

- Controlled vocabularies
- e.g. classification systems (DDC, LCC), subject headings (LCSH, AAT)

- **Encoding and Exchange Standards**

- How to encode for the computer
- XML (markup language)

# Why Encoding?

For transformation and interoperability

## DACS to EAD and MARC

DACS	EAD	MARC
<i>1 Level of Description</i>	<archdesc> and <c> LEVEL attribute	351\$c
<i>2 Identity Elements</i>		
2.1.3 Local identifier	<unitid>	099, 090
2.1.4 Repository identifier	<unitid> REPOSITORYCODE attribute	040\$a
2.1.5 Country identifier	<unitid> COUNTRYCODE attribute	The MARC21 format does not contain a straightforward mapping for this DACS subelement value.
2.2 Name and Location of Repository	<repository>	852, 524 (if the preferred citation indicates both the name and location of the repository)
2.3 Title	<unittitle>	245\$a
2.4 Date	<unitdate>	264 _0 \$c

## MARC fields

MARC fields	DC Element	Implementation Notes
100, 110, 111, 700, 710, 711	Contributor	
720		
651, 662	Coverage	
751, 752		
	Creator	Creator element not used.
008/07-10	Date	
260\$c\$g		
500-599, except 506, 530, 540, 546	Description	
340	Format	
856\$q		
020\$a, 022\$a, 024\$a	Identifier	
856\$u		
008/35-37	Language	
041\$a\$b\$d\$e\$f\$g\$h\$j		
546		
260\$a\$b	Publisher	
530, 760-787\$o\$t	Relation	
506, 540	Rights	
534\$t	Source	
786\$o\$t		
050, 060, 080, 082	Subject	
600, 610, 611, 630, 650, 653		
245, 246	Title	Repeat dc:title for each. Some applications may wish to include 210, 222, 240, 242, 243, and 247.
Leader06, Leader07	Type	See Appendix 2 for Leader-Type rules.
655		

# Dublin Core

## Dublin Core basics

1. [Title](#)
2. [Creator](#)
3. [Subject](#)
4. [Description](#)
5. [Publisher](#)
6. [Contributor](#)
7. [Date](#)
8. [Type](#)
9. [Format](#)
10. [Identifier](#)
11. [Source](#)
12. [Language](#)
13. [Relation](#)
14. [Coverage](#)
15. [Rights](#)

Dublin Core Element	Use	Possible Data Value Standards
Title	A name given to the resource.	
Subject	The topic of the resource.	<a href="#">Library of Congress Subject Headings (LCSH)</a>
Description	An account of the resource.	
Creator	An entity primarily responsible for making the resource.	<a href="#">Library of Congress Name Authority File (LCNAF)</a>
Publisher	An entity responsible for making the resource available.	
Contributor	An entity responsible for making contributions to the resource.	<a href="#">Library of Congress Name Authority File (LCNAF)</a>
Date	A point or period of time associated with an event in the lifecycle of the resource.	<a href="#">W3CDTF</a>
Type	The nature or genre of the resource.	<a href="#">DCMI Type Vocabulary</a>
Format	The file format, physical medium, or dimensions of the resource.	<a href="#">Internet Media Types (MIME)</a> <a href="#">Library of Congress Genre/</a>
Identifier	An unambiguous reference to the resource within a given context.	
Source	A related resource from which the described resource is derived.	
Language	A language of the resource.	<a href="#">ISO 639</a>
Relation	A related resource.	
Coverage	The spatial or temporal topic of the resource, the spatial applicability of the resource, or the jurisdiction under which the resource is relevant.	<a href="#">Thesaurus of Geographic Names (TGN)</a>
Rights	Information about rights held in and over the resource.	<a href="#">RightsStatements.org</a>

# Dublin Core Metadata Element Set

Element	Description
Title	"A Pilot's Guide to Aircraft Insurance"
Creator	"Duncan, P. A."
Subject	"Colonial medicine"
Description	"Illustrated guide to airport markings and lighting signals for airports with low visibility conditions."
Publisher	"The University of Texas Press"
Contributor	"Austin Citizen Photograph"
Coverage	"Austin, TX"
Date	"1998-02-16"
Type	"image"
Format	"[128] p. : ill. ; 15 cm."
Rights	"This electronic resource is made available by the University of Texas Libraries solely for the purposes of research, teaching and private study."
Source	"ZA 3075 Y69 2007"
Language	"Spanish"
Relation	"HasVersion 13th Edition"
Identifier	"doi:10.15781/T2251FN91"

[https://guides.lib.utexas.edu/omeka/dublin\\_core](https://guides.lib.utexas.edu/omeka/dublin_core)

# Metadata Application Profile Design

From Miller 2022, p. 21

1. **Analyze** context, content, and users, and determine functional requirements.
2. **Select and develop** an element set:
  - A. A general, cross-collection element set
  - B. A collection-specific element set
3. **Establish** element and database specifications.
4. **Establish** controlled vocabularies and encoding schemes.
5. **Develop** content guidelines.
6. **Document** all of this in an application profile.

# Metadata Application Profile (MAP)

- Analyze the content, determine the users, and decide on *functional requirements*.
  - **Context**: institutional, professional, geopolitical
  - **Content**: types of digital objects, the subject matter, the focus
  - **Users**: user needs and information seeking behaviors
  - **Functional Requirements**: the functions to be performed

# Metadata Lab Part I

- In this lab, we'll be practicing the following:
  1. Analyzing potential context, content, and users
  2. Creating functional requirements for a digital library
  3. Creating a MAP for metadata creation
  4. Following documentation to create metadata
  5. Creating good documentation
- The lab itself has two parts which we'll accomplish over the next week.

## 2. Metadata Application Scenario Example 2: *North American Architecture Digital Image Collection*

### A) Application Scenario for the North American Architecture Collection

- Context:** Hagen Digital Library (HDL), a unit within Hagen University, a privately-funded, medium-sized university in the Midwestern United States. Two professors from Hagen University's Architecture Department have worked with HDL staff to create this collection, tailored for use in an upper-level undergraduate and lower-level graduate courses on the work of famous architects in North America.
- Content:** This collection will include a combination of digitized photographs and born-digital images taken with a digital camera. The focus is on famous buildings in the United States and Canada designed by famous architects. This collection is planned as an ongoing collection, with no definite end date.
- Users:** Primary users: professors and students in Hagen University's Architecture Department, for instructional purposes. Secondary users: potentially very diverse, including scholars, researchers, architects, university and K-12 students and educators, and the general public.

### B) Functional requirements:

- Browse by:**
  - Geographic location: (a) city or region; and (b) state or province
  - Name of architect
  - Type of building
- Fielded Search by:**
  - Architect
  - Name of building
  - City/Region
  - State/Province
- Limit searches by:**
  - Date of building construction
- Identify and obtain resources (in addition to the above) by:**
  - Rights information, including restrictions on use and reproduction;
  - Name of collection
  - Name of institution publishing the resources to the Web
  - Additional description, if useful
- For cross-collection and aggregated searching and identification, also include:**
  - Type of resource (i.e., still image);
  - Digital format

### c) Application Profile (or Data Dictionary):

The following table documents the metadata scheme devised for this collection, including elements and their specifications. The decision was made to use local elements mapped to qualified Dublin Core and to also expose these for output as simple OAI-DC XML.

Element Name	Dublin Core Mapping	Value Scheme	Obligation	Occurrence	Input Guidelines	Examples
Title	Title		M	R	Name of building, followed by location (city/region and state/province). Add brief descriptive information to distinguish one image of the same building from another if needed.	Dana-Thomas House, Springfield, Illinois Walt Disney Concert Hall, Los Angeles, California Le Clos Jordan Winery, Lincoln, Ontario, Canada
Architect	Creator	LCNAF	MA	NR	Use LCNAF. If name not present, use common form of name found in reference sources, surname first for Western names	Wright, Frank Lloyd, 1867-1959 Pei, I. M., 1917- Calatrava, Santiago, 1951- Gehry, Frank O., 1929-
Building Name	Subject	LCNAF	MA	R	Give name of building in controlled vocabulary form, even if the same as that used for the title. Use LCNAF. If name not present there, use common form of name found in reference sources.	Dana-Thomas House Le Clos Jordan Winery Indiana University Art Museum
Building Type	Subject	AAT	MA	NR	Use terms from the Getty Art and Architecture Thesaurus (AAT)	apartment houses art museums (buildings) churches (buildings) concert halls dwellings theaters (buildings)
Date of Construction	Date	W3CDTF	MA	NR	Use date of completion of construction or dedication if available. Otherwise known or approximate date range. Use W3CDTF for single known dates. For date ranges, separate dates with hyphens. For uncertain or approximate dates, use question mark.	2005 1995-04 1855-1887 1748?
City/Region	Coverage Spatial	TGN	MA	R	Use TGN vocabulary for all place names.	Kansas City Toronto
State/Province	Coverage Spatial	TGN	MA	NR	Use TGN vocabulary for all place names.	Missouri Ontario
Description	Description		R	R	Compose a brief description of the content of the image if it contains aspects not represented in other metadata fields. Otherwise leave Description blank.	
Type of Resource	Type	DCMIType	M	NR	Use DCMI Type Vocabulary terms. For this collection, all will be "StillImage."	StillImage
Rights	Rights		M	NR	Use: Copyright 2009 Hagen Digital Library	Copyright 2009 Hagen Digital Library
Use and Reproduction	Rights		M	NR	Use this text: "Images may be reproduced solely for personal and educational purposes and must include the	

					copyright statement. Any use for commercial purposes is prohibited."	
Collection	Relation isPartOf		M	NR	Use: North American Architecture Collection	North American Architecture Collection
Publisher	Publisher		M	NR	Use: Hagen Digital Library	Hagen Digital Library
Digital Format	Format	IMT	R	NR	Use IMT terms; most images in this collection with be jpeg's	image/jpeg

# Metadata Application Profile Assignment

- For this assignment, you will be designing the metadata application profile for your final project. The specified fields will include required CollectionBuilder fields, including *required* fields for visualization, *optional* CollectionBuilder fields that you are using for your project, and any custom fields that you create for your collection.
- The application profile will consist of the following parts:
  1. Description of **context**, **content**, **users**, and **functional requirements**
  2. Selection and description of elements (fields) to be used for your project.

# Collection Metadata

The table below provides sorting and basic search of the collection contents. Use the "CSV" button below to download the filtered metadata you see on the page. Alternatively, click the "Download" button at the top right to view the full collection metadata in various formats.

For more details about the data, see the project's [metadata application profile](#).

Excel CSV

Show 25 entries

Search:

Identifier	Title	Creators	Date	Description	Subjects	Paratext		Source	Identifier
						Type	Tags		
cbp_0440	Advertisement: "33 Power Telescope Lens Kit." Heroic Comics #18 (May 1943). Eastern Color.		1943-05	Advertisement for the book "Wonders of Science simplified" along with a telescope		advertisement		"33 Power Telescope Lens Kit."	2924
cbp_0135	Advertisement: "6 Dresses for \$3.49" Kathy #11 (May 1952). Standard Comics.		1952-05	Advertisement for GUILD Dresses from Kathy #11		advertisement			

Download Data

<https://biblicon.org/cbp/metadata-profile.html>

## Legend

- M Mandatory
- MA Mandatory, if applicable
- R Repeatable
- NR Not repeatable

## Metadata Application Profile for Comic Book Paratexts

### Dublin Core

Element Name	Mapping	Value Scheme	Obligation	Occurrence	Input Guidelines	Examples
objectid	Identifier		M	NR	objectid should be in the form cbp_NNNN, where NNNN is a sequential 4-digit zero-padded number	<ul style="list-style-type: none"> <li>• cbp_0001</li> <li>• cbp_0027</li> <li>• cbp_0239</li> </ul>
parentid	Relation		MA	NR	Include for objects w/in a compound object. Should appear as the objectid of the compound object in which it is contained.	<ul style="list-style-type: none"> <li>• cbp_0001</li> </ul>
title	Title		M	R	Combines 'paratext type,' 'source,' and scope fields. Title should appear in the form: [paratext type]: [source]. {Scope}	<ul style="list-style-type: none"> <li>• Correspondence: "Let's Love Daredevil." Daredevil #36 (1968). Marvel comics.</li> <li>• Publisher's peritext: Just of America #4 (July 2023)</li> <li>• Advertisement: "Honor House Products." Dennis the Menace Friends Series #10 (June 1965). Fawcett Publications. Full</li> </ul>
scope			MA	NR	Include for objects w/in a compound object. Describe the extent of the image.	<ul style="list-style-type: none"> <li>• Full page</li> <li>• Detail</li> </ul>
note						
description	Description		M	NR	Briefly describe the object in	<ul style="list-style-type: none"> <li>• "Bullseye is finally here"</li> </ul>