

Spring 2021 Savvy Researcher Workshops

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Data Discovery and Management

Data Documentation

- This hands on workshop will give you experience using various types of documentation and discuss strategies for writing documentation. Bring a dataset you'd like to work with if you have one. Goals: Understand elements of good documentation, evaluate an example, and apply knowledge.

(Free!) Qualitative Data Analysis with Taguette

- Many full-featured (and expensive!) qualitative data analysis (QDA) software programs are overkill for exploratory analysis or when you're on a deadline. In this workshop, we'll walk through setting up a project in the open source QDA software Taguette. By the end of the workshop, we expect you'll be able to: (1) Install Taguette or access the web-based version of the program (2) Import textual qualitative data into Taguette (3) Code your data using Taguette (4) Export your coded data and codebook for further analysis
<https://guides.library.illinois.edu/qualitative/taguette>

Introduction to Data Management

- Participants will learn the benefits of best practices for managing research data. Goals: Identify elements of data management, realize importance, develop organizational strategies, and create own data documentation.

Introduction to Tableau Public

- Tableau has revolutionized the data analysis task by allowing users to connect, visualize, and interact with data. Join us for an introductory workshop where you will learn how to make charts (scatter plots, treemaps, word clouds), apply analytics, create dashboards, and publish and share your Tableau visualizations.

Planning Qualitative Data Analysis

- There are many tools and strategies for qualitative data analysis, but which approach you take depends on your research question and method. In this interactive workshop, we'll talk through the specifics of your research project to make a plan for qualitative data analysis that helps you meet your goals and help make decisions about what software tools could assist your work. By the end of the workshop, you should be able to:
 - Articulate coding and analysis strategies that will allow you to make claims about your data analysis.
 - Analyze existing literature in your field for background on analysis strategies and reporting expectations.
 - Evaluate qualitative data analysis software tools for fit with your research project and context.

Qualitative Data Analysis with NVivo

- NVivo is a popular tool for analyzing qualitative data. In this workshop, we'll work through the process of setting up a research project in NVivo. By the end of the workshop, we expect you'll be able to: (1) Import your qualitative data into NVivo (2) Describe the coding tools in NVivo and decide how to apply the tools to your project (3) Use NVivo's query tools to explore your data and develop an interpretation of your analyzed data
<https://guides.library.illinois.edu/qualitative/nvivo>

Qualitative Data Analysis with Atlas.ti

- Atlas.ti is a popular tool for analyzing qualitative data. In this workshop, we'll work through the process of setting up a research project in Atlas.ti. By the end of the workshop, we expect you'll be able to: (1) Import your qualitative data into Atlas.ti (2) Describe the coding tools in Atlas.ti and decide how to apply the tools to your project and research questions
<https://guides.library.illinois.edu/qualitative/atlas>

Digital Humanities

Creating Accessible Documents in Word Processing and Presentation Software

- Accessibility is often associated with web content in HTML, but other common document types support adaptive technology. In this hands-on workshop participants will learn how to make common word processing documents accessible for screen readers, and how to make presentation documents accessible for a range of users. We'll work with Adobe PDFs, MS Word and PowerPoint, and in Google Docs and Slides, and will discuss strategies for accessibility in pedagogy and scholarly communications.

Introduction to Optical Character Recognition (OCR) and Searchable PDFs

- Optical Character Recognition (OCR) transforms images with text such as scans of historical documents, books chapters, or even a handout from your class into machine readable and searchable data. OCR opens up a realm of possibilities for research and accessibility. This workshop demonstrates the basic uses of OCR software and gives an overview of OCR software available in the Scholarly Commons, including a demonstration of performing OCR with Adobe Acrobat Pro. As a result of this workshop, you will be able to identify which OCR software is suitable for your needs. <https://guides.library.illinois.edu/OCR>

Introduction to Text Data Mining Principles and Practices

- Text data mining (TDM) is the computational and statistical analysis of large corpora of texts. In this entry-level workshop, participants will get an introduction to the general principles of TDM, and learn about a few of the many tools and methods for quantitative analysis of text data, including word frequency, topic modeling, and sentiment analysis. No prior experience in TDM is necessary. This workshop contributes to the Humanities Research Institute Critical Practice in Text Data Mining (CTDM) Research Cluster. All are welcome to participate.
<https://guides.library.illinois.edu/textmining>

Making and Sharing Interactive Timelines

- In this workshop you'll learn about Timeline JS, an online tool for building interactive timelines. We'll use the tool to build a timeline together in real time, and discuss applications of the tool for research, teaching, and publication.

General Research Skills

Choosing a Citation Manager

- Are you having trouble organizing all your sources but don't know where to start? This hands-on workshop will introduce you to three popular citation managers—Mendeley, Zotero, and Endnote. We will go over pros and cons of each one and give you a preview of how they work to help you choose the best fit for your citation needs.
<https://guides.library.illinois.edu/citationmanagers>

Creating Your Citations with Mendeley

- Are you overwhelmed by organizing your sources? Mendeley is a free citation manager that helps you store and organize your files and insert formatted citations into papers. You will leave this hands-on workshop with a Mendeley library set up and ready to use!
<http://guides.library.illinois.edu/mendeley>

Creating Your Citations with Zotero

- Are you overwhelmed by organizing your sources? Zotero is a free, open source citation manager that helps you store and organize your files and insert formatted citations into papers. You will leave this hands-on workshop with a Zotero library set up and ready to use!
<http://guides.library.illinois.edu/zotero>

Designing Infographics on the Web

- Infographics can be used to enhance your research, presentations, and classroom materials. This hands-on workshop will go over a couple of free web resources, such as Canva and Piktochart, and best practices for creating your own infographics. You're welcome (and encouraged) to bring a project you are currently working on! <http://guides.library.illinois.edu/infographics>

Doing a Literature Review

- This workshop provides an overview of the literature review and its place in a research project, thesis, dissertation, or publication and demonstrates some strategies and resources for finding the information you need.

Drowning in Citations and PDFs? EndNote Can Help!

- Learn how to use EndNote, a citation management software program, to keep track and organize citations and cite while you write your papers. Heavily used by researchers across

campus, EndNote is available for Macs and PCs and can be purchased from the U of I Webstore (<https://webstore.illinois.edu/shop/product.aspx?zpid=3630> for \$95). We often hear graduate students say that they wish they had implemented a citation management strategy at the beginning of their academic careers - don't let this happen to you! Please note that this introductory session is geared towards those who are new to EndNote. If you already own EndNote, check out our EndNote support site for helpful tips and information: (<http://uiuc.libguides.com/endnote>).

Enriching Your Research with Multimedia

- Are you curious about how to incorporate that interesting podcast you listened to into your research project? Using multimedia can enhance the scholarly research you've done when presenting through writing or slides. This hands-on workshop will go over finding, using, and citing multimedia such as images, podcasts, videos, and infographics. You're welcome (and encouraged) to bring a project you are currently working on! <https://guides.library.illinois.edu/multimedia>

File Naming and Data Management

- Participants will gain working knowledge of the need to create a system naming their files, organize, and manage the data they collect from articles, books, statistics, interviews, surveys and so on. Participants will learn through examples on using data management tools in different fields such as history, sociology, and science.

Fine-tuning Your Research with Scopus!

- This session provides insight and strategies for getting the most out of Scopus; the largest abstract and citation database of peer-reviewed literature including scientific journals, books, and conference proceedings. This session will highlight how to find literature about a particular topic, tracking citations, author information, and evaluating sources. Other features and strategies will also be covered. Audience: Undergraduate or graduate students in any field but particularly STEM fields. <https://guides.library.illinois.edu/c.php?g=980380>

Google for Academic Research

- Curious about how you can use Google for more than just restaurant reviews? Learn how to navigate Google's search functions in this hands-on workshop. We'll go over Google, Google Scholar and Google Images to discover how they can be used in your research. <http://guides.library.illinois.edu/google>

Introduction to Research at the Library LEVEL I

- New to our University? Need a refresher on using library resources? This hands-on workshop will go through the basics of using the library catalog and electronic resources. Come with questions if you have them! <http://guides.library.illinois.edu/researchstrategies>

Introduction to Research at the Library LEVEL II

- Frustrated with not getting the search results you're looking for in databases searches? This hands-on workshop will go over using database-specific subject terms and introduce citation chasing in order to get more targeted search results. You do not need to have taken the Level I class in order to attend this workshop. Come with questions if you have them!
<http://guides.library.illinois.edu/researchplan>

Introduction to Research Metrics

- You're writing your first article and you aren't sure which journals to submit it to, or you are in a tenure-track position and you'll need to include an author-level metric in your dossier. In this workshop, we will learn how to distinguish between numerous metrics, including impact factor, h-index, and altmetrics and we'll get hands-on practice using some of the research metric tools.
<http://guides.library.illinois.edu/impact>

Managing Your Work Habits

- Are you struggling with how to manage all your projects and tasks? This interactive workshop will go over tools and strategies to help you refine your work habits. We will focus on optimizing tools you already use, like email and calendars, so that you can better organize in a way that makes sense for you. Come with questions if you have any! Online support for this lesson:
<https://guides.library.illinois.edu/workhabits>

Navigating Internet Disparities and Privacy

- Ever wonder why you may get different search results from your peers even though you used the same search terms? This hands-on workshop goes over how to protect your data from search engines and other websites. We will also go over some basics about how web pages are indexed and organized. <http://guides.library.illinois.edu/filterbubbles>

Web of Science for Research

- This session provides insight and strategies for getting the most out of Web of Science; a platform of multiple abstract databases that include articles, books, and conference proceedings across every discipline. This session will highlight how to find literature about a particular topic, finding full-text, tracking citations, and searching by grant number. Other features and strategies will also be covered.

GIS- Geographic Information Systems

ArcGIS Online: GIS for Everyone

- This workshop introduces GIS through an easy to understand and practical tool using only a web browser. ArcGIS Online is a cloud-based mapping and analysis solution, which can be used to create stylish, fully interactive maps or web map applications. This workshop can help you understand ArcGIS Online basic web map design, research data visualization, sharing maps, and creating Apps. Prior to attending this workshop, students will need to sign up for an ArcGIS Online account at the WebStore: <https://webstore.illinois.edu/shop/product.aspx?zpid=3871>

Sharing Story using Story Maps

- Story Maps combine your data with narrative text, images, and multimedia content to create user-friendly web apps. This workshop will explore different examples of story maps and get you started creating your own. Prior to attending this workshop, students will need to sign up for an ArcGIS Online account at the WebStore: <https://webstore.illinois.edu/shop/product.aspx?zpid=3871>

Scholarly Communication

Author's Rights: Retaining the Rights Important to You

- As scholars and researchers, we all create work in which we hold the copyright. When we publish that work, we often are asked to assign that copyright to the publisher. In some cases, this may mean you may lose the right to reuse your work or to make it available to colleagues or on the web. In this workshop, you will learn what rights you hold, how to read copyright transfer and license agreements, and how to approach retaining the rights most important to you.

Building Digital Exhibitions with Omeka

- Working with historic objects and multimedia? Have a large research project, but not sure how to organize it? Want to make your research accessible to a broader public? In this workshop, we'll explore Omeka, a digital publishing platform, and discuss basic writing strategies that can help you organize, polish, and present your research in any medium. No prior experience with Omeka or web-based design necessary. All are welcome to participate!

Copyright for Teaching

- Are you planning your courses and curious about how copyright rules affect your teaching in class, on the course webpage, and beyond? Then this workshop is for you. Topics discussed in the workshop include, copyright basics, fair use, e-learning and copyright, and teaching and copyright. <https://guides.library.illinois.edu/coursematerialsandcopyrightforprofessors>

Evaluating Journals: The Good, The Bad, and the Predatory

- Is this a good journal to publish in? Is it using predatory practices? Participants in this workshop will learn features to look for when evaluating publication opportunities in order to make an informed choice about where to submit research. Participants will also understand the utility and drawbacks of different journal ranking metrics as a way to evaluate quality.

Illinois Experts: Exploring Your Faculty Profile

- Illinois Experts is the online showcase for cutting-edge research and scholarship at Illinois. With over 2,300 faculty profiles and 150,000 publication records auto-populated from the Scopus citation and abstract database, Illinois Experts is a powerful tool for potential research sponsors, industry partners, and scholars from around the world to discover research expertise and collaborators at Illinois. Join us for a session on Illinois Experts to learn about your faculty profile and how to personalize it (with a photo, research interest statement, and more) and connect visitors to your other personally maintained web and social media profiles; fine-tune your

unique research Fingerprint to optimize your discovery potential on the Experts portal; create and/or connect your ORCID researcher ID and quickly populate your ORCID page with data from Experts; and discover potential campus collaborators for your own research projects. We'll also take a look at how other researchers, news media, research support personnel, and others use Illinois Experts to connect with and highlight the work of Illinois faculty.

Introduction to Scalar: Visualizing Your Argument

- Have a large research project, but not sure how to organize it? Want to structure your writing around multiple topics and themes? In this workshop, we will explore Scalar, a digital publishing platform, that can structure multiple paths through your argument and help you visualize connections between topics, themes, objects, and spaces. As we walk through how to organize content in Scalar with widgets, we will discuss basic writing strategies that can help you organize, polish, and present your research in any medium. This workshop serves as a companion to "Introduction to Scalar: Working with Media," though no prior experience with Scalar or web-based design necessary. All are welcome to participate!

Introduction to Scalar: Working with Media

- Tired of describing film, art, and sound in non-media friendly documents? Want to present your research accessible to a broader public? In this hands-on workshop, we will explore Scalar, a digital publishing platform. As we walk through how to add and display media content, we will discuss basic writing strategies for multimedia publications, including resources for assessing copyright, file formats, and page layout. This workshop serves as a companion to "Introduction to Scalar: Visualizing Your Argument," though no prior experience with Scalar or web-based design necessary. All are welcome to participate!

Introduction to Topic Modeling

- Do you have too many texts and not enough time to read them closely? Curious to see how a theme or an idea changes over time, by author, or by genre? Looking for patterns and themes but not sure where to start? Join us for an introduction to topic modeling, an algorithm-based method for identifying clusters of words that appear together in a corpora of text. As we explore sample data sets, including the letters of Alexander Hamilton, we'll discuss ways to tailor this method to your research interests and teaching. This workshop contributes to the Humanities Research Institute Critical Practice in Text Data Mining Research Cluster, and all are welcome to participate.

Open Textbooks: Rights, Resources, & Reasons

- Are you interested in implementing Open Educational Resources (OERs) for your classes, but don't know where to start (or if it's even worth the trouble)? This workshop will introduce you to the importance of OERs, the rights and licenses that you need to know in order to use or create an OER, and how to find one that will suit your needs. It will also confirm that it is indeed worth the effort (and that they really aren't that much trouble).

Using Creative Commons Licenses to Enhance Your Research

- This session will cover how to find, use, cite, and apply Creative Commons licenses throughout the research process. Participants will learn the function of Creative Commons licenses in relation to copyright, best practices for integrating Creative Commons licensed materials into their projects, and how to apply the licenses to their own work. Participants will be able to articulate the ways Creative Commons licenses both support and challenge traditional copyright and publishing practices in order to make publishing decisions that best align with their values.

Using the Work of Others without Permission: Putting Fair Use to Work for You!

- This interactive workshop will provide you with information about the basics of copyright law, your fair use rights, and how to exercise those rights. Join Copyright Librarian, Sara Benson, for a fun and interactive way to learn how to legally build on the work of others to explore the arts, sciences, and beyond.

Sharing Your Research

Google Scholar, ResearchGate, ORCID, and More: Curating Your Online Scholarly Identity

- ResearchGate, Google Scholar, Academia.edu, ORCID, Mendeley, SSRN, Amazon Author Page, IDEALS, and Illinois Experts are just some of the online scholarly collaboration networks you might be trying to manage. Many researchers and students are now leveraging some or all of these and other platforms to share their work, thereby increasing the impact and visibility of their scholarship. Learn more about how to effectively use researcher profile systems and scholarly communications networks to develop and manage your online scholarly presence. <http://guides.library.illinois.edu/onlinepresence>

How to make Wikipedia edits that stick

- Millions read articles in Wikipedia (WP) every day, and anyone who cares about a topic can contribute to improve quality. The experience most people have editing WP is, first, they make an edit (which might violate the encyclopedia's policies), their edit is erased by other editors within 24 hours, and the new editor becomes discouraged and gives up. Taking time to understand WP's culture and the history of an article and to follow up on one's work will make it more likely that edits persist. In addition to basic WP policies, this workshop will focus on how to read the version history and community talk pages of WP articles, in order to introduce participants, would-be editors, to the culture of Wikipedians.

Poster Presentation and Design

- Are you preparing for an upcoming conference? Need to design a poster for your class? This workshop will give you tools for communicating your research for academic conferences and professional meetings in a concise and visually effective poster presentation. This event is co-sponsored by Scholarly Commons, the Writers Workshop, and the Office of Undergraduate Research.

Publish your videos with Kaltura (Mediaspace)

- Kaltura (mediaspace.illinois.edu) is a YouTube-like service that allows U of I people to post and share videos, and you can use it to promote your research, for teaching, or outreach. Now, Zoom meetings you record to the cloud go directly into Kaltura! You can publish your media broadly or selectively. You can upload videos you've already made, or record directly online, edit your videos, and add captions, too. We will cover what you need to know to get started publishing with Kaltura, and follow up with consultation for your specific projects.

The Power of Presentation: Enhancing your Slides for Teaching and Engagement

- Throughout your life you will, almost certainly, give presentations. We've all sat through presentations that were boring, confusing, and drab. How do you communicate your message most succinctly? What visuals will captivate and inform your audience the best? Is it only about your slide design or are there other techniques that leave a lasting impression? In this session we distill the magic that just might take your next presentation from bland to grand.
<http://go.illinois.edu/presentation>

Miscellaneous

Latin American and Caribbean Research Workshop

- This workshop will introduce the different resources to study and research Latin America and the Caribbean (LA&C) at the University Library and beyond. After a brief introduction to the collection and services, we will review all the major databases that support LA&C research, including utilizing the different library catalogs, general and area specific databases to find secondary literature, contemporary and historical primary sources, and more. We will discuss other major open access databases and discuss the state of academic publishing in the area. The remaining time will be devoted to hands on research.

Research and Instruction at the Rare Book & Manuscript Library

- The Rare Book & Manuscript Library holds about 500,000 volumes and 5,000 linear sq.ft. of archival material. This large collection of primary source material is available digitally to all interested individuals. This workshop will discuss the variety of ways in which a patron can virtually engage with materials at the RBML - including individual research, classroom instruction, and opportunities for collaboration.

Introduction to the Biodiversity Heritage Library

- The Biodiversity Heritage Library is an open access digital library of more than 57 million pages. Focused on biodiversity literature, it contains many rare materials with the original naming and descriptions of plants and animals. The historic, artistic, and scientific materials are useful across a wide range of disciplines. Attendees will learn to search the BHL catalog as well as the stunning collection of public domain images in Flickr.

Getting Started with Machine Learning: Working with Images in Google Colab

- This workshop is designed for novice researchers who are curious about ways to apply machine learning algorithms on image datasets. Participants will learn to use Google Colab, a free and

cloud-based tool, to write basic Python code for processing images and performing machine learning tasks. The workshop will end with a discussion about current and potential use cases of these technologies as well as image datasets and other resources available on campus.