COLUMBIA UNIVERSITY LIBRARIES

DIRECTORY
of WORKSHOPS

Columbia University Libraries
Directory of Workshops

Columbia University Libraries and its affiliates (Barnard, Teachers College, Law, Health Sciences Library) offer more than 800 workshops and training programs annually, serving library users from first-year undergraduates to faculty seeking to sharpen their research skills. Our approach to supporting teaching and learning at Columbia aims to foster critical literacy with sources and systems in a context of equitable access and inclusive participation. We offer open workshops that teach a wide range of skills and literacies and partner with faculty to provide course-embedded instruction. The workshops listed here are examples of sessions held in recent years, not necessarily currently scheduled events. If you see a workshop of interest to you in this directory that isn't currently scheduled on our website, reach out! We welcome requests for workshops throughout the academic year. Workshops and training programs are open to anyone at Columbia unless otherwise noted, and most events require registration.

To explore or register for currently scheduled workshops, to sign up to receive a weekly digest of scheduled workshops during the academic year, or to offer feedback and suggestions, please visit our website.

library.columbia.edu/workshops

What We Offer

Library Essentials

We offer ongoing, regularly occurring workshops on the basics of how to use your libraries. Offered by either Columbia University Libraries or Teachers College, these sessions are open to anyone at Columbia and are typically appropriate for any level. (No prior library or research knowledge necessary!) Workshops are held weekly on various days and times to easily accommodate your schedule and are all one hour or less.

Archives and Special Collections

The Columbia University Libraries are home to thousands of rare and unique archives, rare books, and manuscripts. Under the heading "special collections," these materials, including digital resources, are of singular value to teaching and research. Sessions on how to find and use special collections are offered by curators, historians, and digital scholarship specialists in a variety of disciplines. Workshops presented in this directory represent a small sample of the wide array of course-integrated and open sessions offered by the Libraries; students and faculty can reach out for individual assistance with special collections, and staff can also work with the Libraries to tailor a bespoke primary-source session for any class at Columbia.

Publishing

We offer workshops on various aspects of digital publishing and scholarly communication, centering on support for partners in our podcasting and journal publishing programs but open to anyone at Columbia interested in learning more about the mechanics and best practices of scholarly publishing in various media. Frequent workshop topics include the production and dissemination of podcasts, editorial best practices for journal editors, and (for accepted journal-program partners) setting up and maintaining journals using Open Journals Systems (OJS).

Data & Open Scholarship Training

We build critical data literacies for library users at all levels to find, evaluate, understand, steward, and use data. Our experts offer training modules on data-research-related techniques and subjects such as data mining and analysis, text analysis, music technology, Python, relational databases, geographic information systems (GIS), web mapping, and more.

Our Foundations for Research Computing series, hosted in collaboration with CUIT and the Office of the Executive Vice President for Research, provides informal training for Columbia University graduate students and postdoctoral scholars to develop fundamental skills for harnessing computation: core languages and libraries, software development tools, best practices, and computational problem-solving.

Library Essentials

Getting Your Bearings

This workshop will help users feel at home in their Libraries, tailored to their area of study. Learn to navigate the library system and find your way around our many library spaces. Explore new ways to discover and access books, articles, videos, sound files, images, ebooks, and more, on-site or at home. Examples of recent discipline-specific sessions include:

Getting Your Bearings: African Studies
Getting Your Bearings: Chinese Studies
Getting Your Bearings: Burke Library
Getting Your Bearings: Business and Entrepreneurship
Getting Your Bearings: First-Generation, Low-Income
  Partnership Library
Getting Your Bearings: Middle East and Islamic Studies
Getting Your Bearings: Science and Engineering
Getting Your Bearings: Undergraduate Students

Library Essentials   Columbia Libraries

From Books to Bytes: Navigating the Research Ecosystem (Video Modules)

This series was created by the Libraries in partnership with the Center for Teaching and Learning. The set of video modules will define the research cycle, provide students with practical strategies, and guide students through the vast resources available to them at Columbia. Librarians are also available to teach customized sessions on any of the module topics by request. Modules include:

Develop a Research Strategy
Recognize Bias
Understand Research Data
Archives and Primary Sources
Cite and Organize Sources
Preserve and Share Your Research

Register for currently scheduled workshops here:
library.columbia.edu/workshops

Charting Your Path: An Introduction to Library Research

Graduate school research may feel daunting, but this foundational workshop will cover key concepts, strategies, and tools to help develop your research skills. The workshop will start with a broad overview of what graduate-level library research can look like, including terms you may come across in your journey, followed by information needed to conduct library research across all research disciplines.

Library Essentials   **Teachers College but open to all CU affiliates**

Let's Use CLIO

Learn how to use CLIO, our library catalog, in your courses and research. This workshop will cover the fundamentals of the information ecosystem at Columbia University and demystify jargon that you may have encountered. You will learn how to find ebooks, databases, research guides, and more. This session will also introduce techniques to locate digital alternatives to print resources.

Library Essentials   **Columbia Libraries**

Request a tailored instruction session for your course here: library.columbia.edu/go/instruction

Reading the Contemporary Information Landscape: Principles of Source Evaluation

In an era of information overload, how can you confidently determine a source's credibility? This workshop equips graduate students with a sophisticated tool kit for navigating the modern information landscape. We will move beyond basic checklists to master practical evaluation frameworks and review core principles like the peer-review process and source types. You will leave feeling empowered to critically analyze any information and enhance the quality of your scholarly work.

Library Essentials   Teachers College but open to all CU affiliates

Database Demo: See How Research Databases Work

In this workshop, you will learn how to use a research database to find scholarly research. This workshop compares three database platforms: EBSCO, JSTOR, and ProQuest. You will learn about using Boolean operators, creating a search string, and selecting key terms.

Library Essentials   Columbia Libraries

Register for currently scheduled workshops here:
library.columbia.edu/workshops

Ebooks and Electronic Reading for Study

Reading on the go has never been easier through Columbia University Libraries. This online workshop will walk you through a variety of mobile options, including downloading and reading ebooks and other materials on Kindles and other devices. You will also practice using the Palace app to find and read ebooks as well as digital archives and audiobooks.

`Library Essentials` `Columbia Libraries`

How to Get Your News Through the Libraries

Whether you're interested in keeping up with today's headlines or looking for old news coverage for a research project, the Libraries provides access to thousands of newspapers and magazines from around the world to Columbia University faculty, staff, and students free of charge. Learn how to sign up for digital subscriptions to select newspapers (*New York Times*, *Wall Street Journal*, and *Financial Times*), how to search and browse the news through various databases, and how to access articles not available online.

`Library Essentials` `Columbia Libraries`

Introduction to International News Sources

A one-hour, introductory workshop on current and historical news sources in *multiple languages* available at Columbia for research on Africa, East and South Asia, East Europe and Russia, Latin America and the Caribbean, and the Middle East.

`Library Essentials` `Columbia Libraries`

The ABCs of Copyright

Covers the basics of copyright and the fair use exception, as well as copyright considerations for teaching and authorship.

`Library Essentials` `Teachers College but open to all CU affiliates`

Request a tailored instruction session for your course here: library.columbia.edu/go/instruction

Citation Management with Zotero (Beginner)

Creating citations and bibliographies can be difficult—and so can keeping track of all the reading that you'll do over the course of a class, a semester, and your academic career. Zotero is a free, open-source bibliographic management program that allows you to collect, organize, cite, and share your research. This one-hour workshop will introduce you to Zotero, help you to use it, and provide strategies for effectively utilizing it in your research and writing. Teachers College offers a similar workshop, "Managing Your References with Zotero," open to all Columbia affiliates.

`Library Essentials`   `Columbia Libraries`
`Teachers College but open to all CU affiliates`

Citation Management with Zotero (Advanced)

This workshop builds on the beginner-level Citation Management with Zotero workshop to give attendees insights into more advanced features of Zotero, including

Register for currently scheduled workshops here:
library.columbia.edu/workshops

popular plug-ins. Attendees will explore PDF annotation, group libraries, zotfile, setting up an external host for files, advanced searching, saving searches, and exporting data for use in other projects. Attendees should have experience with Zotero for general reference management.

Library Essentials   Columbia Libraries

Citation Analysis and Research Impact: Measuring the Impact of Knowledge

How do you determine the influence of a journal, article, or author within your field of study? This workshop will introduce bibliometrics—the use of quantitative data from the use of citations—as a means for measuring impact, influence, and assumed quality of a journal, article, or researcher. Attendees will explore many tools and resources as a means of assisting authors, reviewers, and others in making their quantitative and qualitative assessments.

Library Essentials   Teachers College but open to all CU affiliates

Request a tailored instruction session for your course here: library.columbia.edu/go/instruction

Introduction to the Bloomberg Terminal

This workshop offers an introduction to the navigation and functionality of the Bloomberg Terminal, emphasizing popular shortcuts. Some of the topics covered are company and industry research, corporate financial information, Bloomberg Law, Bloomberg University, and the Bloomberg Market Concept certificate program.

Library Essentials   Columbia Libraries

Company and Industry Research for Business and Entrepreneurship

This workshop provides an introduction to researching companies and industries. Led by the Librarian for Business and Entrepreneurship, this session will introduce library databases for company and industry research and explore strategies for finding industry trends, market size, key industry players, external influences, and more. This workshop is open to anyone seeking to conduct company and industry research.

Library Essentials   Columbia Libraries

Market and Consumer Research for Business and Entrepreneurship

This workshop provides an introduction to the basics of market and consumer research using library resources. Led by the Librarian for Business and Entrepreneurship, this session will explore resources for finding information on consumer behavior, psychographics, demographics, and market segmentation. This workshop is open to anyone seeking to conduct market and consumer research.

Library Essentials   Columbia Libraries

Literature Reviews: How to and Why

In this workshop you will learn the basics of conducting a literature review. You will learn how to make a plan for your literature review, how to use appropriate search strategies

in library databases, and how to critically evaluate sources. All disciplines and subject interests are welcome, but the librarian teaching the workshop may specialize in a certain subject area. Teachers College offers a similar workshop, "The Literature Review," open to all Columbia affiliates.

`Library Essentials` `Columbia Libraries`
`Teachers College but open to all CU affiliates`

Using Covidence for Article Screening for Systematic Reviews

Understand what comprises the article screening step in the systematic literature review process, and learn how to use the software Covidence to streamline systematic reviews.

`Library Essentials` `Teachers College but open to all CU affiliates`

Advanced Search Strategies

How do you know that you are retrieving all the relevant information needed for your research topic? Do you find that your catalog and database searches don't always yield the best results? This workshop will cover strategies and concepts needed to ensure that your searches provide the most relevant results and teach you to conduct more advanced searches with tools that search in a variety of contexts.

`Library Essentials` `Teachers College but open to all CU affiliates`

Streaming Video for the Classroom

This workshop reviews streaming video resources available through Columbia University Libraries for teaching and research. We will address educational licensing and personal streaming services such as Netflix and Amazon Prime. This session may be particularly useful for instructors who use video in their classes.

`Library Essentials` `Columbia Libraries`

Request a tailored instruction session for your course here: library.columbia.edu/go/instruction

Streaming Audio and Music Video Resources

This workshop highlights streaming audio and music video resources available through the Libraries.

`Library Essentials` `Columbia Libraries`

Digital Music Scores

This workshop highlights digital music scores resources available through the Libraries.

`Library Essentials` `Columbia Libraries`

Introduction to Research on Human Rights in Africa

A one-hour, introductory workshop on human rights in contemporary Africa, especially for those interested in writing literature reviews, legal instruments, and primary sources in all formats and exploring ethical issues.

`Library Essentials` `Columbia Libraries`

Using PubMed for Research

This workshop highlights the important features of PubMed for health science research. We will provide an overview of keyword searching, using filters, using the MeSH database, saving and exporting results, and other useful tips for getting the most out of PubMed.

`Library Essentials` `Teachers College but open to all CU affiliates`

Navigating for Accessibility

Ever struggled to get a screen reader to work with a library database? Confused about why one PDF is accessible and another isn't? We will dive into the technical and practical reasons behind these issues, giving you a clear road map for success. Learn how to identify and solve problems related to assistive technology compatibility, digital file formats (EPUB vs. PDF), and restrictive Digital Rights Management (DRM). We will also guide you directly to the people and services at the Gottesman Libraries and Teachers College who can help.

Library Essentials   Teachers College but open to all CU affiliates

Introduction to Course Resource Lists for Instructors

This workshop walks faculty members and course assistants through the basics of using Course Resource Lists, the Gottesman Libraries' course reserves platform and collaborative tool located within credit-bearing Teachers College courses in Canvas.

Library Essentials   Teachers College but open to all CU affiliates

Making the Most of Course Resource Lists for Instructors

This workshop highlights additional features of Course Resource Lists, the Gottesman Libraries' course reserves platform located within credit-bearing Teachers College courses in Canvas, and offers tips for creating lists that will engage students and encourage usage.

Library Essentials   Teachers College but open to all CU affiliates

Request a tailored instruction session for your course here: library.columbia.edu/go/instruction

Archives and Special Collections

Basics of Archival Research

This workshop will provide an overview of how to locate archival resources, how to plan effectively for your research trips, how to make the most of your visit, and how to interpret the information you find (or don't find!). While this session is geared toward graduate students and undergraduate thesis writers, anyone interested in learning more about archival research is welcome to attend.

Archives and Special Collections   Columbia Libraries

Understanding Primary Sources

Come learn about introductory techniques for locating, accessing, and analyzing historical documents. Our goal in this workshop is to provide participants with a preliminary skill set useful in the discovery, access, and analysis of primary source documents. Additionally, students and participants will have the opportunity to work directly with primary source material from the Gottesman Libraries' Special Collections.

Archives and Special Collections

Teachers College but open to all CU affiliates

Introduction to Archives: Rare Book and Manuscript Library

This in-person workshop will provide a general overview of conducting research in archives, with a focus on the special collections of the Rare Book and Manuscript Library (RBML). We will introduce participants to the RBML website and archives portal and show how to navigate finding aids.

Hands-on demonstrations will give attendees the experience of working directly with primary sources. The workshop will be led by archivists working at RBML.

Archives and Special Collections   Columbia Libraries

Introduction to Medieval Manuscripts

Part of a semester-long interdisciplinary seminar within the Medieval and Renaissance Studies Program at Columbia, this session provides students, from undergrads to PhD candidates, a hands-on opportunity to work with manuscripts while honing hard skills related to the production, use, and preservation of those materials.

Archives and Special Collections   Columbia Libraries
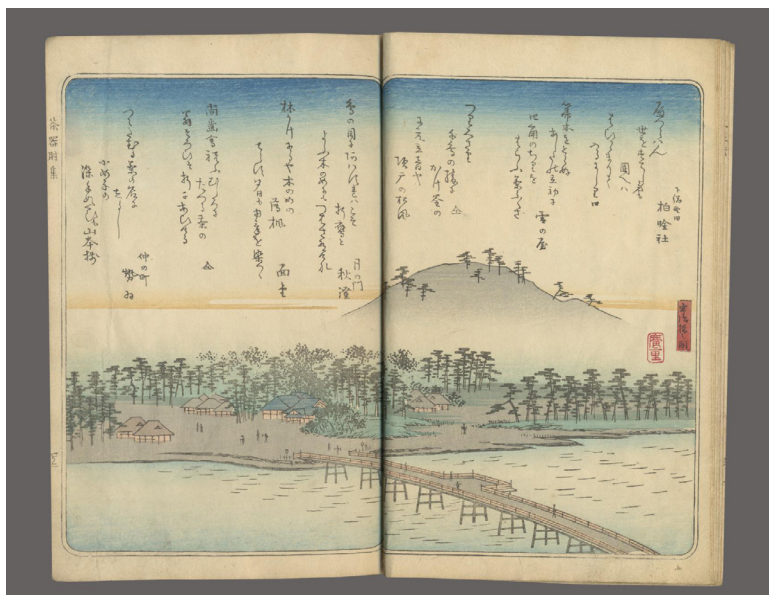
The History of Textual Transmission

How do texts written in ages past come down to us today? And how do we improve our understanding of what we read when we think about texts not just as words on a page but also as physical objects that move through time and space? This session, focused on manuscripts and rare books from the collections of the Burke Library at Union Theological Seminary, introduces students to the history of textual transmission. Students will have a chance to think about (a) the different ways that texts have been produced through the ages, (b) the transmission of texts through time and space, and (c) how changes in writing technologies have altered how we understand and engage with what we read. As we explore these historical developments together in an interactive setting, we will look at ancient stone tablets and Greek papyri, medieval parchment documents and bibles, and a variety of early printed works that highlight key themes in the history of writing and writing technologies.

Archives and Special Collections   Columbia Libraries

Request an instruction session that incorporates archives and special collections into the classroom: library.columbia.edu/go/instruction-special

Managing Your Personal Research Photos with Tropy

Many researchers take digital photographs as part of their archival research. Unidentified and unorganized, these images can quickly accumulate on phones and desktops. Managing those personal photograph collections efficiently and effectively is key to maximizing the value of your research. Tropy is a free, open-source tool for organizing and describing these collections. In this 45-minute workshop, we will provide an overview of how to get started with Tropy and the basics of using it to arrange, discover, enhance, and annotate personal research photographs.

Archives and Special Collections   Columbia Libraries

Queering Religious Archives

Searching for LGBTQ+ subjects in any archive—let alone religious ones—can be tricky. This workshop includes a basic introduction to locating key collections and accessing documents, along with hands-on activities to guide users through identifying subjects of interest and interpreting this history.

Archives and Special Collections   Columbia Libraries

Register for currently scheduled workshops here:
library.columbia.edu/workshops

Publishing

How to Manage a Journal

This journal management workshop is designed to provide journal editorial board members with the skills and knowledge needed to effectively manage a successful journal. This session will cover key topics, including how to communicate with authors, how to find and retain high-quality reviewers, and how to build a community around the journal.

`Publishing` `Columbia Libraries`

How to Publish Open Access Without Article Processing Charges

This workshop will review the basics of open access (OA) publishing and how to publish without the added cost of article processing charges (APCs). In addition to the many forms of OA publishing, this session will address how to utilize Columbia's OA publishing agreements, how to publish in the Libraries' partner journals, and other topics. This workshop is intended for graduate students, postdocs, and faculty, but all are welcome to attend.

`Publishing` `Columbia Libraries`

Introduction to Scholarly Publishing

The landscape of scholarly publishing is complex! What's peer review? What's a DOI? Why should I publish open access, and why does it cost money to do so? Is my use of images in an article considered fair use? There are many things to take into account when authors decide to publish their work. This workshop will explore topics to consider as you publish your research, resources available to Columbia affiliates, and questions that should be asked when signing publishing agreements with third parties.

`Publishing` `Columbia Libraries`

Introduction to Open Journal Systems

This is an introductory training session for Open Journal Systems (OJS), the platform used by the Libraries' Journal Publishing partners. This workshop will include an hour of instruction, followed by an hour for questions and troubleshooting partner sites. This session will address how to create and log into an account, how to update public pages, navigation menu updates, and other topics.

`Publishing` `Columbia Libraries`

Managing Risk: How to Protect Your Work and Yourself in an Open Access (OA) Landscape

For those who must "publish or perish," risk calculation and risk management are often lesser-discussed concerns within the context of scholarly publishing. All authors or creators are vulnerable, however, to theft of their work, and those working in controversial subject areas or expressing polarizing professional opinions may also need to take additional precautions to protect their personal privacy and safety. This presentation outlines critical decision points for academics concerned with managing their risk. It will address strategies that authors can use to select a mode of publication and publisher, respond to plagiarism, and protect themselves from doxing. This presentation is appropriate for researchers at any level who are publishing or otherwise sharing their work publicly.

`Publishing` `Columbia Libraries`

Onboarding for Journal Editorial Boards

Join the Libraries to discuss editorial workflows and to receive feedback on the processes in place for your journal(s). This workshop is open to existing journal partners and other Columbia affiliates who manage journals.

`Publishing` `Columbia Libraries`

Data & Open Scholarship Training

3D Printing

Join the Libraries for a practical workshop on 3D printing, tailored for participants with no prior experience. You'll learn the basics of 3D printing, including how to design simple models and operate a 3D printer. This hands-on session will help you understand how to think about 3D design, modeling, and prototyping for your academic projects. No previous knowledge is needed—just bring your curiosity!

`Data & Open Scholarship Training`   `Columbia Libraries`

Computational Thinking 101

Learn how to solve problems like a computer! In this beginner-level workshop, we'll use real-life examples and games to break problems down into smaller parts, find patterns in the pieces, and rebuild into a step-by-step solution. By the end of the workshop, we'll build an algorithm to solve a maze with a drag-and-drop programming tool.

`Data & Open Scholarship Training`   `Columbia Libraries`

Data Club

Research Data Services (RDS) presents Data Club, a collection of eight sessions to help beginning and experienced researchers in any discipline improve their skills for conducting exceptional data-driven research. The sessions are not cumulative; come only to those that you feel meet your needs. Furthermore, each session includes ample time for you to experiment with your own research data.

Introduction to Data-Driven Research
Introduction to Open Source GIS
Introduction to Python and Text Mining with TDM Studio
  and ChatGPT
Working with Large Datasets in R

Data Engineering with Pandas and Polars in Python
Using American Indian and Alaska Native Census Data
Open Source Geospatial Data Formats
Getting Access to Restricted Health Care Utilization
  Project Data

`Data & Open Scholarship Training`   `Columbia Libraries`

Data Manipulation Using Columbia's Academic Commons API

You don't have to know how to use the command line to effectively use data from APIs! Join staff from the Digital Scholarship unit for a series of workshops to explore data harvesting and manipulation using the API of Columbia's institutional repository, Academic Commons, and OpenRefine, Python, and R. This workshop is beginner-friendly; attendees should be comfortable using spreadsheet programs, such as Microsoft Excel, Google Sheets, etc.

`Data & Open Scholarship Training`   `Columbia Libraries`

Down the Lit Review Rabbit Hole

In this interactive workshop, we explore traditional and new ways to find sources for your literature reviews. You'll learn how to use academic databases, citation mining platforms, and AI-powered tools together to improve your searches. From refining your queries to finding patterns in citation networks, this workshop will help you create a tailored plan for literature reviews that fits your research goals and projects.

`Data & Open Scholarship Training`   `Columbia Libraries`
`Columbia Libraries Teachers College but open to all CU affiliates`

Exceptional Scholarship with Research Data Series: Video Modules

Exceptional Scholarship with Research Data introduces learners to the principles of structured research data management. The course prepares learners with skills to produce higher-quality research in line with contemporary standards for research reproducibility and sharing. The course is split into six modules, plus an additional session that focuses exclusively on resources available through Columbia. Though targeted to graduate students across all of the Graduate School of Arts and Sciences (GSAS), the modules are applicable to any researcher at Columbia.

Everyone Uses Research Data | Exceptional Scholarship with Research Data, Part 1

Projects Are Processes | Exceptional Scholarship with Research Data, Part 2

Handling Data Ethically | Exceptional Scholarship with Research Data, Part 3

What Is Good Data? | Exceptional Scholarship with Research Data, Part 4

Data Management Plans | Exceptional Scholarship with Research Data, Part 5

Sharing and Publishing Data | Exceptional Scholarship with Research Data, Part 6

Data & Open Scholarship Training   **Columbia Libraries**

Request a tailored instruction session for your course here: library.columbia.edu/go/instruction

Foundations for Research Computing

Foundations for Research Computing helps Columbia affiliates build computation and research skills. The program is a collaboration between the Libraries, Information Technology (CUIT), and the Office of the Executive Vice President for Research. Together, we support all researchers—no matter their experience level—by sharing workshops and resources on computer programming, research software, and cloud-based services to help you with your projects. Visit the Foundations website to see what we're offering.

Data & Open Scholarship Training   Columbia Libraries

Get to Know Your Computer

Knowing how to use your computer is one thing, but knowing how to get the most out of it is another. Why might you need more RAM or a GPU? What's the BIOS? And how does "the cloud" fit in? Whether you have a brand-new computer or you want to make the most of the one you already have, this workshop will help you answer these questions and more. We'll go into the terminology and the capabilities, limitations, and potential of your computer, whether it's a PC, Mac, Chromebook, or something else.

Data & Open Scholarship Training   Columbia Libraries

**Register for currently scheduled workshops here:
library.columbia.edu/workshops**

Git It Together: Introduction to GitHub

What is GitHub, and why does everyone keep talking about it? In this beginner-friendly workshop, we'll demystify GitHub as a platform for collaboration and version control. You'll learn how to create a repository, track your changes, and contribute to projects without needing to be a coding expert. Whether you're a coder, writer, researcher, or just curious, GitHub can be a powerful tool in your digital tool kit.

Data & Open Scholarship Training   Columbia Libraries

Introduction to NVivo: A Qualitative and Mixed-Methods Research Tool

This workshop is designed for students who are new to NVivo software for qualitative and mixed-methods research. After an overview of qualitative and mixed-methods research methods, you will learn how to organize, analyze, and visualize your data using NVivo's various built-in features. Through practical exercises, you will learn how to code structured and unstructured data, run queries, and synthesize insights from your research data. No prior experience with NVivo is necessary—bring your research questions or project proposal!

Data & Open Scholarship Training   Columbia Libraries

Request a tailored instruction session for your course here: library.columbia.edu/go/instruction

Introduction to Working with Data in OpenRefine

This workshop will introduce OpenRefine, a powerful, free open-source tool for working with messy data. OpenRefine is most useful with data in a simple tabular format—such as a spreadsheet, a comma-separated values (csv) file, or a tab-separated values (tsv) file—but with internal inconsistencies either in data formats, where data appears, or in terminology used. OpenRefine can be used to standardize and clean data across a file. Attendees should download and install OpenRefine prior to this session and should be comfortable working in spreadsheet programs like Microsoft Excel or Google Sheets; knowledge of regular expressions will be helpful, but not essential.

Data & Open Scholarship Training   Columbia Libraries

Learn How to Code: Python

The first step when learning to program can be intimidating. Where to begin? How to find tutorials? Where can you practice, and when does it become fun? In this hands-on workshop, we'll try out the basics of Python coding and introduce resources that fit your learning style. You'll code along with the instructor, ask questions along the way, and leave with next steps to continue your programming journey.

Data & Open Scholarship Training   Columbia Libraries

Learn How to Code: R

Learning R can be intimidating, but once it starts to make sense to you, it can be very powerful. In this hands-on workshop, we'll explore R and what makes it different from other programming languages. You'll code along with the instructor to learn some fundamentals, but more importantly, we'll cover tips and tricks to help you find and follow tutorials, guides, and videos to keep learning afterward.
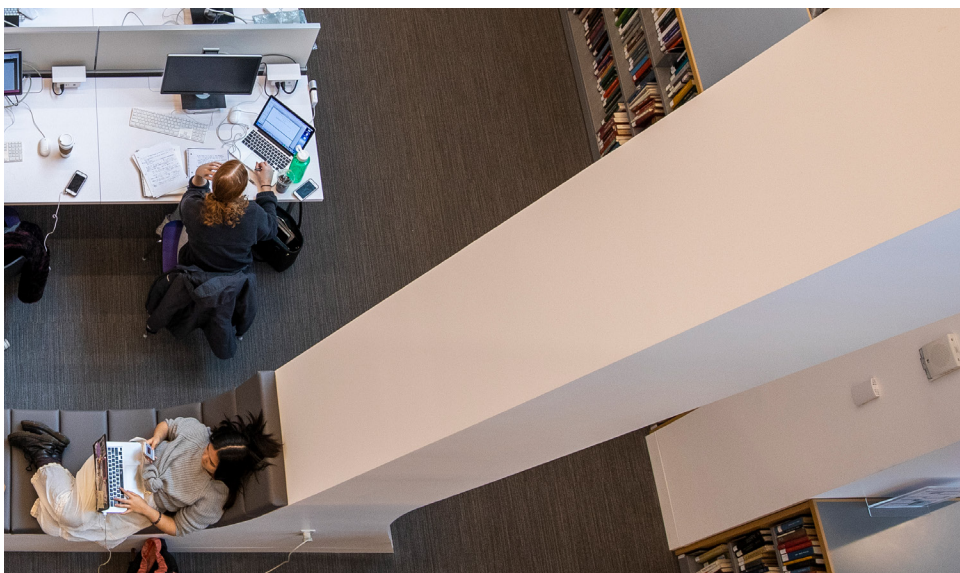
Data & Open Scholarship Training   Columbia Libraries

Machine Learning 4 Everyone

Have you ever wondered how algorithms predict what you'll buy, read, or even study next? This beginner-level workshop will explain classic machine learning concepts and methods that shape everyday decision-making and research. We won't go deep or write code; instead, we'll play with real data and a visual no-code tool to run models, make predictions, and change results. Whether you're reading scholarly work or just curious about why you get certain song, game, or movie recommendations, this workshop will give you a clearer picture of the algorithms underneath.

Data & Open Scholarship Training   Columbia Libraries

Request a tailored instruction session for your course here: library.columbia.edu/go/instruction

Music Technology Workshop Series

This workshop series from the Digital Music Lab covers topics such as recording, mixing, audio editing, sampling, digital signal processing, and more. Past sessions have also covered music software such as Audacity, Max/MSP, and Ableton Live.

Data & Open Scholarship Training   **Columbia Libraries**

Open Government Data

Learn how to efficiently navigate open government data sources. By the end of this workshop, participants will become familiar with different types of domain and agency-specific repositories for government data, understand how to access publicly available data (as well as data available through the Libraries), and gain experience in analyzing the characteristics and usability of a dataset.

Data & Open Scholarship Training   **Columbia Libraries**

Piecing It Together: Deconstructing and Interpreting Systematic Reviews

Systematic reviews are a core part of evidence-based research, but how are they made? This workshop is for graduate students who want to learn the methods and concepts that make up systematic and scoping reviews. By

deconstructing published reviews, you will gain a deeper understanding of how evidence is synthesized and learn how to critically evaluate and use these reviews in your own research.

Data & Open Scholarship Training   Columbia Libraries
Teachers College but open to all CU affiliates

Query with Confidence: Structured Query Language for Beginners

Behind almost every app, website, academic database, and social media profile is a database. In this hands-on and interactive workshop, we'll explore the most common database structure, the relational database, and learn how we get information out of it using structured query language (SQL). We'll write queries that help you merge information from different tables to ask new and different questions. By the end of this workshop, you'll understand how SQL works and why it's the most popular database language. You'll also be a better searcher, whether you're in a library database or a spreadsheet. Finally, you'll leave with ways you can keep practicing SQL on your own.

Data & Open Scholarship Training   Columbia Libraries

An R Refresher Series

If you've used R before but aren't an expert, need a refresher, or just want to level up your skills, this hands-on and interactive series is designed for you. Each session is a guided walk-through that covers a specific R package or method. We might dive into R's unique features, perform analysis together, or create re-runnable pipelines that track every change. At the end of each workshop, you'll learn a new R skill (or three), write code, and leave with tutorials and working examples you can apply to your own work!

Data & Open Scholarship Training   Columbia Libraries

R 101 for Social Scientists

R, which is free and open source, is the most widely used programming language for statistical computing and graphics. This introduction to R is designed for participants with no programming experience. The workshop starts with the building blocks to use RStudio to develop and explore the data structures available in R. We will then review basic tools for inspecting, extracting, manipulating, summarizing, and visualizing data.

Data & Open Scholarship Training   Columbia Libraries

Research Data Management: Plans and More

As using some kind of data becomes a part of research programs in more and more fields, the need for good research data management also grows more acute. In this workshop learners will be introduced to conceiving of research data as part of a cyclical process of research, the research data life cycle. They will also be introduced to specific services that Columbia provides to help manage research data.

Data & Open Scholarship Training   Columbia Libraries

Stata Refresher

This introductory workshop will address how to manage your reproducible data workflow, run descriptive statistics, and create tables and data visualizations for academic purposes using Stata.

Data & Open Scholarship Training   Columbia Libraries

Survey and Panel Data Analysis Using Stata

These workshops will provide introductions to linear and nonlinear panel data regressions and basic descriptive and inferential analysis for survey data using Stata.

Data & Open Scholarship Training   Columbia Libraries

Columbia University Libraries