



CONSTELLATE

Teach text & data analysis with Constellate

Prepare your students for a data-driven future



Who I am



Amy Kirchhoff
Constellate, Sr. Manager

Amy.Kirchhoff@ithaka.org

Who we are

Constellate is part of ITHAKA's portfolio of non-profit services, along with trusted resources like JSTOR and Portico. ITHAKA's services are all aligned around a shared mission to improve access to knowledge for people around the world as affordably and sustainably as possible.



JSTOR



CONSTELLATE



ARTSTOR



PORTICO



ITHAKA S+R

Why are text & data analysis skills important?



Nearly 97% of businesses said their companies now use data analytics

Job openings for data analysts are expected to grow by 23% between 2021 and 2031

Big data analytics is in the top 37 technologies and initiatives considered strategic to business intelligence

Almost 90% of organizations say success depends on data-driven decisions made by frontline employees

ITHAKA's journey to Constellate

We believe that data skills are essential for success in education and employment.

So, we designed a solution with a range of personal and technological components to help instructors create, sustain and scale text analysis teaching in any discipline.

Core tenets of Constellate

Teach

- Train the trainer model
- Cloud based—no local configuration and Constellate scales to classes of any size
- Ready-to-use curriculum
- Create, save, and share your own lessons

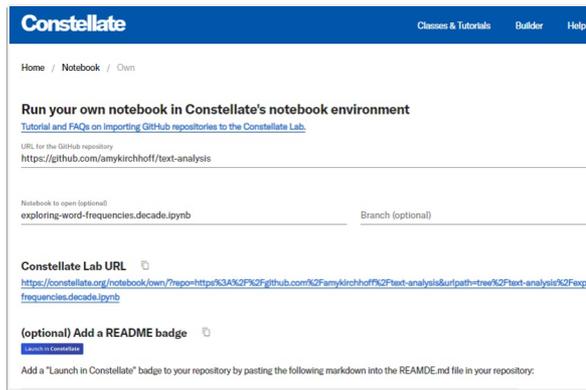
Learn

- Clear learning paths
- On-demand tutorials
- Live classes taught by experts
- Instant visualization of search results - refine ideas and form research questions
- Supportive community of users

Perform

- Build and download custom data sets from JSTOR, Portico and others for free
- Refine and analyze data with popular, open tools
- Explore your datasets with a variety of visualizations

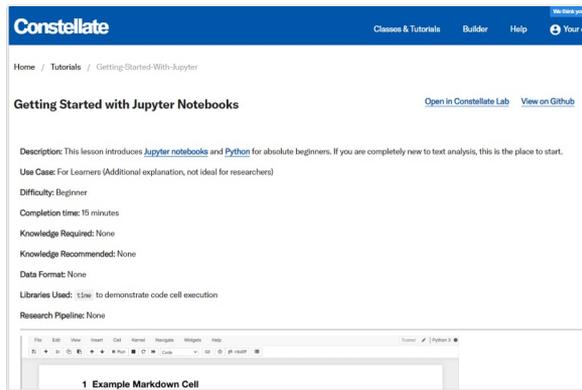
Explore Constellate



The screenshot shows the 'Own' notebook page in Constellate. The header includes 'Constellate', 'Classes & Tutorials', 'Builder', and 'Help'. The main content area is titled 'Run your own notebook in Constellate's notebook environment' and includes a link to 'Tutorial and FAQs on importing GitHub repositories to the Constellate Lab'. Below this, there is a section for 'Constellate Lab URL' with a long URL and a button to 'Launch in Constellate'. At the bottom, there is an '(optional) Add a README badge' section with instructions on how to add a badge to a repository.

Teach

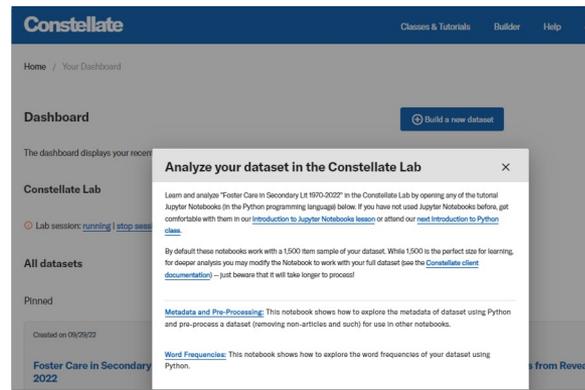
Start from your own learning materials



The screenshot shows the 'Getting Started with Jupyter Notebooks' page in Constellate. The header includes 'Constellate', 'Classes & Tutorials', 'Builder', and 'Help'. The main content area is titled 'Getting Started with Jupyter Notebooks' and includes a 'Description' section, a 'Use Case' section, and a 'Difficulty' section. Below this, there is a 'Completion time' section, a 'Knowledge Required' section, a 'Knowledge Recommended' section, a 'Data Format' section, a 'Libraries Used' section, and a 'Research Pipeline' section. At the bottom, there is a '1 Example Markdown Cell' section.

Learn

Start from Constellate learning materials



The screenshot shows the 'Dashboard' page in Constellate. The header includes 'Constellate', 'Classes & Tutorials', 'Builder', and 'Help'. The main content area is titled 'Dashboard' and includes a 'Build a new dataset' button. Below this, there is a 'Constellate Lab' section with a 'Lab session: running' indicator and a 'stop session' button. There is also an 'All datasets' section with a 'Pinned' section. A modal window titled 'Analyze your dataset in the Constellate Lab' is open, showing instructions on how to learn and analyze a dataset.

Perform

Start from a Constellate dataset

Teaching Examples



Hear from faculty:

“In my Digital History class, I include the *Introduction to Constellate* as part of my modules on text analysis. The Builder function is very handy for showing students the basics of text analysis, like n-grams and other word frequency-based visualization techniques.

Constellate is a very good entry point for students to start learning Python and get hands-on experience with more advanced methodologies, like topic modeling, when they don't necessarily have the skills to code themselves.”

Keyao “Kyle” Pan
Assistant Professor of Digital History
Florida International University

The Student Experience

In the Library



UNIVERSITY OF TORONTO LIBRARIES

WORKSHOPS

Help With... Find and Borrow Visit Us About Us

University of Toronto / LibCal / Tri-campus workshops

Constellate: A new platform to learn text analysis Online

Are you interested in analyzing large bodies of texts, or teaching text analysis learn about [Constellate](#), a new tool for text analysis. Constellate provides tools to dataset, using items from JSTOR and other collections, cleaning it, analyzing it and visualizing the results. For advanced users, or those wishing to learn Python offers customizable Python scripts along with hands-on tutorials. This session Constellate, show how to create a dataset and visualizations, and then will touch advanced options.

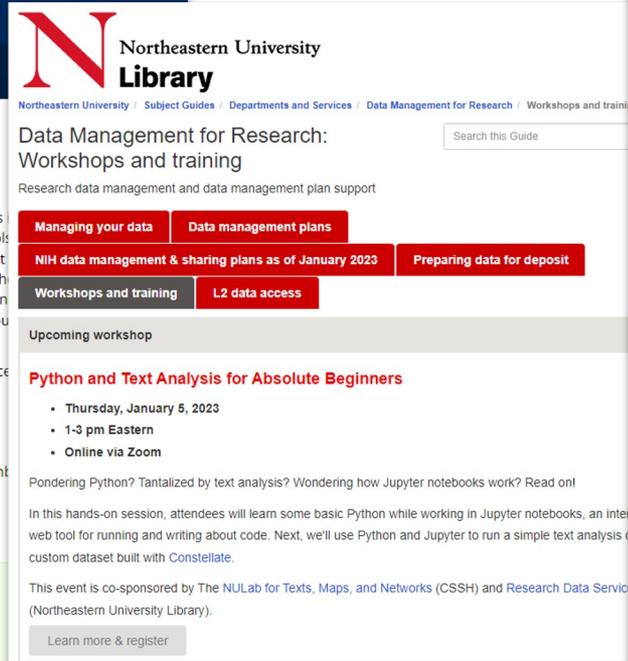
For more information about Constellate, including instructions on how to access our [guide to Constellate](#).

Also, note that Constellate will be offering three, week long classes:

- Introduction to Python (November 2-5)
- Opening, Writing, and Cleaning Data with Python (November 30-December 3)
- Text Analysis for Humanists (December 14-17)

A link to join the event online will be sent to registrants.

| | |
|--------------------|---|
| Date: | Tuesday, November 30, 2021 |
| Time: | 11:00am - 12:00pm |
| Time Zone: | Eastern Time - US & Canada (change) |
| Campus: | St. George (Downtown) Campus |
| Online: | This is an online event. Event URL will be sent via registration email. |
| Categories: | ■ Data & Statistics ■ Digital Tools ■ Programming & Software |



Northeastern University Library

Data Management for Research: Workshops and training

Research data management and data management plan support

Managing your data Data management plans

NIH data management & sharing plans as of January 2023 Preparing data for deposit

Workshops and training L2 data access

Upcoming workshop

Python and Text Analysis for Absolute Beginners

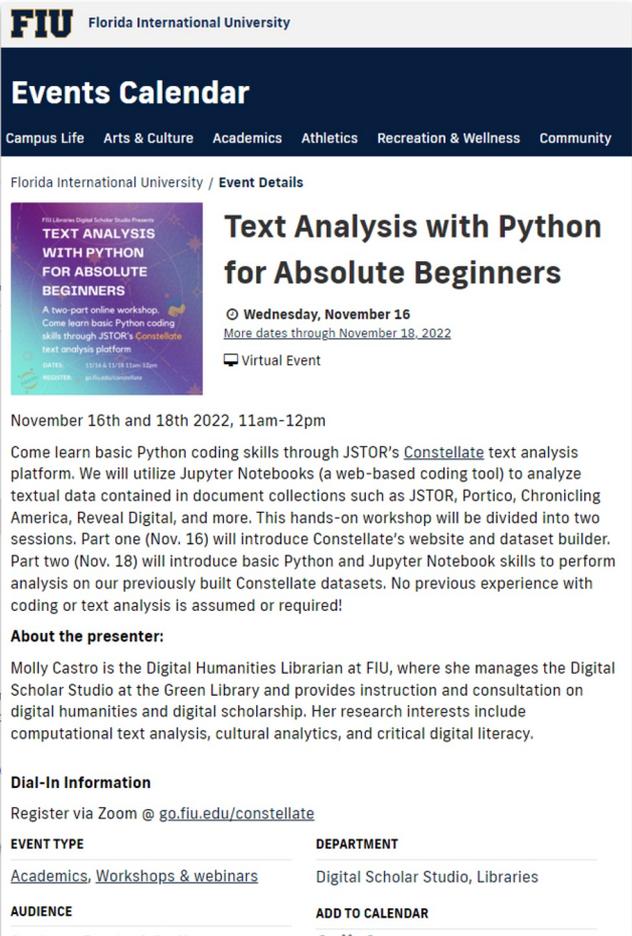
- Thursday, January 5, 2023
- 1-3 pm Eastern
- Online via Zoom

pondering Python? Tantalized by text analysis? Wondering how Jupyter notebooks work? Read on!

In this hands-on session, attendees will learn some basic Python while working in Jupyter notebooks, an internet web tool for running and writing about code. Next, we'll use Python and Jupyter to run a simple text analysis on a custom dataset built with Constellate.

This event is co-sponsored by The NULab for Texts, Maps, and Networks (CSSH) and Research Data Services (Northeastern University Library).

[Learn more & register](#)



FIU Florida International University

Events Calendar

Campus Life Arts & Culture Academics Athletics Recreation & Wellness Community

Florida International University / Event Details

Text Analysis with Python for Absolute Beginners

📅 Wednesday, November 16
[More dates through November 18, 2022](#)

🖥️ Virtual Event

November 16th and 18th 2022, 11am-12pm

Come learn basic Python coding skills through JSTOR's [Constellate](#) text analysis platform. We will utilize Jupyter Notebooks (a web-based coding tool) to analyze textual data contained in document collections such as JSTOR, Portico, Chronicling America, Reveal Digital, and more. This hands-on workshop will be divided into two sessions. Part one (Nov. 16) will introduce Constellate's website and dataset builder. Part two (Nov. 18) will introduce basic Python and Jupyter Notebook skills to perform analysis on our previously built Constellate datasets. No previous experience with coding or text analysis is assumed or required!

About the presenter:

Molly Castro is the Digital Humanities Librarian at FIU, where she manages the Digital Scholar Studio at the Green Library and provides instruction and consultation on digital humanities and digital scholarship. Her research interests include computational text analysis, cultural analytics, and critical digital literacy.

Dial-In Information

Register via Zoom @ go.fiu.edu/constellate

| EVENT TYPE | DEPARTMENT |
|---|-----------------------------------|
| Academics, Workshops & webinars | Digital Scholar Studio, Libraries |

| AUDIENCE | ADD TO CALENDAR |
|----------|-----------------|
|----------|-----------------|

Getting started



Accommodating fee structure



| Classification | Fee |
|----------------|----------|
| Very Large | \$15,000 |
| Large | \$10,000 |
| Medium | \$7,500 |
| Small | \$5,000 |
| Very Small | \$2,000 |

20% discount on the first year of participation
10% discount on the second year



CONSTELLATE

constellate.org

Amy Kirchhoff

amy.kirchhoff@ithaka.org

