

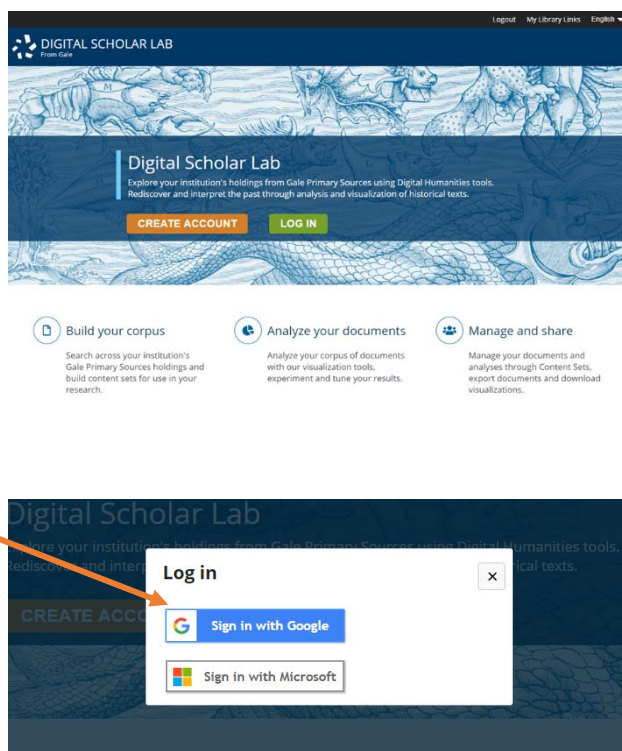


## Gale Digital Scholar Lab – Getting Started Walkthrough Guide

### Getting Started – Logging In

Your library or institution will provide you with your login link.

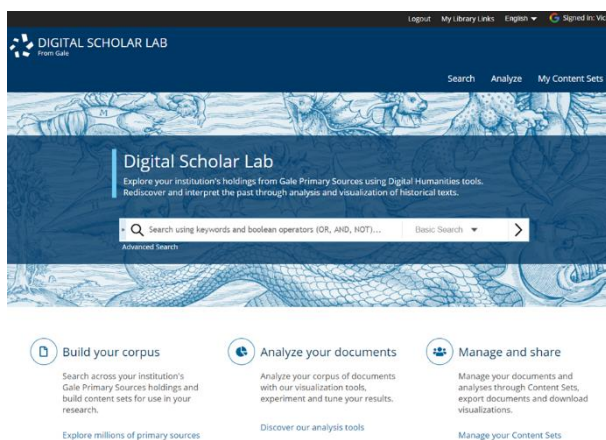
You will have the option to sign in with a Google or Microsoft Account, this is so you have a personal account whilst you are working in the Lab.



### Homepage – Overview

After you have logged in, you will arrive at this page, where you can see the main components that make up a project workflow in the Lab.

This workflow begins with building your Corpus (personalised archive or content set) through the database-style search functionality. You can continue to the analysis of your content set using a variety of text-mining analysis methods, and finally move to the desktop view where you can manage, organise and share the research accomplished in the Lab.





## Gale Digital Scholar Lab – Getting Started Walkthrough Guide

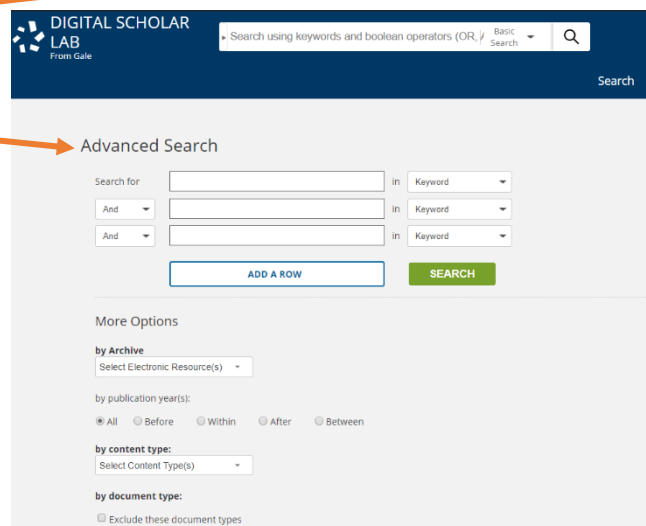
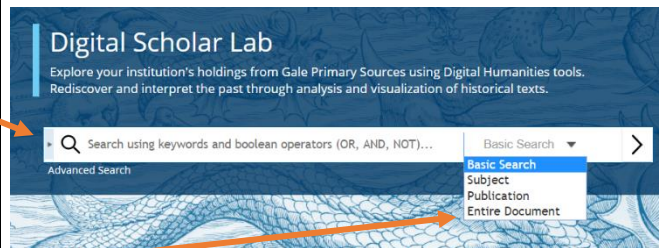
### Searching

You can begin searching from the homepage with some **basic search** options here, including a keyword search and the ability to use Boolean search terms like 'or' 'and', 'not' etc.

This dropdown menu gives the option to search by subject or publication, or an entire document.

You can navigate to the **advanced search** page for more functionality.

It's accessible from the link beneath the basic search bar, or from the header menu link.

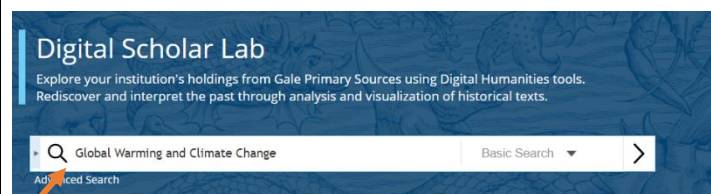


### Search: Personalised Archive Building

#### Build Your Content Set

It's easy to start building your own content sets. Gale's Primary Sources content is a cornerstone of the Lab and the ability to create personalised archives relatively quickly is what really sets it apart.

Type in a basic search term such as 'global warming and climate change' and then review your search results





## Gale Digital Scholar Lab – Getting Started Walkthrough Guide

### Search Results Page

The Search Results Page is where the process of building your own personalised archives begins.

You can see immediately how many documents have been returned in a search and scroll down to review this content.

In the search results, you can see a snapshot view of the **high-level metadata** about each document. The metadata includes many facets that you would expect to see about each document (such as the collection from where it came, the date of pub, the author)

You can also view the initial lines of OCR text for each document, as well as the OCR confidence rating.

OCR confidence is the OCR engine's own confidence in its translation. OCR confidence is not the same as OCR accuracy; a document could have high accuracy but a low confidence score, skewed, for example, by images in the document.

From this search results page in this left column, I can further limit my search by selecting relevant databases, or subjects on which I'd like to focus for my specific content set.

The screenshot shows the Gale Digital Scholar Lab interface. At the top, there's a search bar with the query "global warming and climate change" and a search button. Below the search bar, there are options for "Add to Content Set", "Remove from Content Set", and "Search History". The main content area displays "All Content (65)" and "Search Terms: Basic Search ('global warming and climate change')". There are two search results visible:

- Snaps from space check Earth's health**  
BY Mark Henderson  
OCR CONFIDENCE 73%  
NEWS NEWS Snaps from space check Earth's health Snaps from space check Earth's health By Mark Henderson Science Correspondent SCIENTISTS are assembling the most detailed map yet of the Earth's surface, using images from...
- Winter squeeze**  
BY David Marley  
OCR CONFIDENCE 67%  
Winter squeeze Winter squeeze Sir: Gary Grant's frog spawn observation (letter, 10 January) is another example of a trend towards the end of the traditional winter. Winter is being squeezed out by a longer, warmer autumn...

Each result includes a table of metadata:

ARCHIVE SOURCE LIBRARY	CONTENT TYPE DOCUMENT TYPE	PUBLICATION DATE	PUBLICATION PUBLISHER
The Times Digital Archive Times Newspapers Limited	Newspaper Article	May 7, 2005	The Times.
The Independent Digital Archive The Independent	Newspaper Editorial	January 11, 2003	The Independent.

Snaps from space check Earth's health  
BY Mark Henderson  
OCR CONFIDENCE 73%  
NEWS NEWS Snaps from space check Earth's health Snaps from space check Earth's health By Mark Henderson Science Correspondent SCIENTISTS are assembling the most detailed map yet of the Earth's surface, using images from...

ARCHIVE SOURCE LIBRARY	CONTENT TYPE DOCUMENT TYPE	PUBLICATION DATE	PUBLICATION PUBLISHER
The Times Digital Archive Times Newspapers Limited	Newspaper Article	May 7, 2005	The Times.

Winter squeeze  
BY David Marley  
OCR CONFIDENCE 67%  
Winter squeeze Winter squeeze Sir: Gary Grant's frog spawn observation (letter, 10 January) is another example of a trend towards the end of the traditional winter. Winter is being squeezed out by a longer, warmer autumn...

ARCHIVE SOURCE LIBRARY	CONTENT TYPE DOCUMENT TYPE	PUBLICATION DATE	PUBLICATION PUBLISHER
The Independent Digital Archive The Independent	Newspaper Editorial	January 11, 2003	The Independent.

Winter squeeze  
BY David Marley  
OCR CONFIDENCE 67%  
Winter squeeze Winter squeeze Sir: Gary Grant's frog spawn observation (letter, 10 January) is another example of a trend towards the end of the traditional winter. Winter is being squeezed out by a longer, warmer autumn...

Limit Search by:

Archives

- The Independent Digi... (28)
- The Times Digital Ar... (12)
- International Herald... (11)

Content Type

- Periodical (1)
- Newspaper (60)
- Manuscript (4)

Document Type

- Article (61)





## Gale Digital Scholar Lab – Getting Started Walkthrough Guide

### Doc Explorer

By clicking on the title of the document, the **Doc Explorer** page opens.

This puts up a side-by-side comparison of the original Primary Source next to the OCR text.

The Primary Source highlights the keywords used to perform the search and from where this document was derived.

DIGITAL SCHOLAR LAB  
From Gale

Search Analyze My Content Sets

< Search Results Doc Explorer Add to Content Set Cite Send to Google Drive™ Download Email Print

Bears on the front line of fight to save the planet  
BY Miles Costello  
Show Source Citation

ACTIVE CONTENT SET  
Select Content Set  
MANAGE | ANALYZE

DOC EXPLORER x

VIEWS  
Original Document Scan  
OCR Text

SEARCH WITHIN  
Search within document

RELEVANT PAGES  
40

Document Text  
OCR Confidence: 72% Learn how this text was created

Business  
Bears on the front line of fight to save the planet  
Insurer RSA says there is a commercial interest in locking north to where the effects of climate change are felt most keenly, writes Miles Costello  
Every year in late November, as the winter settles in, snow swirls and temperatures plummet, a small waterside community in northeast Canada bears witness to an environmental phenomenon. About 900 people live in Churchill, a low-rise town, much of it wooded, in the province of Manitoba on the western shores of Hudson Bay. But, as the ice begins to form that will ensure the bay is frozen over for about half of every year, a second community of a similar size makes its presence felt. They are polar bears, about 950 of them, and they will traipse past, and sometimes through, Churchill as they prepare to spend the winter feeding offshore before returning to land in the summer to mate. It is one of the few bear populations that moves annually from land to sea and back again. Its story, which unfortunately appears to be one of terminal decline, grips scientists monitoring the effects of global warming and climate change. As a result of our planet heating up, the waters of the Hudson Bay are freezing later and later each year. The bears, which have been fasting for between four and five months, are forced to remain on land for ever-increasing periods. It means that they have less time to stock up with food while they are out on the ice. An average bear should expect to take on about 200kg of body fat during the winter to sustain it during the lean summer months. According to some forecasters, the entire bear community of Churchill could die out through starvation by 2050. The Hudson could remain unassailable to them for the vast majority of the year as early as the 2020s. But the plight of the animal is also attracting businessmen, anxious with debates about how economic

Users can also see the OCR confidence level in this view, at the top of the Document Text.

By clicking on the *'learn how the OCR text was created'* link a pop-up window appears explaining what this means in more detail.

A close reading of the OCR Text and the Primary Source at this point is beneficial to researchers who can now quickly decide whether to include or exclude a document from a content set.

Document Text  
OCR Confidence: 72% Learn how this text was created

Business  
Bears on the front line of fight to save the planet  
Insurer RSA says there is a commercial interest in locking north to where the effects of climate change are felt most keenly, writes Miles Costello  
Every year in late November, as the winter settles in, snow swirls and temperatures plummet, a small waterside community in northeast Canada bears witness to an environmental phenomenon. About 900 people live in Churchill, a low-rise town, much of it wooded, in the province of Manitoba on the western shores of Hudson Bay. But, as the ice begins to form that will ensure the bay is frozen over for about half of every year, a second community of a similar size makes its presence felt. They are polar bears, about 950 of them, and they will traipse past, and sometimes through, Churchill as they prepare to spend the winter feeding offshore before returning to land in the summer to mate. It is one of the few bear populations that moves annually from land to sea and back again. Its story, which unfortunately appears to be one of terminal decline, grips scientists monitoring the effects of global warming and climate change. As a result of our planet heating up, the waters of the Hudson Bay are freezing later and later each year. The bears, which have been fasting for between four and five months, are forced to remain on land for ever-increasing periods. It means that they have less time to stock up with food while they are out on the ice. An average bear should expect to take on about 200kg of body fat during the winter to sustain it during the lean summer months. According to some forecasters, the entire bear community of Churchill could die out through starvation by 2050. The Hudson could remain unassailable to them for the vast majority of the year as early as the 2020s. But the plight of the animal is also attracting businessmen, anxious with debates about how economic

This text was generated using Optical Character Recognition (OCR). OCR is a technology that converts images of text into usable text. While the technology is good at deciphering legible text, there are limitations and some text may not have been extracted correctly.

OCR Confidence represents the OCR engine's confidence in the accuracy of the conversion from image to text. Many aspects affect the quality of the conversion including:

- Condition of the original document itself
- Type of text (handwritten vs printed)
- Year the original document was created
- Equipment used to scan the original document
- Maturity of the OCR algorithm used at the time of creation

OK





## Gale Digital Scholar Lab – Getting Started Walkthrough Guide

### Creating Content Sets

Once happy with your choice of results you can **Add to Content Set** – to populate your bespoke corpus. The messaging on each document changes to indicate that it has been added to the content set.

I can choose to add a single document, a range of documents or 'select all' to add up to 100 documents per results page.

You have the option to create a new content set or add to an existing content set. I am going to add a new content set – and create a name for it here. This now forms your collection of documents that you have curated and saved.

Each time you log in, the list of content sets will be available to work on.

I can review and edit My Content Sets at any time.

One key benefit of this is that you don't need to rebuild your corpus from scratch – you can continually refine and update if you wish. You can make copies of your content set to facilitate versioning of your research project.

The screenshot displays the Gale Digital Scholar Lab search results page for the query "global warming and climate change". The search results are filtered to show 65 items. A document titled "So Moments Won't Run Away" is highlighted, showing its metadata: ARCHIVE (International Herald Tribune), SOURCE (Historical Archive 1887-2013), LIBRARY (The New York Times Company), CONTENT TYPE (Newspaper), DOCUMENT (Article), TYPE (Newspaper), PUBLICATION (December 20, 2007), DATE (December 20, 2007), and PUBLICATION (International Herald Tribune (European Edition)).

An orange arrow points from the text "Add to Content Set" to the "Add to Content Set" button in the top right corner of the search results page. Another orange arrow points from the text "I can review and edit My Content Sets at any time." to the "My Content Sets" link in the top right corner of the search results page.

The "Create Content Set" dialog box is open, showing a "Name:" field and "Create" and "Cancel" buttons.

The "CONTENT SETS" section lists the following content sets:

- Childhood Dreams** (Edit, Copy) - QUICK STATS: Documents: 50, Archives Used: 1
- Indicators of Global Warming in Natural World** (Edit, Copy) - QUICK STATS: Documents: 14, Archives Used: 6
- Marc Chagall** (Edit, Copy) - QUICK STATS: Documents: 50, Archives Used: 6
- Wonder Woman** (Edit, Copy) - QUICK STATS: Documents: 7, Archives Used: 2

The Digital Scholar Lab logo is visible in the bottom left corner of the screenshot.

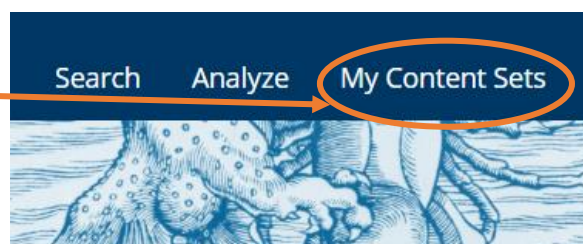




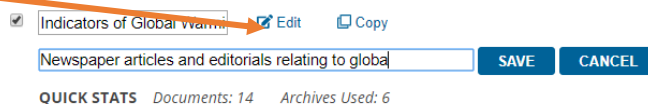
## Gale Digital Scholar Lab – Getting Started Walkthrough Guide

### Editing My Content Sets

To edit a content set you can access your saved work from 'My Content Sets' here in the header.



By clicking on the edit button, you can change a content set name, and add a description. You can continue to curate your content set by adding or deleting documents through the search function, preparing the material to move forward to the analysis and visualisation process.



### The Dashboard View

Clicking on the name of a Content Set will bring up this dashboard view.

The **Overview** tab gives a useful summary of

- Archives Used
- Document Type
- Authors
- Source Libraries

You also have the option to **download** your content set here

Indicators of Global Warming in the Natural World [DOWNLOAD](#)

Newspaper articles and editorials relating to global warming.

**Overview** Documents (21) Analyses Search History

#### ARCHIVES USED (6)

The Times Digital Archive (8)  
The Independent Digital Archive (8)  
Daily Mail Historical Archive, 1896-2004 (1)  
The Sunday Times Digital Archive (1)  
International Herald Tribune Historical Archive 1887-2013 (1)

[View More](#)

#### DOCUMENT TYPE (2)

Article (20)  
Editorial (1)

#### AUTHORS (17)

Michael McCarthy (2)  
Lewis Smith (2)  
Matthew Beard (1)  
Mark Nigel Henderson Hawkes (1)  
Miles Costello (1)

[View More](#)

#### SOURCE LIBRARIES (5)

Times Newspapers Limited (10)  
The Independent (8)  
Associated Newspapers Limited (1)  
The New York Times Company (1)  
Telegraph Media Group (1)





# Gale Digital Scholar Lab – Getting Started Walkthrough Guide

## The Dashboard View Continued

By clicking on the download button, you generate the process of this functionality. This pop-up window will open – which explains in more detail the parameters on downloading.

You need to refresh your browser for a status update, once ready the download button will change to say 'download ready'

By clicking on this you will get a similar message as before, saying that you can download up to 1,000 documents per session, but also have the option to click on a green download button. This will download the **OCR text** for each document as a zip file

Name	Type	Modified	Size	Ratio	Packed	Pa
Bears_on_the_Front_of_050431101.txt	Text Document	22/10/2018 06:07	6,344	53%	2,969	
Bizarre_Antarctic_0505156849.txt	Text Document	22/10/2018 06:07	3,288	52%	1,594	
Botanists_monitor_05051947524.txt	Text Document	22/10/2018 06:07	3,566	52%	1,707	
Butterflies_find_war_00700991067.txt	Text Document	22/10/2018 06:07	2,422	48%	1,254	
Climate_change_bring_05033803766.txt	Text Document	22/10/2018 06:07	3,110	50%	1,566	
Climate_change_devis_04202267047.txt	Text Document	22/10/2018 06:07	5,652	51%	2,794	
Climate_change_in_04203090874.txt	Text Document	22/10/2018 06:07	1,124	46%	619	
Climate_change_arsak_04202265100.txt	Text Document	22/10/2018 06:07	2,750	51%	1,347	
Grasshoppers_are_rec_05053744740.txt	Text Document	22/10/2018 06:07	3,803	54%	1,755	
In_Kenya_Birds_as_a_LGRUW_073333275.txt	Text Document	22/10/2018 06:07	8,872	54%	4,077	
More_fish_from_the_M_011802989595.txt	Text Document	22/10/2018 06:07	2,043	48%	1,033	
Mosquitoes_found_in_042032530763.txt	Text Document	22/10/2018 06:07	1,774	49%	903	
Moths_feel_the_heat_05052997427.txt	Text Document	22/10/2018 06:07	1,040	41%	613	
Natural_Highs_on_the_VKH_01028740835.txt	Text Document	22/10/2018 06:07	7,957	51%	3,913	
Remote_Forests_show_05030860785.txt	Text Document	22/10/2018 06:07	4,926	53%	2,319	
The_Top_10_Natural_H_042022567942.txt	Text Document	22/10/2018 06:07	8,597	54%	3,878	
Tropical_seabirds_ar_04203054328.txt	Text Document	22/10/2018 06:07	2,266	48%	1,180	
Wildlife_brings_warm_05051044718.txt	Text Document	22/10/2018 06:07	4,183	53%	1,979	
Winter_squeeze_042016055742.txt	Text Document	22/10/2018 06:07	1,250	46%	681	

The **Document** tab lists each document in the content set, with links to the Doc Explorer view, and detailed metadata about each piece of work.

It's possible to narrow the range of displayed documents by selecting from a range of limiters.

### Download Content Set

Users may download up to 1,000 documents per session from a selected content set. A sampling of 1,000 documents will be selected for download for content sets that contain more than this threshold. Because of the size, a zip file must first be generated and may take a few minutes.

#### CONTENT SET

Indicators of Global Warming in the Natural World

Document count: **21**

Your download is being generated. Please refresh your browser for a status update.

By clicking null you agree to the [terms of use](#) for this content as agreed to by your licensed institution.

**DOWNLOAD READY**

### Download Content Set

Users may download up to 1,000 documents per session from a selected content set. A sampling of 1,000 documents will be selected for download for content sets that contain more than this threshold. Because of the size, a zip file must first be generated and may take a few minutes.

**Download**

Last generated: **Mon Oct 22 06:04:18 EDT 2018**

Document count: **21**

#### CONTENT SET

Indicators of Global Warming in the Natural World

Document count: **21**

**REGENERATE DOWNLOAD**

By clicking Regenerate Download you agree to the [terms of use](#) for this content as agreed to by your licensed institution.

### Indicators of Global Warming in the Natural World **DOWNLOAD READY**

Newspaper articles and editorials relating to global warming

**Overview** Documents (21) Analyses Search History

#### Archive

The Times Digital Archive (3)

The Independent Digital Archive (5)

Daily Mail Historical Archive 1996-2004 (1)

#### Document Type

Article (10)

Editorial (1)

#### Author

Michael McCarthy (2)

Lewis Smith (2)

Matthew Beard (1)

#### Source Library

Times Newspapers Limited (10)

The Independent (6)

Associated Newspapers Limited (1)

#### Select all on page

#### Winter squeeze

BY David Markay

OCR CONFIDENCE 67%

Winter squeeze: Water squeezer Sir Gary Cooper's frog spawn observation

(letter, 10 January) is another example of a trend towards the end of the

traditional winter. Winter is being squeezed out by a longer, warmer

season...

ARCHIVE The Independent Digital Archive

SOURCE The Independent

LIBRARY Newspaper

CONTENT Editorial

TYPE

DOCUMENT

TYPE

PUBLICATION

DATE January 11, 2003

PUBLICATION

THE Independent

#### Climate change hits fauna

BY Steve Connor

OCR CONFIDENCE 62%

Climate change hits fauna Climate change hits fauna GLOBAL warming

appears to have caused the first significant changes to the flora and fauna

of Britain, scientists said yesterday, writes Steve Connor. One study found,

ARCHIVE The Independent Digital Archive

SOURCE The Independent

LIBRARY Newspaper

CONTENT Article

TYPE

DOCUMENT

TYPE

PUBLICATION

DATE January 25, 1992





## Gale Digital Scholar Lab – Getting Started Walkthrough Guide

### Analyze

The Analyze stage is where you build and iterate on your visualizations. This is where you match your content set with the analytical tools you want to run against your archive.

You can navigate to the Analyze page from the search results page when you're building your content set, or by selecting the link in the navigation window.

Once you've selected the content set to analyze, you begin by selecting the analysis methods you want to run against your content set by clicking on the green **Add Tool** button.

This brings up a list of tools that are in the Lab.

We have provided a user-friendly tool description for each analysis method. It explains what the tool does and why it might be useful.

The **Learn More** link takes you to the source documentation to learn more about each specific algorithm.

ANALYZE

CONTENT SET

Indicators of Global Warming in the Natural World ▾

Get started by adding an Analysis Tool

ADD TOOL

#### Analysis Tools

##### Clustering

Clustering analyzes the documents from a content set using statistical measures and methods to group them around particular features or attributes. This implementation of clustering leverages the k-means algorithm to create clusters of documents according to similar words contained within each document of your content set. [LEARN MORE](#)

ADD

##### EXAMPLE OUTPUTS



##### Named Entity Recognition

Named Entity Recognition (NER) recognizes and extracts proper and common nouns from documents using a Parts of Speech tagging method, and outputs them as lists of grouped by entity "type". Some "entity types" available for extraction are: people (including fictional), groups (nationalities, religious, or political), organizations (companies, agencies, institutions, etc.), locations (countries, states, cities), products (objects, vehicles, foods, etc.), works of art (titles of books, songs, etc.), dates (absolute or relative dates or periods), among others. This implementation uses spaCy's Named Entity Recognition model. [LEARN MORE](#)

ADD

##### EXAMPLE OUTPUTS







## Gale Digital Scholar Lab – Getting Started Walkthrough Guide

### Analyse Continued...

Once you've selected the tools by clicking the add button, you navigate back to the Analysis Page. I will now run my analysis by selecting all the tools and pressing the **Run Selected** icon.

You can see the **run status** for each tool, which will change as it processes.

You can **configure** each tool as well. Most of the analysis tools are customisable, allowing users to set the tool up to their own specifications. All tools have a default configuration to complement the method, so all users can generate an analysis, no matter their level of experience.

A **run history** allows you to regenerate any analysis previously run

If you want to toggle between different configuration settings to see how the results differ, you can do so. Finally, you are presented with a thumbnail icon that represents the output types you can expect from each analysis.

**ANALYZE**

CONTENT SET: Indicators of Global Warming in the Natural World

Analysis (6)

Tool	RUN STATUS	CONFIGURATION	RUN HISTORY	ANALYSES
Parts of Speech Tagger	Added	No Configuration	Mon Oct 22 06:57:49 EDT 20*	Tabular Data, Series View
Ngram	Added	View Configuration	Mon Oct 22 06:57:47 EDT 20*	Tabular Data, Word Cloud
Sentiment Analysis	Added	No Configuration	Mon Oct 22 06:57:46 EDT 20*	Tabular Data, Time Series
Named Entity Recognition	Added	No Configuration	Mon Oct 22 06:57:46 EDT 20*	Tabular Data

**Run In Progress** Tools: 2 In Progress | 7 Completed | Status updates happen every minute

Tool	RUN STATUS	CONFIGURATION	RUN HISTORY	ANALYSES
Parts of Speech Tagger	Completed	No Configuration	Mon Oct 22 07:51:20 EDT 20*	Tabular Data, Series View
Ngram	Completed	View Configuration	Mon Oct 22 07:51:20 EDT 20*	Tabular Data, Word Cloud
Sentiment Analysis	Completed	No Configuration	Mon Oct 22 07:51:20 EDT 20*	Tabular Data

**Run Completed** Tools: 11 Completed

Tool	RUN STATUS	CONFIGURATION	RUN HISTORY	ANALYSES
Parts of Speech Tagger	Completed	No Configuration	Mon Oct 22 07:51:20 EDT 20*	Tabular Data, Series View
Ngram	Completed	View Configuration	Mon Oct 22 07:51:20 EDT 20*	Tabular Data, Word Cloud
Sentiment Analysis	Completed	No Configuration	Mon Oct 22 07:51:20 EDT 20*	Tabular Data, Time Series
Named Entity Recognition	Completed	No Configuration	Mon Oct 22 07:51:20 EDT 20*	Hierarchical Tree, Tabular Data





# Gale Digital Scholar Lab – Getting Started Walkthrough Guide

## Tools

By clicking on the name of each tool, you can see the visualisations rendered by your analysis.

Clicking the tool name for each analysis method opens the Explorer view for that specific tool. The Explorer view allows you to see what types of visual outputs have been rendered by each analysis.

### Analysis (6)

Select All

Parts of Speech Tagger

Ngram

Sentiment Analysis

Named Entity Recognition

Topic Modelling

## Explorer View

All tools contain a link to a Tool Description, which in itself contains a link to the underlying analysis software.

As an example, if you click on the **Ngram** tool you will see the visualisation options that are available for the tool, on the LH side, as well as accessing the tabular data for each.

Options to configure the tool are in the main pane.

In this instance I have amended my **Ngram Size** to a min of 5 and have decided to select the Word Cloud visualisation option.





# Gale Digital Scholar Lab – Getting Started Walkthrough Guide

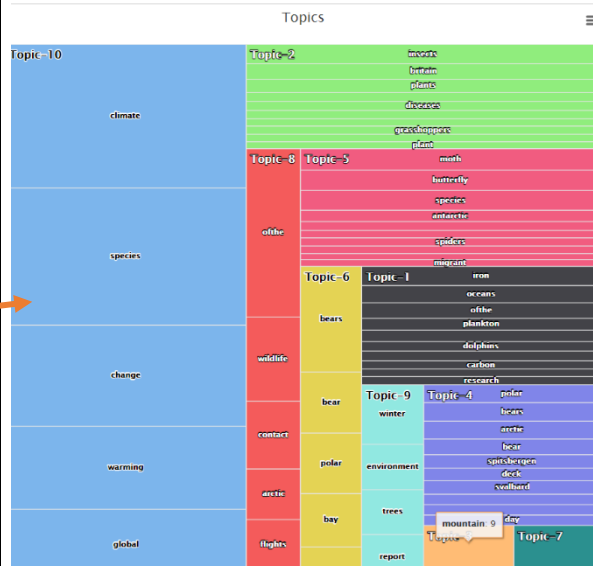
## Explorer View & Tools Continued...

You can return to your Analyze page to view a different set of visualisations using another tool.

If you select the **Topic Modelling** tool you will see that there are various layers of visualisation available.

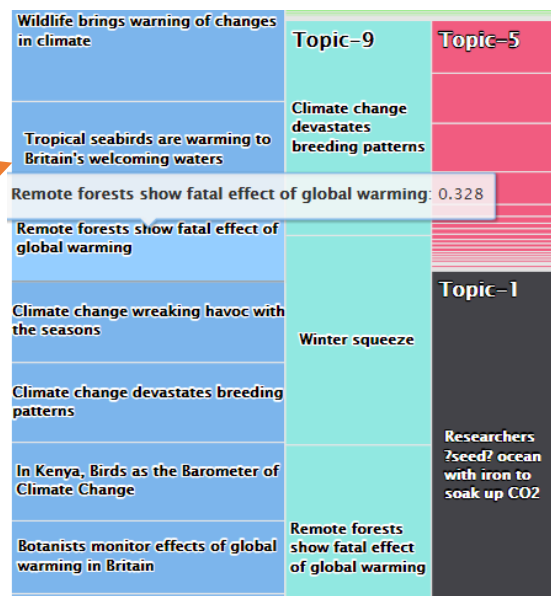
For example, the visualisation on the right shows the **Tree Map** under the **Topic** level

You can also select visualisations at the Topic-Documents, Document-Topics, Topic Word Count and Network level



The Topic-Documents Tree Map visualisation has the added benefit of linking you back to a specific document in your content set – so if you wanted to read the primary source or check the OCR text of a document you can do so.

Here you can click on the title of the document and then click on the white pop up box that returns you to the **Doc Explorer** view





# Gale Digital Scholar Lab – Getting Started Walkthrough Guide

## The Dashboard View Continued

The **Analyses** part of the Dashboard View makes more sense now you have used the Analysis Tools.

By clicking here users will return to the results of their data analyses using the Lab's text mining tools.

Finally, the Dashboard view contains a **Search History** tab. This lists all the searches that have been made in order to create your content set. You can link to these search results pages with a single click, to continually refine and update **your content set**.

Indicators of Global Warming in the Natural World [DOWNLOAD READY](#)

Newspaper articles and editorials relating to global warming.

[Overview](#) [Documents \(124\)](#) [Analyses](#) [Search History](#)

**ARCHIVES USED (12)**

- The Independent Digital Archive (59)
- The Times Digital Archive (53)
- The Sunday Times Digital Archive (6)
- The Telegraph Historical Archive (5)
- Daily Mail Historical Archive, 1896-2004 (4)

[View More](#)

**DOCUMENT TYPE (7)**

- Article (112)
- Essay (5)
- Editorial (3)
- Letter to the editor (2)
- Conference news (1)

[View More](#)

**AUTHORS (76)**

- Steve Connor, Science Editor (7)
- Lewis Smith (7)
- Michael McCarthy, Environment Editor (7)
- Michael McCarthy (5)
- Nick Nuttall (2)

[View More](#)

**SOURCE LIBRARIES (12)**

- The Independent (59)
- Times Newspapers Limited (40)
- Telegraph Media Group (5)
- Associated Newspapers Limited (4)
- The New York Times Company (4)

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**Clustering**

Tabular Data Scatter Plot

**Named Entity Recognition**

Hierarchical Tree Tabular Data

**Ngram**

Tabular Data Word Cloud Bar Chart

**Parts of Speech Tagger**

Tabular Data Series View

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SEARCH	RESULTS	DOCS ADDED	TIMESTAMP
<input type="checkbox"/> Basic Search ("global warming and climate change")	65	5	Thu Oct 18 09:46:11 EDT 2018
<input type="checkbox"/> Basic Search (insects And climate change)	10,870	88	Mon Oct 22 09:40:28 EDT 2018
<input type="checkbox"/> Basic Search (insects And climate change) LIMITS: Publication Date (Jan 01, 1990 - Sep 30, 2018)	831	15	Mon Oct 22 09:43:54 EDT 2018
<input type="checkbox"/> Basic Search ("effects of global warming") LIMITS: Entire Document (creatures)	26	7	Thu Oct 18 09:50:05 EDT 2018
<input type="checkbox"/> Basic Search (insects And climate change )	10,870	7	Mon Oct 22 05:55:42 EDT 2018
<input type="checkbox"/> Basic Search ("effects of global warming")	621	1	Thu Oct 18 09:48:27 EDT 2018

