Library Instruction Session

Course: Meteorology/ Climatology
GEOG 117 - 001 Spring 2022
Instructor: Laura Rosales-Lagarde
Librarian: Alena Principato
alena.principato@nsc.edu
Assignment: Climate Change Resilience Project

- Use either a story from the Common Read, a news article, an Earth Observatory image, EOS article or a case study from the Climate Resilience Tools as a prompt for the project.
- Once the main topic is approved, you will be doing literature research to document the topic, assuring through the CRAAP test that your sources are reliable.
- You should be able to demonstrate in the final product:
  - the difference between the climate and the weather at that particular location
  - main characteristics of the environment and the community at this location
  - how climate change has exacerbated the issues experienced
  - either the exploration of possible ways or the possible ways in which the community is becoming or is planning to become more resilient (mitigation or adaptation to these changes)
Objectives

As a result of today’s session, you will be able to:

● Define the characteristics of a reliable source
● Use the CRAAP test to assess the quality of an information source
Common Read

*Tales of Two Planets* is available to borrow for free from the Marydean Martin Library!

[View all library copies here](#) or use the direct links below. All book formats may be checked out for a 3-week period with renewals subject to availability.

- Ebook
- Audiobook
- Physical books: Multiple copies are available to borrow from the library service desk on the 2nd floor of the Rogers Student Center (RSC) building.
<table>
<thead>
<tr>
<th>Country</th>
<th>Author</th>
<th>Story Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Iceland</td>
<td>Andri Snær Magnason</td>
<td>Drowning in Reverse</td>
</tr>
<tr>
<td>India</td>
<td>Anuradha Roy</td>
<td>Tracking the Rain</td>
</tr>
<tr>
<td>Canada</td>
<td>Margaret Atwood</td>
<td>Riachuelo</td>
</tr>
<tr>
<td>Argentina</td>
<td>Mariana Enriquez</td>
<td>Dusk</td>
</tr>
<tr>
<td>United States</td>
<td>Lauren Groff</td>
<td>From Teotwawki</td>
</tr>
<tr>
<td>Denmark</td>
<td>Lars Skinnebach</td>
<td>Survival</td>
</tr>
<tr>
<td>Japan</td>
<td>Sayaka Murata</td>
<td>The Astronomical Cost of Clean Air in Bangkok</td>
</tr>
<tr>
<td>Argentina</td>
<td>Juan Miguel Álvarez</td>
<td>The Floods</td>
</tr>
<tr>
<td>United States</td>
<td>Mohammad Hanif</td>
<td>Born Stranger</td>
</tr>
<tr>
<td>Turkey</td>
<td>Burhan Sönmez</td>
<td>In This Phase in the 58Th American Presidentiad</td>
</tr>
<tr>
<td>United States</td>
<td>Lawrence Joseph</td>
<td>The Storytellers of the Earth</td>
</tr>
<tr>
<td>Eritrea/Ethiopia/Sudan/Britain/Belgium</td>
<td>Sulaiman Addonia</td>
<td>The House of Osiris</td>
</tr>
<tr>
<td>Egypt</td>
<td>Yasmine El Rashidt</td>
<td>A Calypso</td>
</tr>
<tr>
<td>Libya/United States</td>
<td>Khaled Mattawa</td>
<td>Cavern</td>
</tr>
<tr>
<td>Nigeria</td>
<td>Chinelo Okparanta</td>
<td>The Unfortunate Place</td>
</tr>
<tr>
<td>Bangladesh</td>
<td>Tmhima Anam</td>
<td>Everything</td>
</tr>
<tr>
<td>England</td>
<td>Daisy Johnson</td>
<td>The Funniest</td>
</tr>
<tr>
<td>Lebanon</td>
<td>Lina Mounzer</td>
<td>You Ever Heard</td>
</tr>
<tr>
<td>Haiti</td>
<td>Edwidge Danticat</td>
<td>Recording Is His Priority: On The Photographs of Lu Guan</td>
</tr>
<tr>
<td>China</td>
<td>Ian Teh</td>
<td>China</td>
</tr>
<tr>
<td>Guatemala</td>
<td>Eduardo Halfon</td>
<td>The Song of the Fireflies</td>
</tr>
<tr>
<td>Burundi</td>
<td>Gaël Faye</td>
<td>The Rains</td>
</tr>
<tr>
<td>Hawai‘i</td>
<td>Ligaya Mishan</td>
<td>The Well</td>
</tr>
<tr>
<td>Indonesia</td>
<td>Eka Kurniawan</td>
<td>A Blue Mormon Finds Himself</td>
</tr>
<tr>
<td>India</td>
<td>Tishani Doshi</td>
<td>among Common Emigrants</td>
</tr>
<tr>
<td>Falling River, Concrete City</td>
<td>Billy Kahora</td>
<td>Kenya</td>
</tr>
<tr>
<td>Kenya</td>
<td>Raja Shehadeh</td>
<td>That House</td>
</tr>
<tr>
<td>Palestine</td>
<td>Penny Johnson</td>
<td>Aotearoa/New Zealand</td>
</tr>
<tr>
<td>Taj Tibbie</td>
<td>Hawaiki Aotearoa/New Zealand</td>
<td>Taj Tibble</td>
</tr>
<tr>
<td>Caribbean</td>
<td>Bruno</td>
<td>Sienna Leone</td>
</tr>
<tr>
<td>Mexico</td>
<td>Diego Enrique Osorno</td>
<td>Sick World</td>
</tr>
<tr>
<td>Unified States</td>
<td>Joy Williams</td>
<td>Coral Watch</td>
</tr>
<tr>
<td>Jamaica</td>
<td>Ishion Hutchinson</td>
<td>On the Organic Diversity of Literature: Notes from My</td>
</tr>
<tr>
<td>Aotearoa/New Zealand</td>
<td>Tayi Tibble</td>
<td>Little Astrophysical Observatory</td>
</tr>
<tr>
<td>Korea</td>
<td>Krys Lee</td>
<td>The Imperiled South</td>
</tr>
</tbody>
</table>
Example Topic: Climate Change in Bangladesh

Inspired by “The Unfortunate Place” (Tales of Two Planets p. 119-121):

- “The country was battered by the worst combination of natural and human-made disasters: floods, cyclones, famine, war.”
- “Because it was located on the edge of the sea and made up of low-lying delta, when the sea rose, which it inevitably would, it would eat her country first.”
- “The floods and the droughts and the cyclones—they were used to those. They had built shelters and learned to irrigate lands in unusual ways.”
Where would you go to find more information on this topic?

How would you determine whether a source is reliable?
CRAAP Test

**Currency:** The timeliness of the information.
- When was the information published or posted?
- Has the information been revised or updated?
- Does your topic require current information, or will older sources work as well?
- If on the web, are the links functional?

**Relevance:** The importance of the information for your needs.
- Does the information relate to your topic or answer your question?
- Who is the intended audience?
- Is the information at an appropriate level (i.e., not too elementary or advanced for your needs)?
- Have you looked at a variety of sources before determining this is one you will use?
- Would you be comfortable citing this source in your research paper?

**Authority:** The source of the information.
- Who is the author/publisher/source/sponsor?
- What are the author's credentials or organizational affiliations?
- Is the author qualified to write on the topic?
- Is there contact information, such as a publisher or email address?
- If on the web, does the URL reveal anything about the author or source?
  Examples: com.edu.gov.org.net

**Accuracy:** The reliability, truthfulness and correctness of the content.
- Where does the information come from?
- Is the information supported by evidence?
- Has the information been reviewed or refereed?
- Can you verify any of the information in another source or from personal knowledge?
- Does the language or tone seem unbiased and free of emotion?
- Are there spelling, grammar or typographical errors?

**Purpose:** The reason the information exists.
- What is the purpose of the Information? Is it to inform, teach, sell, entertain or persuade?
- Do the authors/sponsors make their intentions or purpose clear?
- Is the information fact, opinion or propaganda?
- Does the point of view appear objective and impartial?
- Are there political, ideological, cultural, religious, institutional or personal biases?
Example: Use the CRAAP Test to Evaluate source quality

**Floods in India and Bangladesh**
Source: NASA Earth Observatory – earthobservatory.nasa.gov

**Currency** - The timeliness of the information

**Relevance** - The importance of the information for your needs

**Authority** - The source of the information

**Accuracy** - The reliability, truthfulness and correctness of the content

**Purpose** - The reason the information exists
Using the CRAAP Test- Example
Is this a credible source? Why or why not?

Currency: Ashley, Hana
- Published: August 6th, 2003 by NASA GSFC
- The information has not been updated or revised because at the top of the page there is a popup saying the page contains archived content
- The topic does not have current information. Two out of three of the sources have been updated.
- The links are functional!

RELEVANCE: Koral, Aiden, Ebduy
- Has information that can be easily interpreted
- Relates to our topic as it shows the floods occurring in Bangladesh
- Would cite as source because the cite is from a trustworthy organization.
- Intended audience is people who are interested in the floods in India and Bangladesh

AUTHORITY: Diedrick & Maria
- Jesse Allen (works for NASA)
- The publisher provides their email address and other websites such as their social media.
Using the CRAAP Test- Example
Is this a credible source? Why or why not?

ACCURACY: Lilac, Cashya & Idalia
- NASA Earth Observatory
- .gov = federal government site
- Contact through social media
- Evidence with satellite pictures of flooding
- Can verify the info with other sources
- Info comes from MODIS rapid response team
- Language unbiased and no spelling or grammatical errors

PURPOSE: Ricky, Lucas & Yazy
- Informational observation of the low-lying watershed of the Ganges delta region over time
- There are no biases, the point of view is objective.
Group Activity: Analyzing a News Source

Your group will be given an information source to evaluate.

Use the CRAAP Test to evaluate the source (focusing on authority, accuracy, and purpose).

Then, decide where the source falls on the chart in terms of reliability.
1) **Global warming statistically insignificant:**
Climate emergency is imaginary

2) **Climate change adaptation puts Patagonian penguins in peril**

3) **How Climate Change Alarmism Has Turned Into Pure Fantasy**

4) **As States Move to Electrify Their Fleets, Activists Demand Greater Environmental Justice Focus**

**Group Assignments**

1) Lilac, Cashya, Idalia

2) Ricky, Lucas, Yazy

3) Koral, Aiden, Ebduy

4) Ashley, Hana, Diedrick, Maria
Where does your source fall on the chart? Be prepared to explain.
Media Bias Chart

- Rates the news for reliability & political bias
- Static chart
- Interactive chart
- Ad Fontes Media

Methodology - Ratings based on:
- Expression
- Veracity
- Headlines and graphics
- Language
- Political Position
- Comparison

Licensed for social media sharing only—Fully licensed copies and interactive chart at:
adfontesmedia.com

Copyright © 2022 Ad Fontes Media, Inc. | Methodology and 1400+ web, tv, and podcast sources at adfontesmedia.com | Twitter: @adfontesmedia
Context for Journalism & Media Outlets
Journalist Mindset

- Take a skeptical approach
- No one-source stories
- Fact check
  - Snopes | PolitiFact | FactCheck.org
High-quality news is written by professional journalists who adhere to ethical guidelines for gathering and writing the news.

Society of Professional Journalists Code of Ethics includes:

- Seek truth and report it
- Minimize harm
- Act independently
- Be accountable and transparent

You can find the Code of Ethics for NPR, New York Times, and other news outlets.
Places to look for news
Google News Tips

Google a topic then select the News tab, or...

Go to news.google.com and browse topics.
Library Newspaper Guide

See a list of all library-provided news sources at:

nsc.libguides.com/newspapers

Tip: Navigate to Current News for more information about each newspaper listed

Complete access to the New York Times.com website, including full access to New York Times content, breaking news, and more.

After registering for an account through the library you can go directly to NYTimes.com and sign in, or download the mobile app for access.

Tip: Navigate to Science > Environment

https://nsc.libguides.com/nytimes
Library Newspaper Access: Washington Post

Current access to The Washington Post which is a major American daily newspaper published in Washington, D.C.

You must use the library link for access.

**Tip: Navigate to Sections > Climate & Environment, Climate Solutions**

[https://nsc.libguides.com/washingtonpost](https://nsc.libguides.com/washingtonpost)
Next Steps: Getting started with exploring your topic (next class)

- Identify a topic of interest using a story from the Common Read, a news article, an Earth Observatory image, EOS or a case study from the Climate Resilience Tools
- Search for information on the topic using the library, a web search, or news site of your choice
- Evaluate the sources you find using the CRAAP test
Give feedback on today’s session: bit.ly/studentlibrarysurvey

- Course Code: GEOG 117-01
- Instructor Name: Laura Rosales-Lagarde
- Librarian Name: Alena Principato