



A to Zines: Creative Approaches to Data Literacy

Public Library Association
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A bit about me...



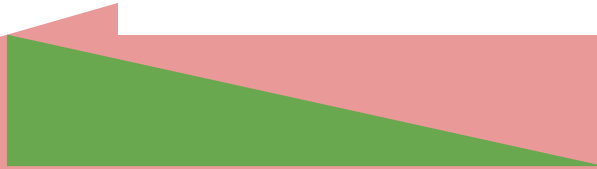
Civic Information Services at Carnegie Library of Pittsburgh

When: 2017

Where: Carnegie Library of Pittsburgh - Main Branch

Who: Civic Information Services Department (interns and Data Manager)

Why:

- Use data to help patrons feel connected to their community and enact change
 - Create spaces where people can explore, question, and challenge data
 - Build awareness of the data people create and how to protect it
 - Engage patrons of all ages in data conversations
- 

Civic Data Zine Workshop



Setting: Labs Summer Intensives

Audience: Teens

Timeframe: One week

Partner: PublicSource

Origin: MLIS project





Woah woah woah...what's a zine?



So...why zines?

Curriculum

Big Goals:

- ...identify data as it impacts our everyday lives;
- ...think critically about data;
- ...practice storytelling using data;
- ...examine a personal, civic, or national issue through the lens of data
- ...create a Data Zine that documents not only our findings, but our process.

Curriculum

Smaller Goals:

I LEARNED

- ...a new skill, dataset, or resource
- ...more about my community

I MADE

- ...a Data Zine
- ...discoveries in data

I HELPED

- ...my community through civic data

Requirements

In order to be a Data Zine, each zine must include:

- A graph, chart, or some other form of data visualization
- A survey, interview, or some other form of qualitative data
- A map of some kind
- Our finding process
- Any sources we used

CIVIC DATA FIELD GUIDE



STEP ONE ASK A QUESTION!

- what's something you've always been curious about?
- is there anything you want to investigate?
- think about a change you'd like to see, or something that confuses you.

does my state allow early voting?

who takes care of my city's parks?

why do stoplights not placed where they do?

i want to know more about my city's animal control!

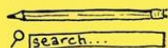
How-to



STEP TWO DO SOME DIGGING!

YOU MIGHT START BY:

- searching local database repositories...
- calling your representatives...
- asking a librarian...
- clicking around your city's website...



STEP THREE COMPILE YOUR FINDINGS!

YOUR FINAL PRODUCT SHOULD:

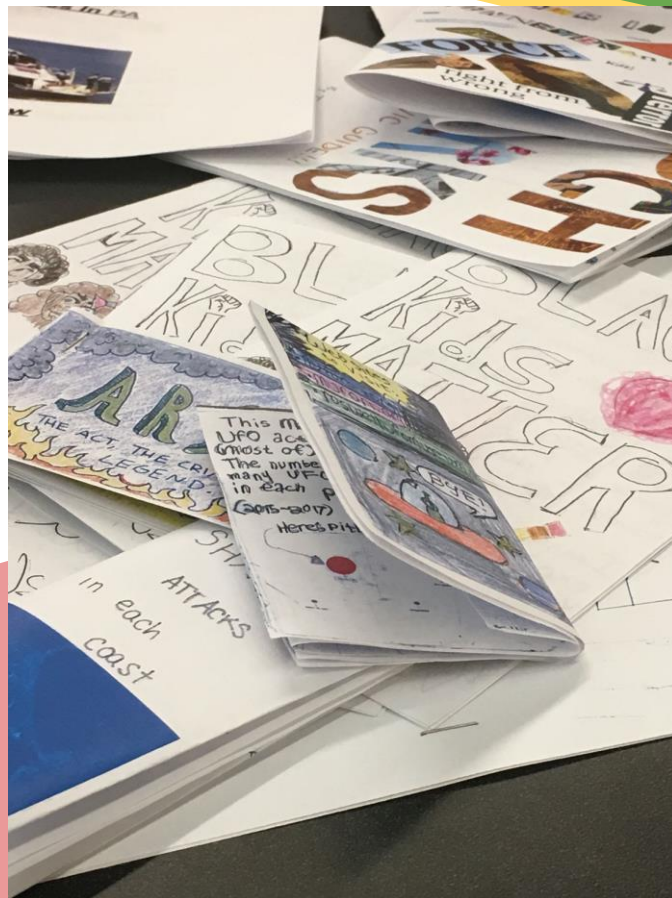
- detail your search and what you found out...
 - ↳ did you get an answer? did the question change?
- reflect you, your process, or your community...
 - ↳ make this zine your own! go wild! be creative!
- serve as a resource for other curious citizens...
 - ↳ what advice can you give to people who have questions?
 - ↳ is your data presented in an effective way?



STEP FOUR SHARE IT!

- tell your family, friends, and teachers about your project!
- does your community have a zine library? see if you can donate yours
- go to a zine sweep!


TW 2017



Open Data Sources



US Census
NYC Open Data
Google Trends



Week-long Workshop

DAY 1 - DATA RESOURCES

DAY 2 - DATA COLLECTION

DAY 3 - DATA STORIES

DAY 4 - WORKING WITH DATA

DAY 5 - PRESENTING DATA

Short Workshop

FIRST STEP

Get your zine ready
Determine your topic

NEXT STEP

Dig into the data
Compile your findings

LAST STEP

What was interesting?
What questions do you have?
Copy your zine and share



Let's take a look!

Additional Resources

Data Zine Workshop Curriculum: <https://tinyurl.com/9kymb7ty>

Youth Data Literacy Project: <https://www.youthdataliteracy.info>

Data Literacy with, for, and by Youth: <https://www.informalscience.org/data-literacy-and-youth-exploring-how-teens-co-design-after-school-programs-sites-critical-data>

Multiple Literacies Lab: <https://multipleliteracieslab.unt.edu/data-literacy>

Books

Biel, Joe. *Make a Zine*. Portland: Microcosm Publishing, 2008.

Fontichiaro, Kristin, Jo Angela Oehrli, and Amy Lennex. *Creating Data Literate Students*. Ann Arbor: University of Michigan Press, 2017.

McCandless, David. *Information Is Beautiful*. New York: Collins, 2009.

Posavec, Stefanie and Giorgia Lupi. *Dear Data*. London: Penguin Press, 2016.



Thanks!

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