

Data Literacy

What is it? Why is it important to libraries? How can libraries promote data literacy?

What is data literacy?

The ability to read, work with, analyze, and argue with data.

Source: <https://thedataliteracyproject.org/>



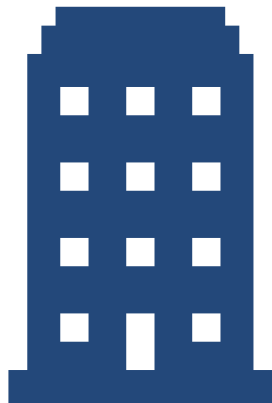
What is data literacy?

When people encounter numbers, visualizations, and statistics, can they make good decisions about them?

Source: Moran, G. (2019, August 13). "We're in a data literacy crisis. Could librarians be the superheroes we need?" *Fortune*, <https://fortune.com/2019/08/31/data-literacy-crisis-librarians-library/>



Why is data literacy important to libraries?



Library Impact



Community Impact

Why is data literacy important to libraries?



Library Impact

- Demonstrating relevance to stakeholders
- Making data-informed decisions
- Understanding neighborhood demographics
- Serving the community more effectively and efficiently



Why is data literacy important to libraries?



Community Impact

Help people in your community:

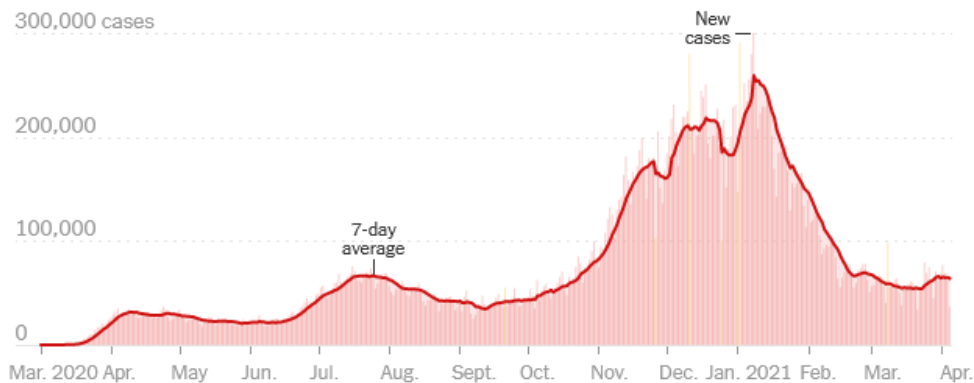
- Assess and interpret data
- Develop job skills
- Obtain information for their business
- Participate in community development and policy-making
- Learn about local history



Coronavirus in the U.S.: Latest Map and Case Count

Updated April 5, 2021, 8:33 A.M. E.T.

[Leer en español](#)



	TOTAL REPORTED	ON APRIL 4	14-DAY CHANGE
Cases	30.7 million+	36,670	+18% →
Deaths	554,579	277	-23% →
Hospitalized		40,740	+1% →

■ Day with reporting anomaly. Hospitalization data from the U.S. Department of Health and Human Services; 14-day change trends use 7-day averages.

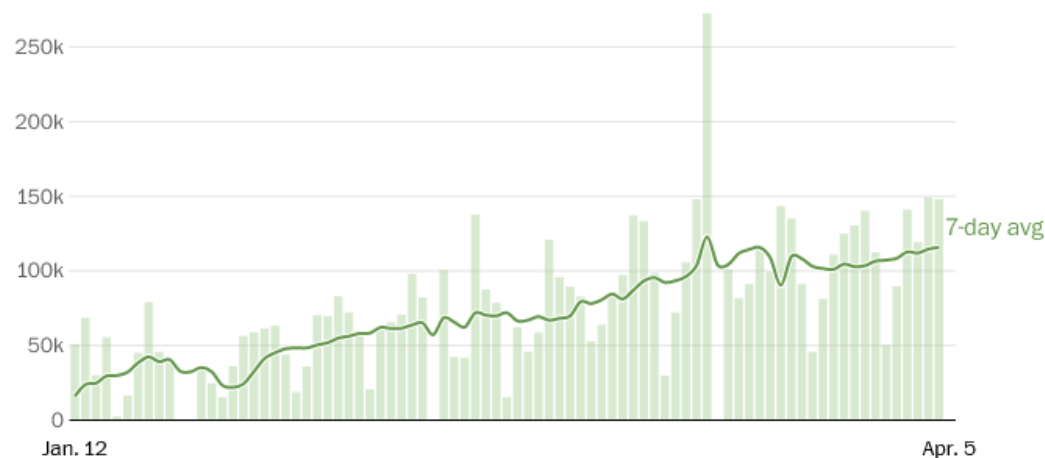
Image credit: New York Times

Illinois



Reported doses administered by day in Illinois

In the last week, an average of **115.2k** doses per day were administered, a **12%** increase ↑ over the week before.



Note: Data before Jan. 12 is inconsistent. On Feb. 19, the CDC altered its reporting of doses administered by federal agencies by adding them to the states where the shots had been given. From Feb. 23 forward, the data reflects doses administered to residents of the state rather than doses administered by the state.

Image credit: Washington Post

How can libraries promote data literacy?



Free Data Pathway Classes at Providence Public Library

JANUARY 14, 2020



Image credit: Skills for Rhode Island's Future

 QUEENS PUBLIC LIBRARY



NYC OPEN DATA 101

Want to know more about how your local government and city agencies work? Curious how you can use open data to better understand and advocate for change in your community? Join us for this introductory workshop to learn how to access, filter, and analyze information about your neighborhood from New York City's open data platform.

FREE ADMISSION

Mondays, September 9; October 21 6pm RIDGEWOOD 20-12 Madison Street • (718) 821-4770	Thursday, September 19 5:30pm EAST ELMHURST 95-06 Astoria Boulevard • (718) 424-2619
Mondays, September 16; October 28 6pm LEFFERTS 103-34 Lefferts Blvd., Richmond Hill • (718) 843-5950	Thursdays, September 19; October 24, 6pm CORONA 38-23 104 Street • (718) 426-2844

Image credit: Queens Public Library

The Census - It's More than Just a Head Count



Since 1790, the federal government has taken a count of the United States population every 10 years to gain an accurate picture of our ever-changing demographics. The 2020 count was expected to be no different. Plans for an online count, the first of its kind, were moving forward, and field operations were readying to assist people at their homes. Fast forward to today, and we know that much has changed—dates have been extended and field operations are taking extra safety precautions. But, despite the many complications of 2020, the count continues [with a new deadline of October 31, 2020](https://my2020census.gov/) (<https://my2020census.gov/>).

Why is the census important? The main purpose of the count is to determine how many seats each state receives in the U.S. House of Representatives, how more than \$675 billion in federal resources will be distributed, and how congressional district boundaries are drawn. Completing the census doesn't just mean you are living in the United States, it means that you are counted in your government. How else is census data important?

The Census - It's More than Just a Head Count



Since 1790, the federal government has taken a count of the United States population every 10 years to

Community Assets:

Census data helps determine funding for critical community health assets like hospitals, clinics and food banks. Census data also informs decisions on Medicare, Medicaid and nutrition program funding.

Many 9-1-1 emergency systems are based on census maps. And, through using these maps, health care professionals can predict the spread of disease in communities with higher risk populations, like older people or young children.

An accurate census count can benefit your favorite nonprofit too. Billions in federal funding for programs such as school nutrition, housing and health care will be determined by the outcome of the census, making it imperative to get an accurate count in historically undercounted populations.

2020 count was expected to be no
g forward, and field operations were
d we know that much has changed-
ety precautions. But, despite the
[line of October 31, 2020](#)

determine how many seats each
in \$675 billion in federal resources will
n. Completing the census doesn't just
unted in your government. How else is

Image credit: Denver Public Library

The Census - It's More than Just a Head Count



Businesses:

Businesses can use census data to strategize their operations, expand and succeed. For example, real estate companies can determine housing demands, retail stores can analyze demographic shifts, and small business owners can find new customers and decide where to open additional locations.

Census data can help community planners track changing demographics, such as age, ethnicity and renter and ownership rates. Such data can also determine traffic patterns or the need for more parks, hospitals and roads.

Community Assets:

Census data helps community banks. Census data

Many 9-1-1 emergency care professionals care for older people or young

An accurate census

such as school nutrition, housing and health care will be determined by the outcome of the census,

making it imperative to get an accurate count in historically undercounted populations.

Image credit: Denver Public Library

San Francisco Public Library Campaign

Census 2020: Come to Your Census!

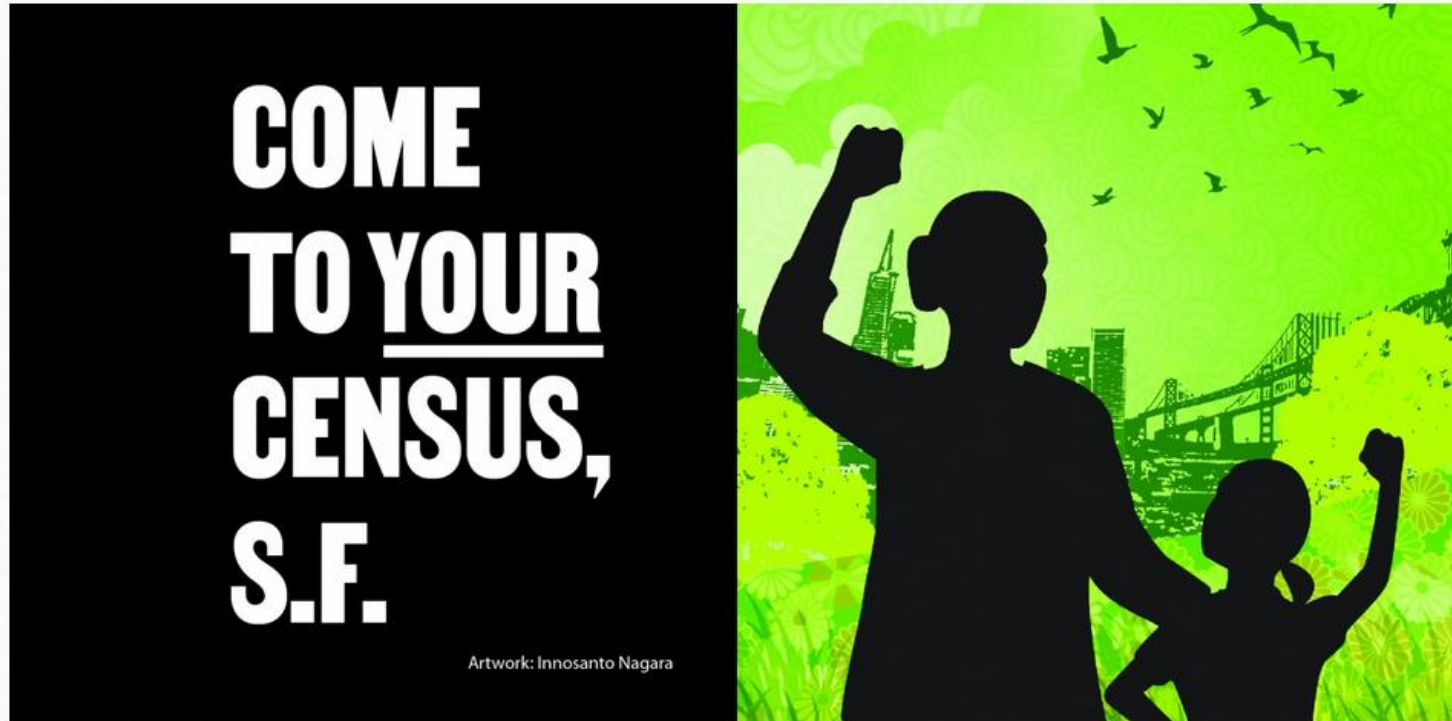


Image credit: San Francisco Public Library





ART+
ACTION
2020 Census

SF ★ 2020
census
COUNTS



creativity
explored
WHERE ART CHANGES LIVES

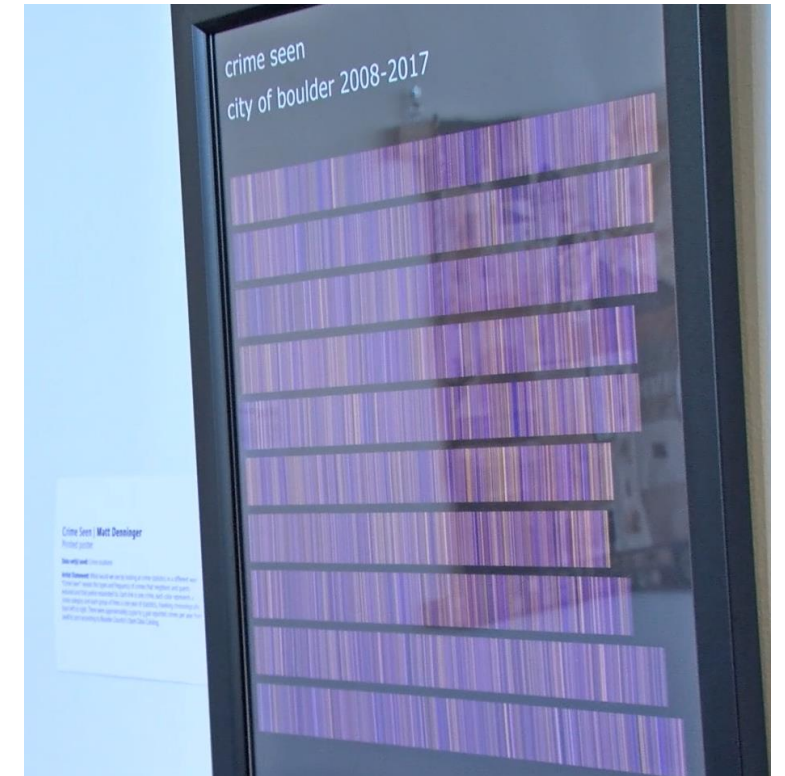


San Francisco Public Library

Artwork: Antonio Benjamin
of Creativity Explored
'Houses'

Antonio Benjamin is one of many contributing artists participating in Art+Action's 2020 Census campaign. In both digital and traditional media, Benjamin often depicts African American people, houses and churches, reflecting his community and culture.

Boulder Public Library: Art of Data Exhibit



Question:

How has your library promoted data literacy?

