

Some data journalism tips

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Slides to accompany this tipsheet

https://docs.google.com/document/d/1kCy-3eOlxHy2igCrkswoZBOR_muKJY_5DIRqkCLMqIU/edit?usp=sharing

To Whom It May Concern:

Pursuant to the Ohio Open Records Law, §149.43 et seq., I hereby request:

- a **spreadsheet, table or other document** listing the most current list of providers enrolled to provide COVID-19 vaccines in Ohio **including provider name, id, date enrolled, location, and all non patient-identifying fields.**

...

I request these records be provided in an **electronic format that can be imported into standard database software.** Examples of such formats include an Excel .xls or .xlsx file, an Access .mdb or .accdb file, a text-based delimited file such as .csv or tab-delimited .txt, a .dbf file or an SQL dump readable by standard open-source database software. **(A PDF file would not comply with this request because PDF files are not readable by database software.)**

	A	B
1	date	title
27	9/5/2020	"This is a sickness that cannot be allowed to continue. Please report any si
28	9/9/2020	Chris Rufo on Glenn Beck: With Biden, Critical Race Theory may return to
29	9/16/2020	Against Wokeness: Conservatives must understand the threat posed by cri
30	9/18/2020	Defending American Values, and History
31	9/18/2020	You're Racist? Then No More Federal Funding, DOE Calls Princeton's Bluf
32	10/4/2020	The Truth About Critical Race Theory: Trump is right. Training sessions for
33	10/5/20	Neo-Marxist CRT destroying America
34	10/17/20	White supremacy meaning (not a column just major mainstream coverage)
35	10/26/20	How Critical Race Theory is Dividing America
36	12/7/20	Critical race theory, the new intolerance (42 page report)
37	1/12/21	CRT infiltrates government, CLASSROOMS
38	1/25/21	Biden embraced lunatic CRT
39	2/2/21	We need to get parents, in particular, to focus on CRT that will be forced or
40	2/11/21	CRT conflicts with Christian worldview
41	2/15/21	Private Schools Aren't Safe From The Wake Mab

1 FIND

- Ideation/Inspiration
- Research/Interviews/FOIAs
- Literature/Coverage review
- Collect/Structure

2 ANALYZE

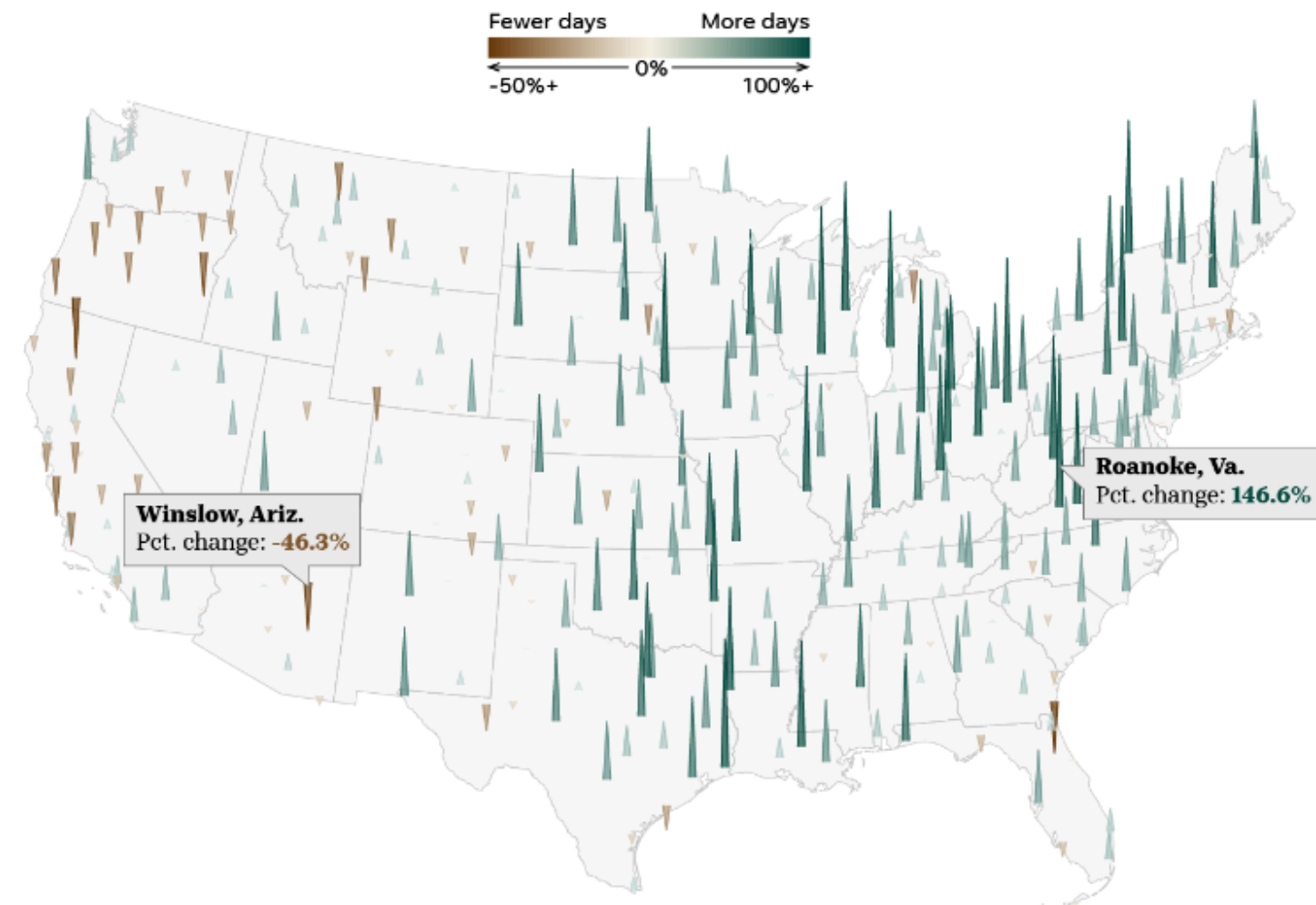
- Exploratory data analysis
- Recipe
- Merge

3 BULLETPROOF

- Dummy check
- Correlation does not equal causation

4 PRESENT

- Translate
- Nerdbox



Google Scholar search results for "infrastructure \"climate resilience\" boston \"investment\"". Shows 395 results in 0.09 seconds.

- Any time
- Since 2022
- Since 2021
- Since 2018
- Custom range...

Sort by relevance
Sort by date

Any type
Review articles

- include patents
- include citations

Create alert

Boston tidal barrier, UK: adapting to climate change and delivering social outcomes
K Pollard, G Thompson, A Robinson... - Proceedings of the ..., 2021 - icevirtuallibrary.com
... This paper focuses on the role of civil engineers in improving **infrastructure** and community ... The **Boston** barrier scheme has delivered increased **climate resilience** to **Boston** by providing ... assessment and **investment** in climate-adaptation projects across all **infrastructure** sectors ...
☆ Save 🔗 Cite

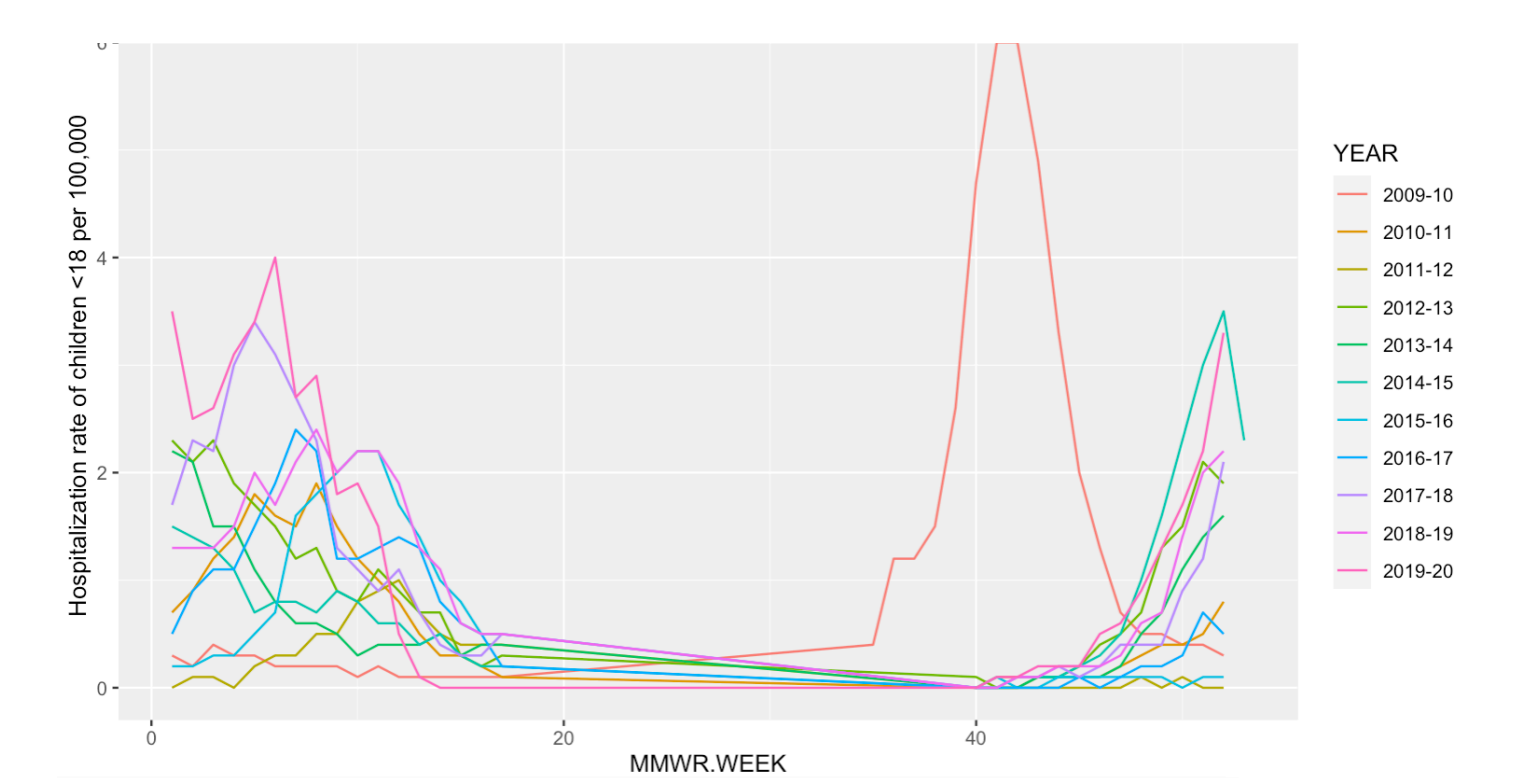
[PDF] New Infrastructure Imperatives Emerge
SR Muldavin, CRE Korin Crawford - 2021 - cre.org
... Real Estate is on some new **infrastructure** imperatives, the need for enhanced **investment** in all areas of **infrastructure** remains high if we are ... **Climate resilience** and adaptation **infrastructure** investments will likely have an even greater impact on real estate owners. Tenants, ...
☆ Save 🔗 Cite ⌕

Evaluation of climate change resilience for Boston's rail rapid transit network
MV Martello, AJ Whittle, JM Keenan... - ... Research Part D ..., 2021 - Elsevier
... risks to coastal cities and **infrastructure**. We propose a general framework of engineering resilience for **infrastructure** systems in the context of climate change and illustrate its application for the assessment of SLR impacts on the rail rapid transit network in **Boston**. Within this ...
☆ Save 🔗 Cite Cited by 3 Related articles All 2 versions



Narrate over time
 Start big and zoom in
 Start small and zoom out
 Highlight contrasts
 Explore the intersections
 Dissect the factors
 Profile the outliers

Novelty
 Outlier
 Archetype
 Trend
 Debunking
 Forecast



```
# *****
# Bring in Hopkins data
# *****

# https://github.com/CSSEGISandData/COVID-19
# Download Zip file of Github repo
# Unzip and copy COVID-19-master to working dir
# Combine all files
# Filter for just 12/15/2021
```

AL	AM	AN	AO
Population_	RUCC_2013	Description	doses_per_black_resi
5176	9	Nonmetro - Com	921.25
3558	9	Nonmetro - Com	104.5882353
10266	7	Nonmetro - Urba	121.2307692
5269	9	Nonmetro - Com	726.6666667
25857	7	Nonmetro - Urba	15.79910213
7259	9	Nonmetro - Com	45.9137931
10438	9	Nonmetro - Com	53.89705882
4552	9	Nonmetro - Com	23.71875
5896	9	Nonmetro - Com	78.76
9687	6	Nonmetro - Urba	26.28735632
10866	6	Nonmetro - Urba	36.61764706
6018	9	Nonmetro - Com	82.05882353
20428	7	Nonmetro -	
12441	7	Nonmetro -	
9726	7	Nonmetro -	
9439	8	Nonmetro -	
10995	8	Nonmetro -	
14553	6	Nonmetro -	

Doses per Black resident

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- BULLETPROOF**
 - Dummy check
 - Correlation does not equal causation
- PRESENT**
 - Translate
 - Nerdbox

Hi Aleszu,

Thanks for reaching out and I'm happy to speak. But before we do, can you clarify the exact dates that your graph below shows? It seems like you're saying August 2020 – April 2021, is that right?

If that is the case, I think it's pretty important to include the Delta era in a graph like this, which I see you did in the linked USA Today piece.

Do you have a version that includes up to October 2021?

Thanks

Hi Dr. Connor,

I came across your name on a study on RSV in middle-aged and older adults – and I wondered if you might be able to help me locate pediatric (17 and under) hospitalization rates (per 100,000 children) for RSV by U.S. state for the past few seasons?

I'm trying to compare those against Covid and influenza rates, which I've already found at [HHS](#) and CDC's [FluServe-NET](#).

I'm basically trying to fill out the following chart, but with RSV data. The chart shows hospitalization rates per 100,000 children for Covid vs. two flu seasons. I'd like to add an RSV line that would be most appropriate.

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LOCAL DATETIME	YEAR	LOCATION L	LOCATION	NRC RPT N	NRC RPT DATETIME	COMMODIT	RECOVERED	NET LOSS	
1/26/15 9:38	2015	40.366817	-80.584594	1106602	1/26/15 11:38	HVL OR OTH	0	30565	
1/10/15 20:45	2015	28.885881	-96.433027	1105356	1/10/15 22:01	HVL OR OTH	0	27123	
3/12/13 17:46	2013	29.633617	-90.1741	1040890	3/12/13 23:55	HVL OR OTH	0	23702	
8/12/13 23:10	2013	41.697667	-90.098627	1056922	8/13/13 0:17	HVL OR OTH	0	18400	
7/29/13 0:00	2013	48.524251	-102.856912	1061615	9/30/13 0:16	CRUDE OIL	5856	14744	
				146	932256	2/25/10 7:00	HVL OR OTH	0	13718
				851	988809	9/8/11 8:36	HVL OR OTH	0	12836
				38	1056999	8/13/13 16:02	HVL OR OTH	0	11405
				108	1120150	6/18/15 9:30	HVL OR OTH	0	8000
				71	978614	6/4/11 9:31	CRUDE OIL	4383	7846
				162	1158671	9/10/16 19:16	CRUDE OIL	1560	7040

NOTICE: This report is required by 49 CFR Part 135. Failure to report can result in a civil penalty not to exceed \$100,000 for each violation for each day that such violation persists except that the maximum civil penalty shall not exceed \$1,000,000 as provided in 49 USC 60122.

OMB NO: 2137-0047
EXPIRATION DATE: 7/31/2015

U.S. Department of Transportation
Pipeline and Hazardous Materials
Safety Administration

ACCIDENT REPORT - HAZARDOUS LIQUID PIPELINE SYSTEMS

Report Date: / /
Report Number:
Supplemental Number:
(DOT Use Only)

A federal agency may not conduct or sponsor, and a person is not required to respond to, nor shall a person be subject to a penalty for failure to comply with a collection of information subject to the requirements of the Paperwork Reduction Act unless that collection of information displays a current valid OMB Control Number. The OMB Control Number for this information collection is 2137-0047. Public reporting for this collection of information is estimated to average 10 minutes per response, including the time for reviewing instructions, gathering the data needed, and completing and reviewing the collection of information. All responses to this collection of information are mandatory. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to: Information Collection Clearance Officer, PHMSA, Office of Pipeline Safety (PHS-30) 1200 New Jersey Avenue, SE, Washington, D.C. 20590.

INSTRUCTIONS
Please read the separate instructions for completing this form before you begin. They clarify the information requested and provide specific examples. If you do not have a copy of the instructions, you can obtain one from the PHMSA Pipeline Safety Community Web Page at <http://www.phmsa.dot.gov/pipeline/library/forms>.

PART A - KEY REPORT INFORMATION
Report Type: (select all that apply) Original Supplemental Final
Report Type:

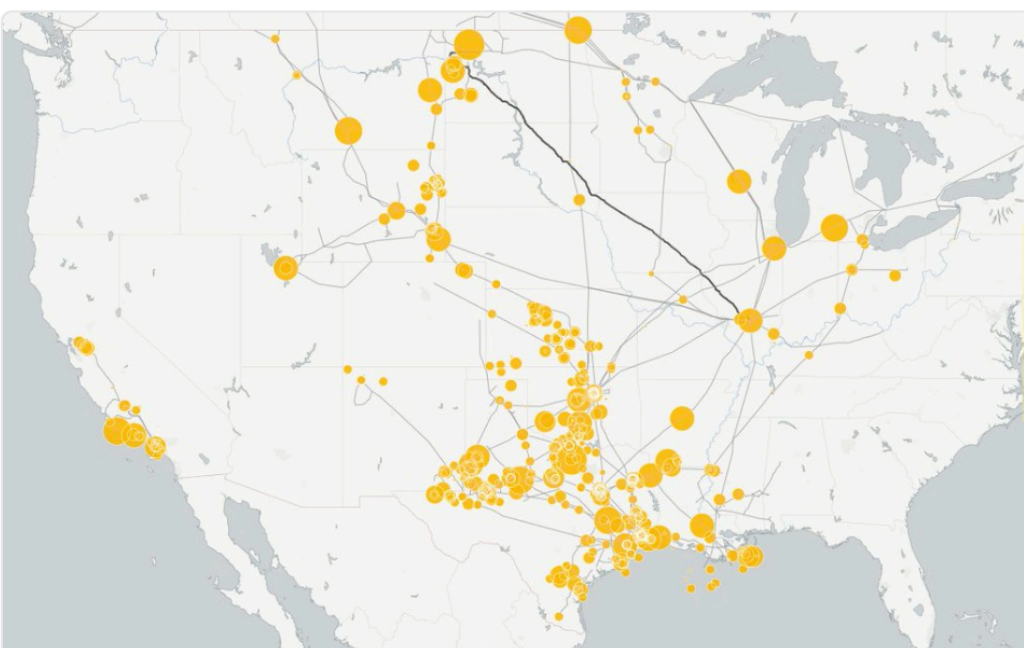
1. Operator's OPS-issued Operator Identification Number (OPIID): OPERATOR_ID
2. Name of Operator: NAME
3. Address of Operator:
3.a. OPERATOR_STREET_ADDRESS
(Street Address)
3.b. OPERATOR_CITY_NAME
(City)
3.c. State: OPERATOR_STATE_ABBREVIATION
3.d. Zip Code: OPERATOR_POSTAL_CODE

4. Local time (24-hr clock) and date of the Accident:
Hour: / Month: / Day: / Year:
5. Location of Accident:
Latitude: / Longitude:
6. National Response Center Report Number (if applicable): NRC_RPT_NUM
7. Local time (24-hr clock) and date of initial telephonic report to the National Response Center (if applicable):
Hour: / Month: / Day: / Year: NRC_RPT_DATETIME

8. Commodity released: (select only one, based on predominant volume released) COMMODITY_RELEASD_TYPE
 Crude Oil COMMODITY_SUBTYPE
 Refined and/or Petroleum Product (non-HVL) which is a Liquid at Ambient Conditions
Gasoline (non-Ethanol) Diesel, Fuel Oil, Kerosene, Jet Fuel
Mixture of Refined Products (transmix or other mixture)
Other HVL Name: COMMODITY_DETAILS
 HVL or Other Flammable or Toxic Fluid which is a Gas at Ambient Conditions
Anhydrous Ammonia
LPG (Liquefied Petroleum Gas) / NGL (Natural Gas Liquid)
Other HVL Name: COMMODITY_DETAILS
 CO₂ (Carbon Dioxide)
 Biofuel / Alternative Fuel (including ethanol blends)
Fuel Grade Ethanol Ethanol Blend Name: BLEND_DETAILS
Biodiesel Blend (e.g. B2, B20, B100): BLEND_DETAILS

9. Estimated volume of commodity released unintentionally: / Barrels
UNINTENTIONAL_RELEASE_BBLs
10. Estimated volume of intentional and/or controlled release/blowdown: / Barrels
INTENTIONAL_RELEASE_BBLs
11. Estimated volume of commodity recovered: / Barrels
RECOVERED_BBLs

Here's an interactive map of all pipeline spills since 2010. @undarkmag #noDAPL #standingrock undark.org/article/oil-pi



10:43 AM - 26 Jan 2017

COVID-19 in kids: Methodology

Weekly pediatric admissions were calculated by totaling each week's previous day pediatric admissions confirmed positive for COVID-19 reported by hospitals to HHS. Rates were calculated by dividing total weekly admissions by child population sourced from the 2019 American Community Survey. Cases and deaths per 100,000 by age group were sourced directly from the CDC. The child vaccination rate was calculated by subtracting the number of people age 18 or older fully vaccinated from the number of people age 12 or older fully vaccinated, then dividing by the child population.

Over 70,000 [miles of crude oil pipelines](#) — most of them underground — spread like vasculature beneath the earthen skin of the United States. Those conduits, **sometimes wide enough for a person to shimmy through**, transport around [one billion](#) gallons of oil every day from production fields to refineries, and they help to satisfy the nation's oil habit, which [amounts](#) to about 19.4 million barrels (or 814 million gallons) of oil consumed every day, on average. But with that much oil and that much pipe — **enough to circle the globe nearly three times** — accidents are inevitable. In fact, since 2010, there have been more than 1,300 crude oil spills in the United States, according to [data](#) collected by the Pipeline and Hazardous Materials Safety Administration, a regulatory arm of the U.S. Department of Transportation.

That's one crude oil spill every other day.

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Tools for data analysis



Google Sheets



Tools for data visualization

Datawrapper

RAWGraphs



ArcGIS StoryMaps

info.gr.am

Easy intros to coding



Introduction

USING R FOR DATA
JOURNALISM

This course is designed to give you a sense of all the possibilities from programming in R.

<https://learn.r-journalism.com/en/introduction/>



The screenshot shows a Python notebook interface. On the left is a table of contents with 'Chapter 5: Hello data' selected. The main area shows a code cell with the following text:

```
committee_list = pd.read_csv("https://first-python-notebook.readthedocs.io/_static/committees.csv")
```

Below the code cell, there is explanatory text about creating a variable and using pandas methods.

<https://www.firstpythonnotebook.org>