



Feminist Icon Design

Durham University

Meghan Kelly (she/her) | Dartmouth College | @meghankellymaps

Welcome and Agenda

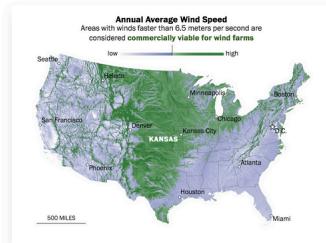
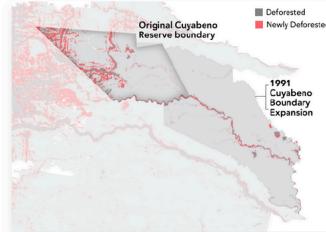
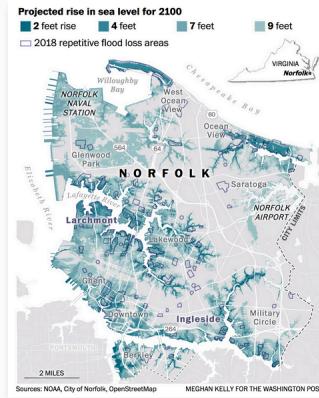
Hello! I'm Meghan.

I'm a cartographer and PhD student at the [University of Wisconsin–Madison](#)! I'm interested in all things mapping related. I make maps, teach mapmaking, and think and rethink mapping practice. My dissertation explores the intersections of mapping and feminist theory. Broadly, I ask what can feminist cartographies look like? You can find my CV [here](#). Thanks for stopping by!



Introductions





Introductions

Please **introduce** yourself in the chat!

Cameras on/off? Whatever you're comfortable with!

Introductions

Feminism

Feminism: Historical, theoretical, and practical framework that explores the construction of knowledge, the distribution of power, and genders' intersections with identity, sexuality, race, ethnicity, class, education, etc.

Feminism: Historical, theoretical, and practical framework that explores the construction of **knowledge**, the distribution of **power**, and genders' **intersections** with identity, sexuality, race, ethnicity, class, education, etc.

Feminism + Mapping?

Your Body, (Not) Your Choice

Map

Analysis

About

Since the landmark Supreme Court decision Roe v. Wade in 1973, which legalized abortion throughout in the U.S., states across the country have slowly chipped away at this federally protected right. We are here to tell this story.

Report Card

Grading Scale:



F



D



C



B



A

Prohibited At

Mandated Counseling

Waiting Period

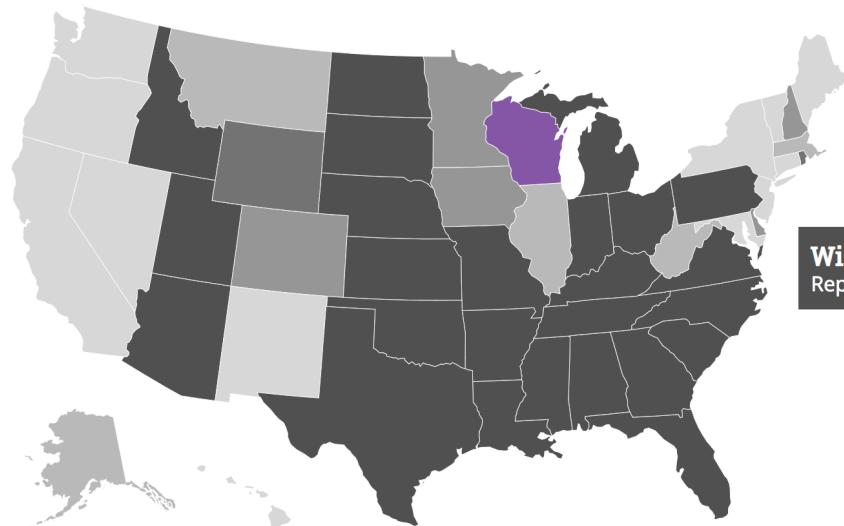
Parental Consent

Mandatory Ultrasound

Show:
Crisis Pregnancy Centers**Show:**
Abortion Providers

The report card grade, created by NARAL, given to each state based on their policies regarding a woman's choice and access to abortions. [We provide an overview of these policies here.](#)

2014

**Wisconsin**
Report Card: D

feminist |inclusive
~~~~~ cart.  
~~~~~ cartographies—

[the (often) visual expression of spatial info. that] intentionally + explicitly addresses questions of scale/embodiment/individual of power, inequality, personal experience in visibility representation, and/or ethics. ← what is missing?

A map may be feminist in content, form, or process.

↓
outcome/impact

What is **feminist mapping** and what can it look like in practice?

Examples/themes
Cartographies

feminist cartographies —
[the (often) visual expression of spatial info. that] intentionally + explicitly addresses questions of power, inequality, representation, and/or ethics. ← what is missing?

A map may be feminist in content, form, or process.
↓ outcome/impact

Examples / themes
Cartographies

Feminist Mapping (briefly)

Feminism is not new to mapping

Feminism informs critical mapping

Interdisciplinary, new horizons

Co-liberation, the “worlds we need”

Content, form, and process

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Content, form, and process

Data Feminism + Feminist Data Visualization

Catherine D'Ignazio and Lauren Klein (2016, 2018, 2020)

Examine and challenge power

Consider context and subjectivity

Embracing pluralism

Legitimize embodiment and affect

Rethinking binaries

Representing uncertainty

Make labor visible

Feminist Data Viz Principles (D'Ignazio and Klein 2016, 2018)

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HOME ABOUT ACCESS SUBMIT PROJECTS DONATE FAQ CONTACT

MISSING & MURDERED INDIGENOUS WOMEN DATABASE

© 2018 ANNITA LUCCHESI. PROUDLY CREATED WITH WIX.COM

BEA JENNIKA NERISSA MAKAYLA SAMANTHA LATOYA VERA MIA FREIDA RAINBOW SAMMI TASHAYNI
LYNNE DESTINY RUBINA MAE LAURIE JOCELYN MERCEDES EARLENE KEESHA ADRIENNE JASMINE RAQ
NIA LOREAL MIRABELLA ALISHA SADIE JOZANNA JAYDEN JOURDAN CHELSEA TRINA VIKKI SHAYLENE
RAMONA HOPE SARAH TARITA COURTNEY ELIE LEONA TONEQUA

ACCESSING THE DATA

The data is made available on an as-requested basis. The database spans from 1900 to the present, includes both Canada and the US, and includes all homicide victims, deaths in custody, suspicious deaths, and missing persons who are identified as indigenous women or girls (including trans-women, two-spirit people, and descendants who were part of an indigenous community but lack enrollment/status). The following data is logged in the database:

- Names (English, Indian, & translation of Indian name)
- Tribal Affiliation(s)
- Location (town, state/province, country, location type)
- Date of event
- Victim birth date and age at time of event
- Status (missing or murdered)
- Case ruling
- Reward (if one was ever put out, and how much)
- Race, gender, & conviction status of the perpetrator
- Relationship the perpetrator had to the victim
- Violence done to body after death
- If the victim was a mother
- If the victim had other MMIWG in their family
- Relevant keywords (disabled, domestic violence, sexual assault, sex work/trafficking, foster care, residential schools, 60s Scoop, police brutality/healigence/death in

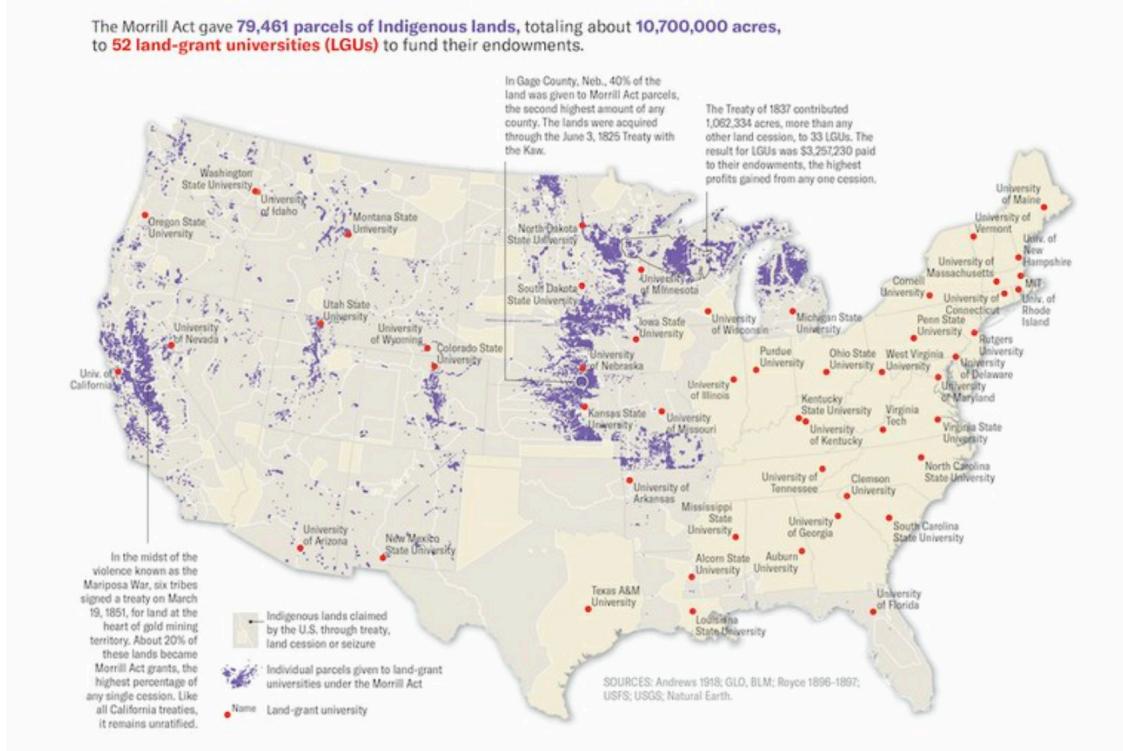
REQUESTS

When making a request for data, please share as much of the following information as you can:

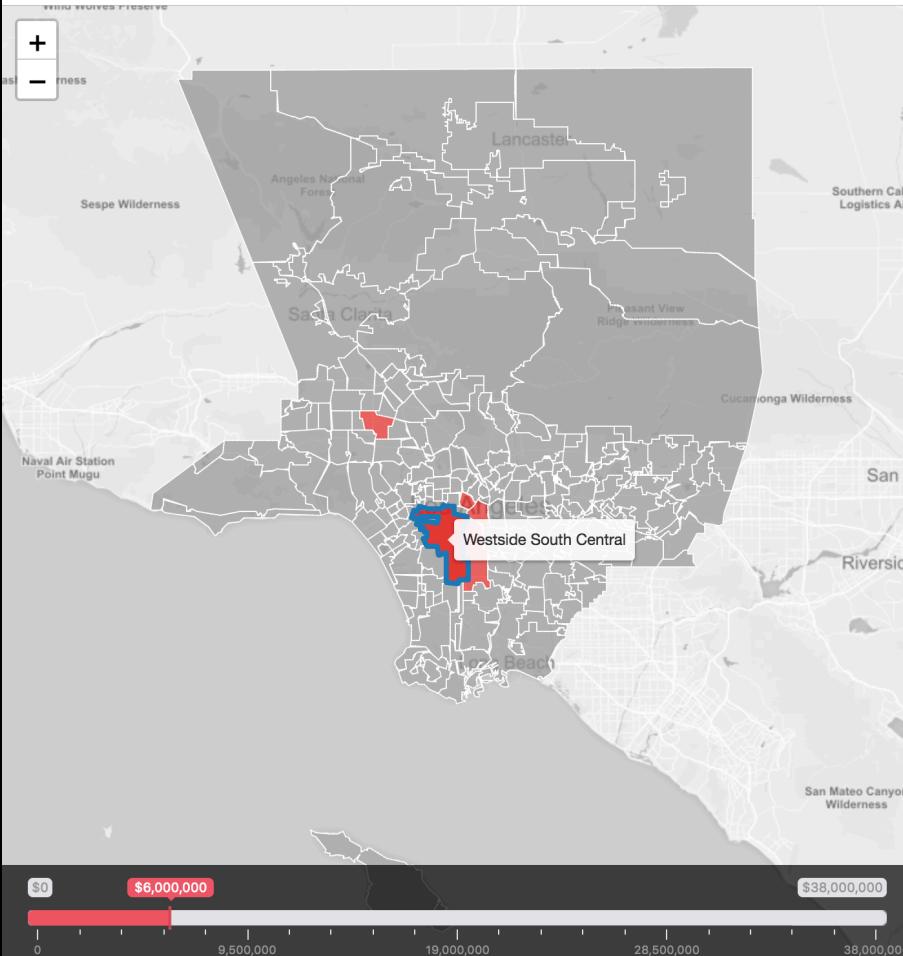
- Type of Data: Do you need all cases from a specific geographic area, tribe, or time period? Are you only looking for data on a particular relevant issue—for example, police brutality or sexual assault? Try to be as specific as you can.
- Who You Are: Are you a journalist, a community member, a policymaker, or a researcher? Are you indigenous, or do you work with an indigenous community?
- How You Plan to Use the Data: Is this for a community event, a news article, or a research project? Knowing how you will use this data is important because it helps us figure out what data would help you in your work, and ensure that it's being used in a respectful and appropriate way.
- When You Need the Data: If you have a time-sensitive request, please share that information so that we can

the grants of land raised endowment principal for 52 institutions across the United States.

The Morrill Act gave **79,461 parcels of Indigenous lands**, totaling about **10,700,000 acres**, to **52 land-grant universities (LGUs)** to fund their endowments.



Map by Margaret Pearce for High Country News

[Neighborhoods](#) [Regions](#) [Senate](#) [Assembly](#) [LAPD](#) [LASD](#)

LAPD 2012-2017 by Neighborhoods

[Jail Data](#) [Rankings](#)

Westside South Central

\$38,104,024

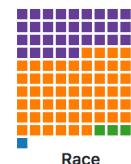
Cost of incarceration

165,785

Days in jail

71,461

Number of arrests



Hispanic 24907 (35%)

Black 43633 (61%)

White 1826 (3%)

Other 1095 (2%)



Male 56526 (79%)

Female 14935 (21%)

Examine and challenge power

Consider context and subjectivity

Embracing pluralism

Legitimize embodiment and affect

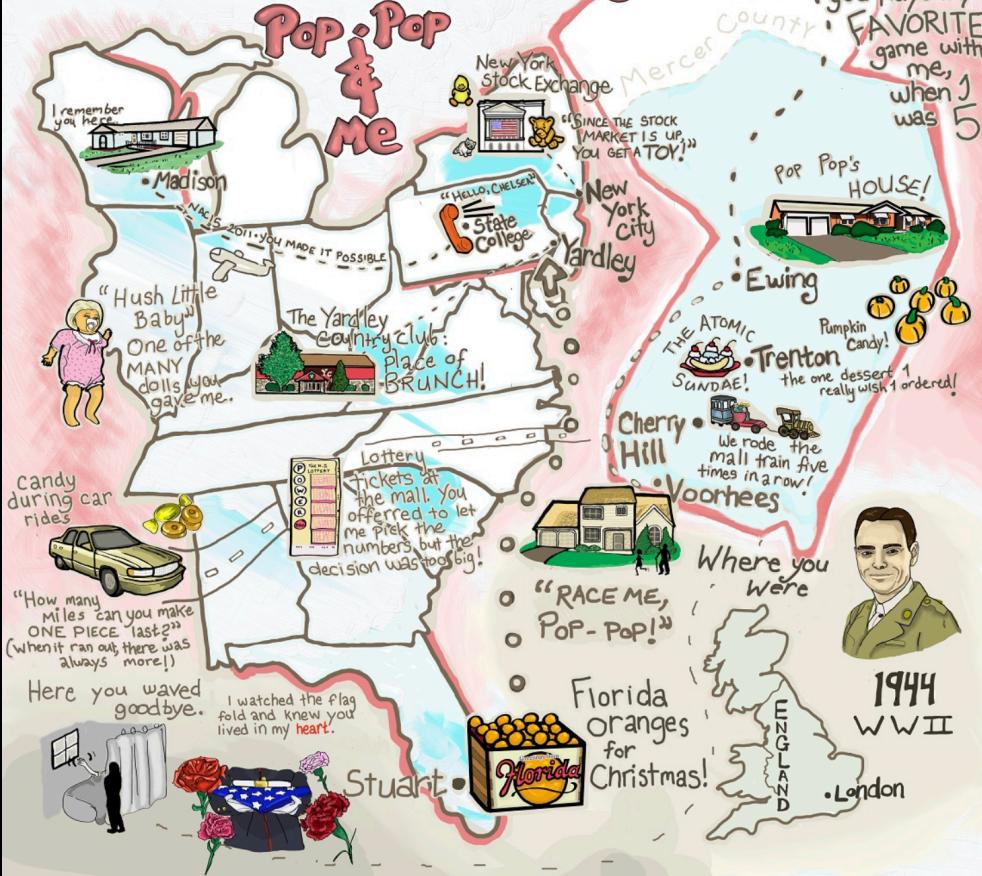
Rethinking binaries

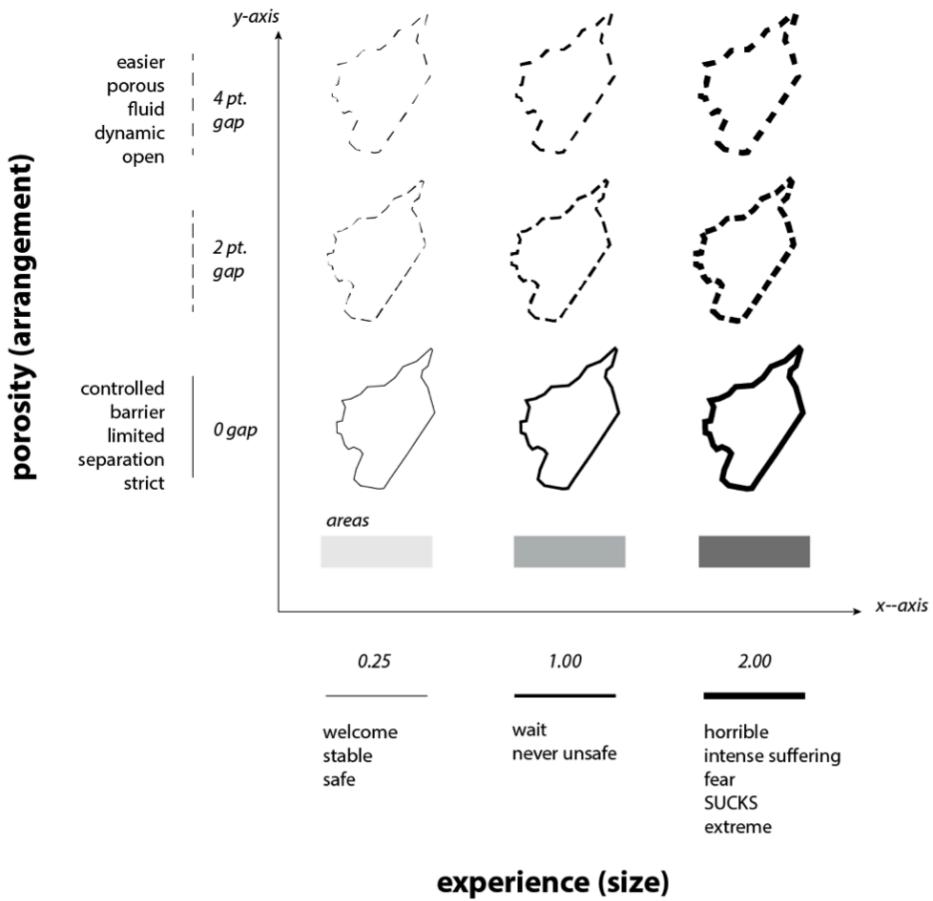
Representing uncertainty

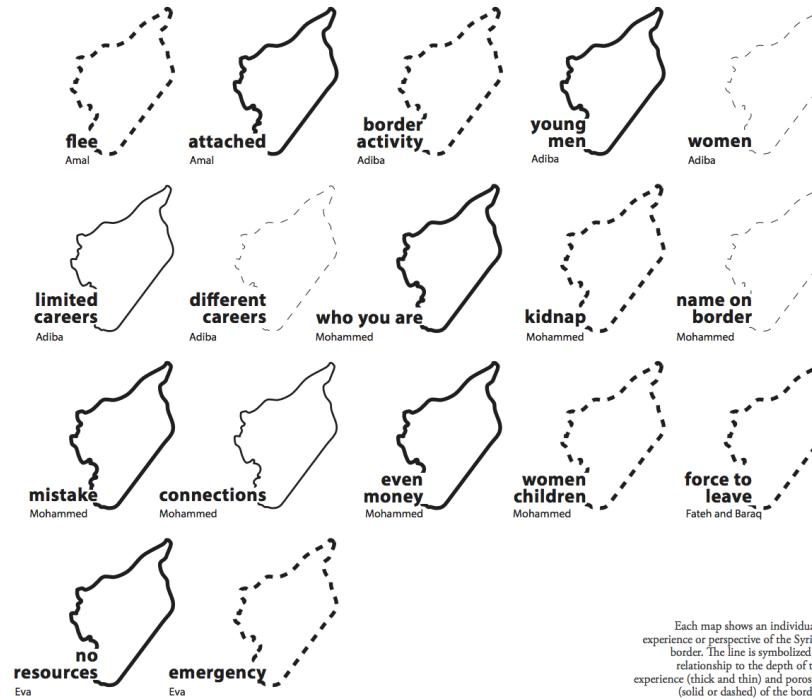
Make labor visible

Feminist Data Viz Principles (D'Ignazio and Klein 2016)

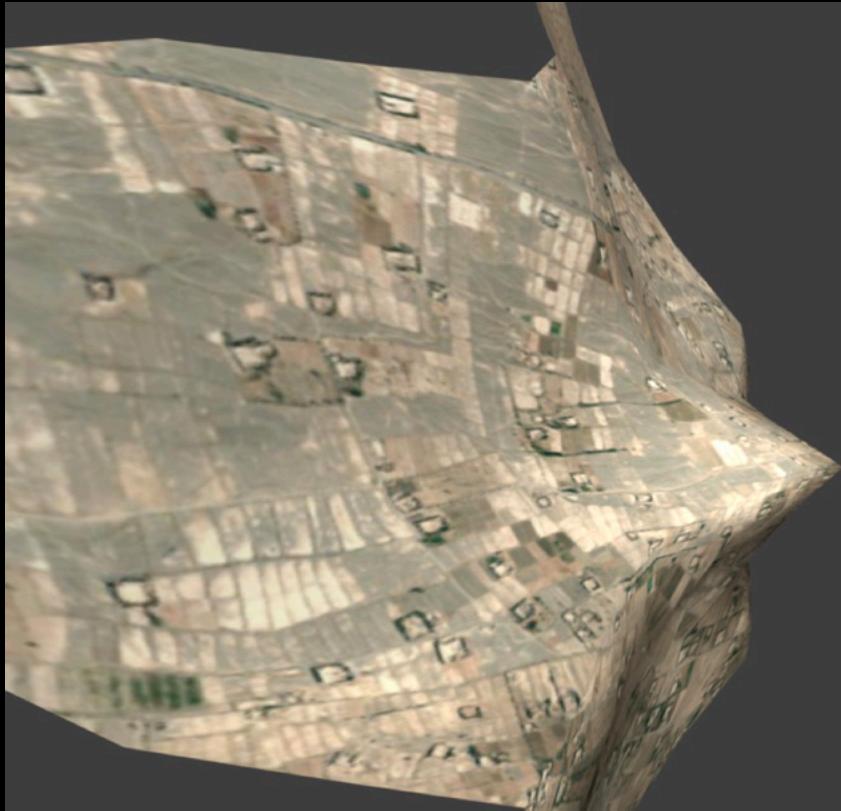
The Places We've BEEN!



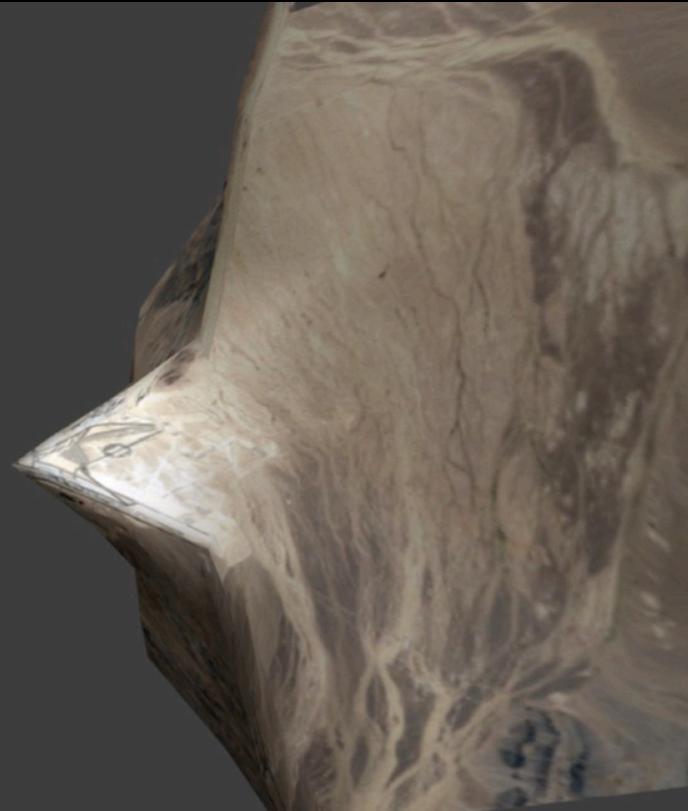




Each map shows an individual's experience or perspective of the Syrian border. The line is symbolized in relationship to the depth of the experience (thick and thin) and porosity (solid or dashed) of the border.



Wana, Waziristan, Pakistan



Creech Air Force Base, Nevada

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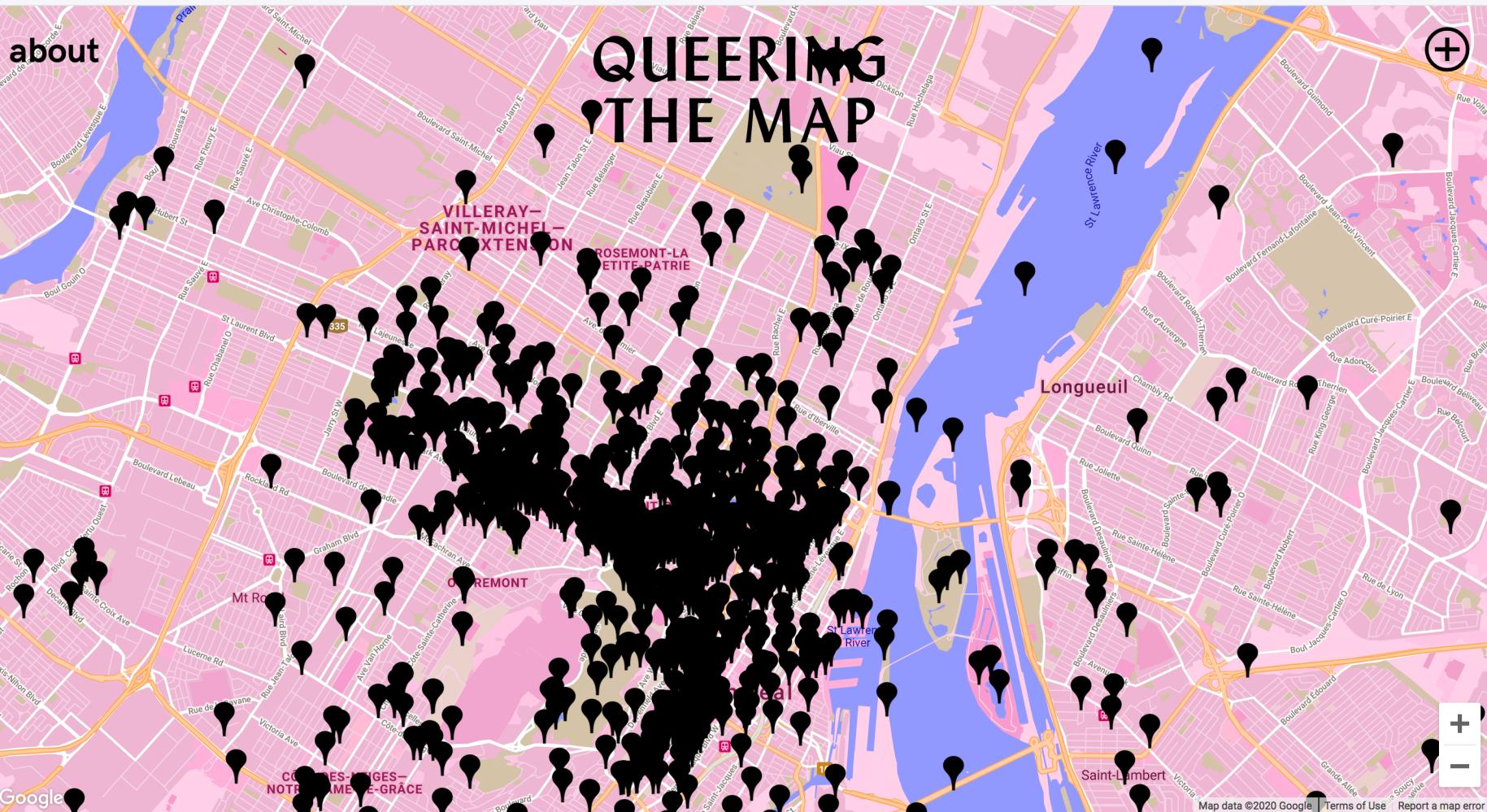
Legitimize embodiment and affect

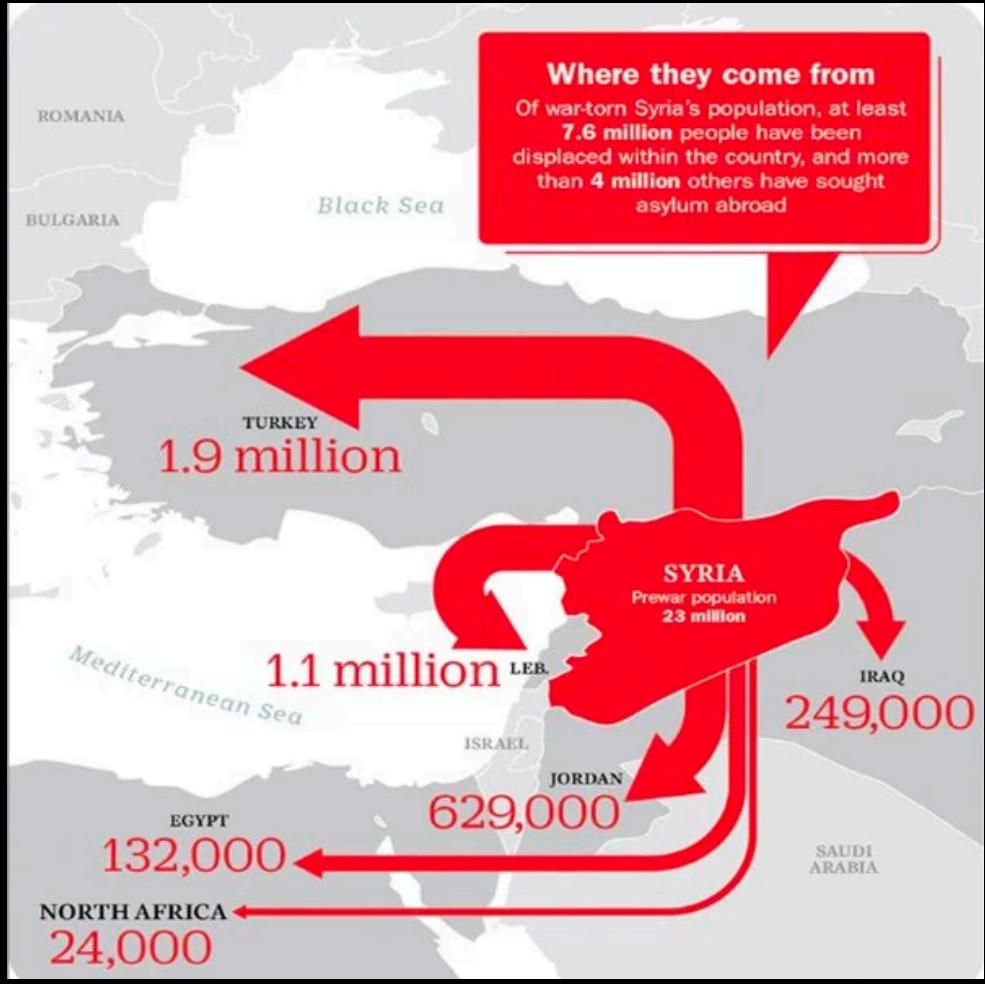
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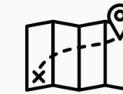


map



Results for “map”

34,964 icons 768 collections



Examine and challenge power

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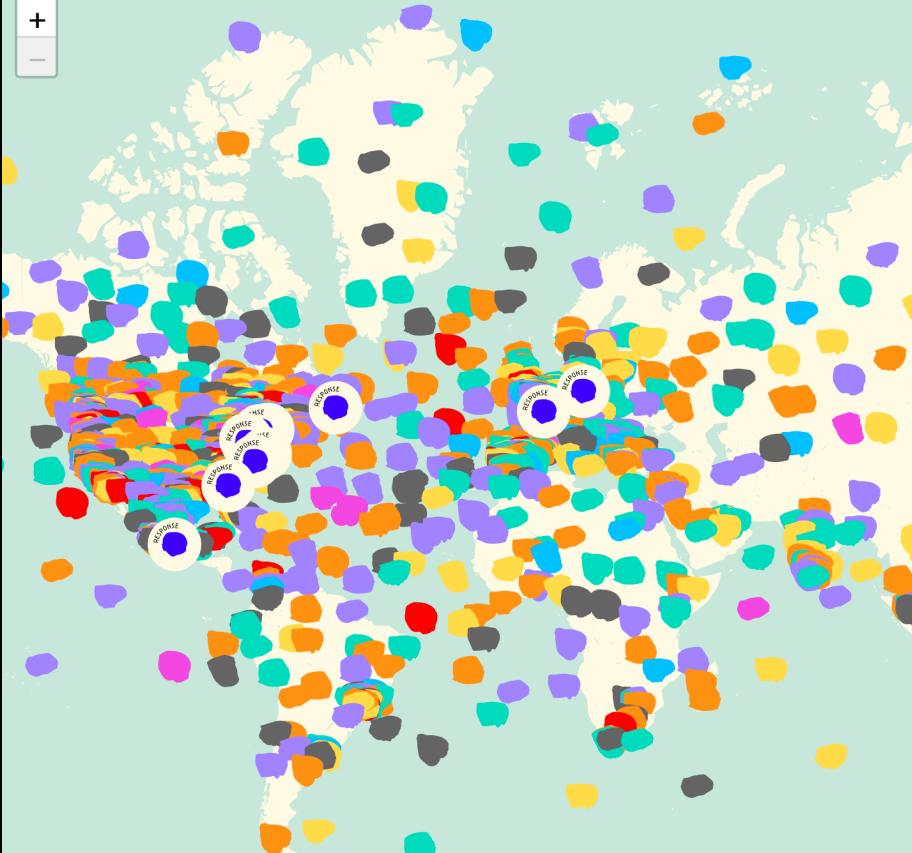
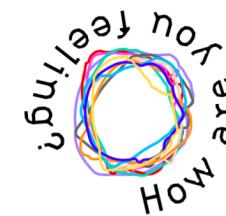
Legitimize embodiment and affect

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Feminist Data Viz Principles (D'Ignazio and Klein 2016)

[emotions](#)[residencies](#)[toolkit](#)[/index](#)

Feelings from around the world.

This is a community-generated mapping project. This is a place to feel and express the emotions brought forward by COVID-19.

Map YOUR emotions!

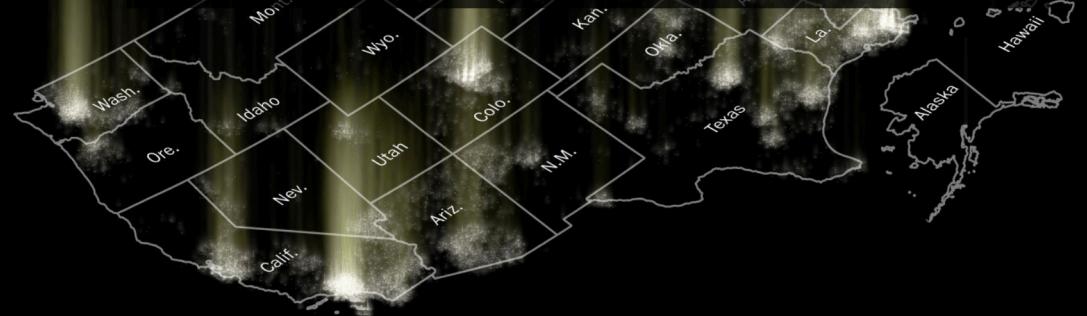
[Range](#)
 [All](#)

Step 0: Take a deep breath. Or two. Or three.





The pandemic has exposed the nation's vulnerabilities and dangerous divide.



Examine and challenge power

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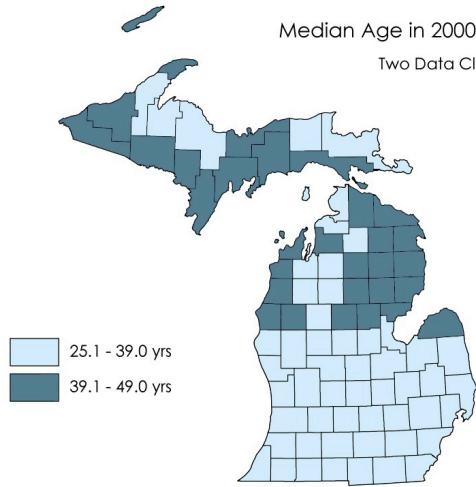
Feminist Data Viz Principles (D'Ignazio and Klein 2016 2018)



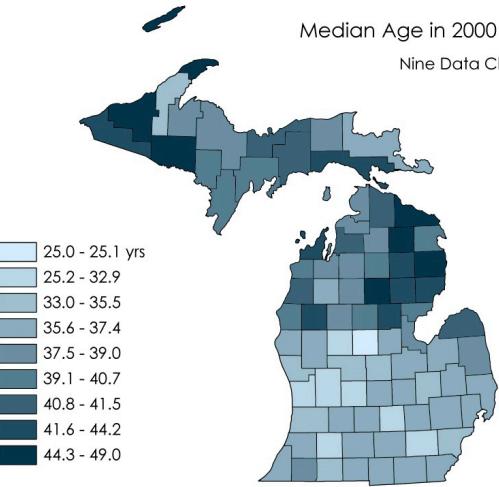
toilet

Rethinking Binaries

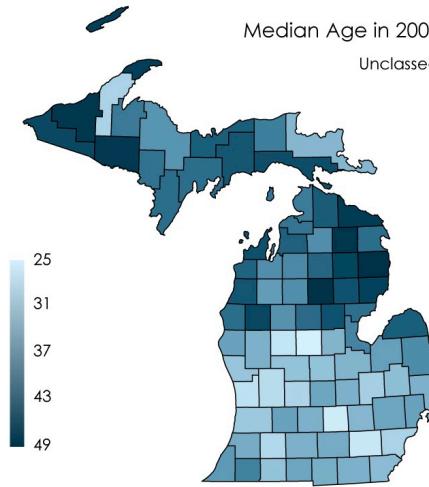
Median Age in 2000 in Michigan
Two Data Classes

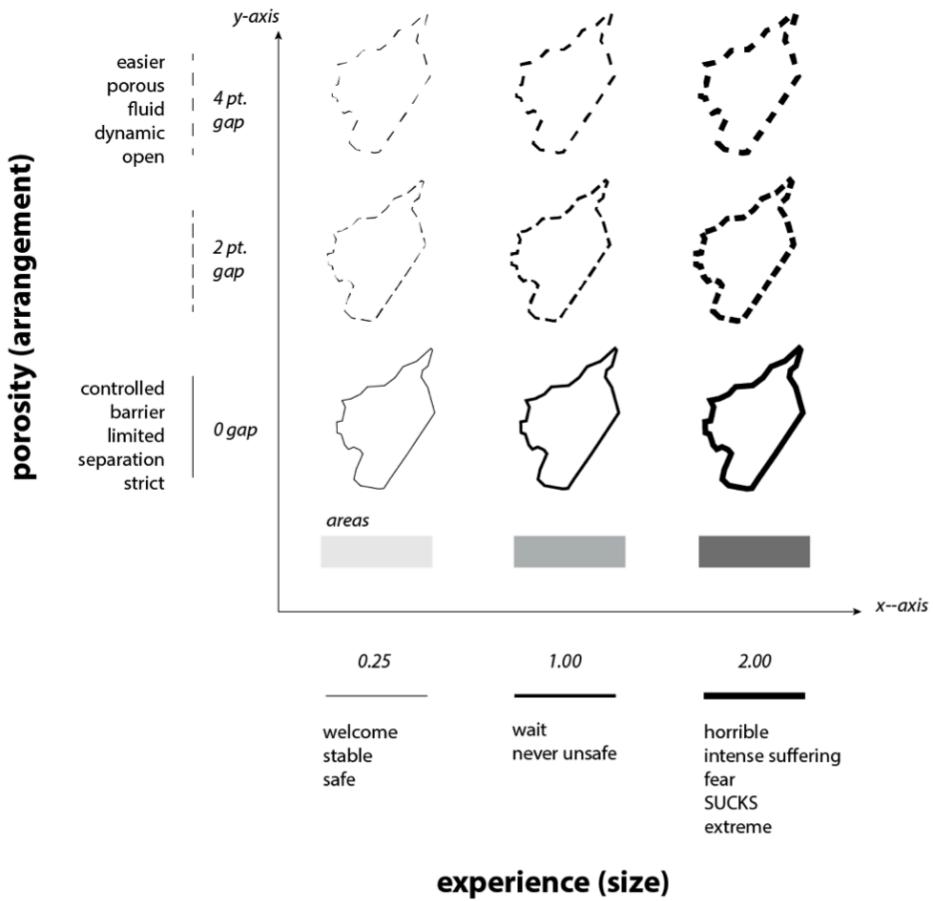


Median Age in 2000 in Michigan
Nine Data Classes



Median Age in 2000 in Michigan
Unclassed





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Feminist Data Viz Principles (D'Ignazio and Klein 2016)



School of Interdisciplinary Studies
African American Studies and Research Center
College of Liberal Arts

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Interdisciplinary Studies / Units / African American Studies / COVID Black

ABOUT US

Team Members

Focus Areas

Projects

Resources

[Tweets by COVIDBLK](#)



Mission Statement

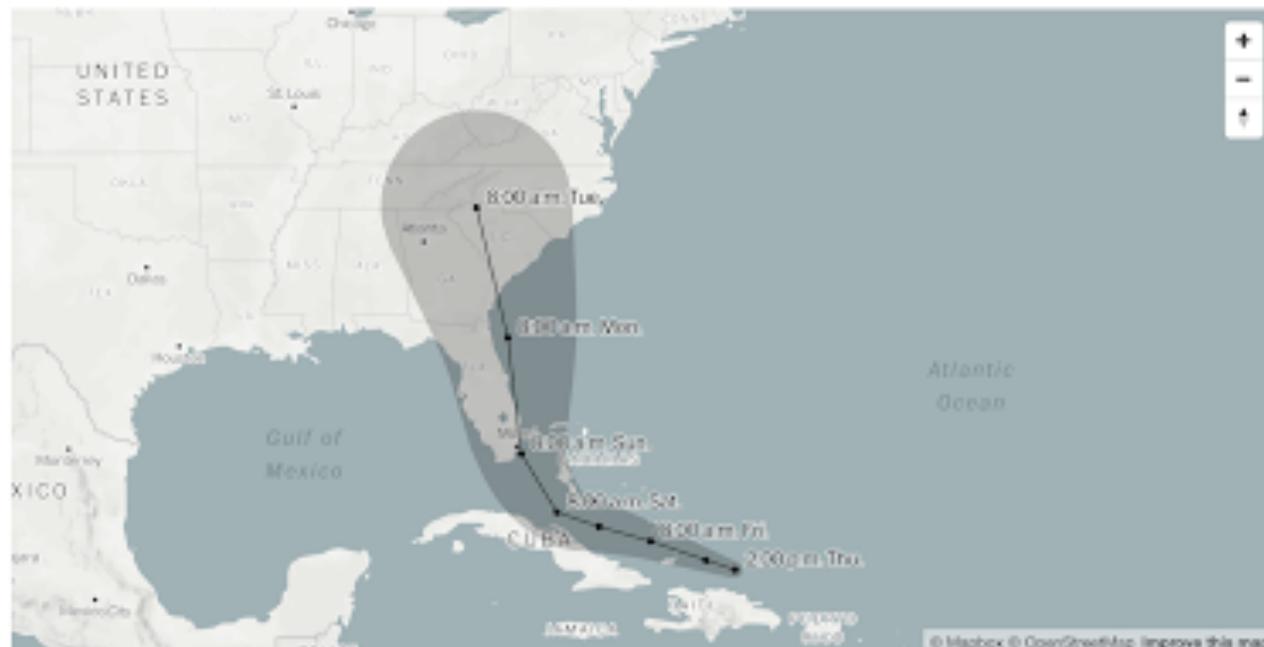
COVID Black - is a Black Digital Humanities (Black DH) collective and an early response taskforce on Black health and data that creates digital resources and engages in actions that are designed to raise awareness about health disparities within Black diasporic communities. Utilizing the critical and justice-oriented theoretical frameworks of Black Studies, Black Digital Humanities, Public Humanities, Medical Humanities, and Public Health, we seek to collectively build a network of resources and outreach around the role that intersectionality and ethics play in issues of information, science, technology, and medicine. As a Black DH collective, COVID Black foregrounds an understanding of race as a technology in order to reflect Black epistemologies and highlight the role that systemic racism plays in the politics of

What's in the path of Hurricane Irma

The storm is big, fast and speeding through the Caribbean toward Florida

By **Bernie Berkowitz, Laris Karklis, Reuben Fischer-Baum, John Mayskoss, Gabriel Florit and Denise Lu**

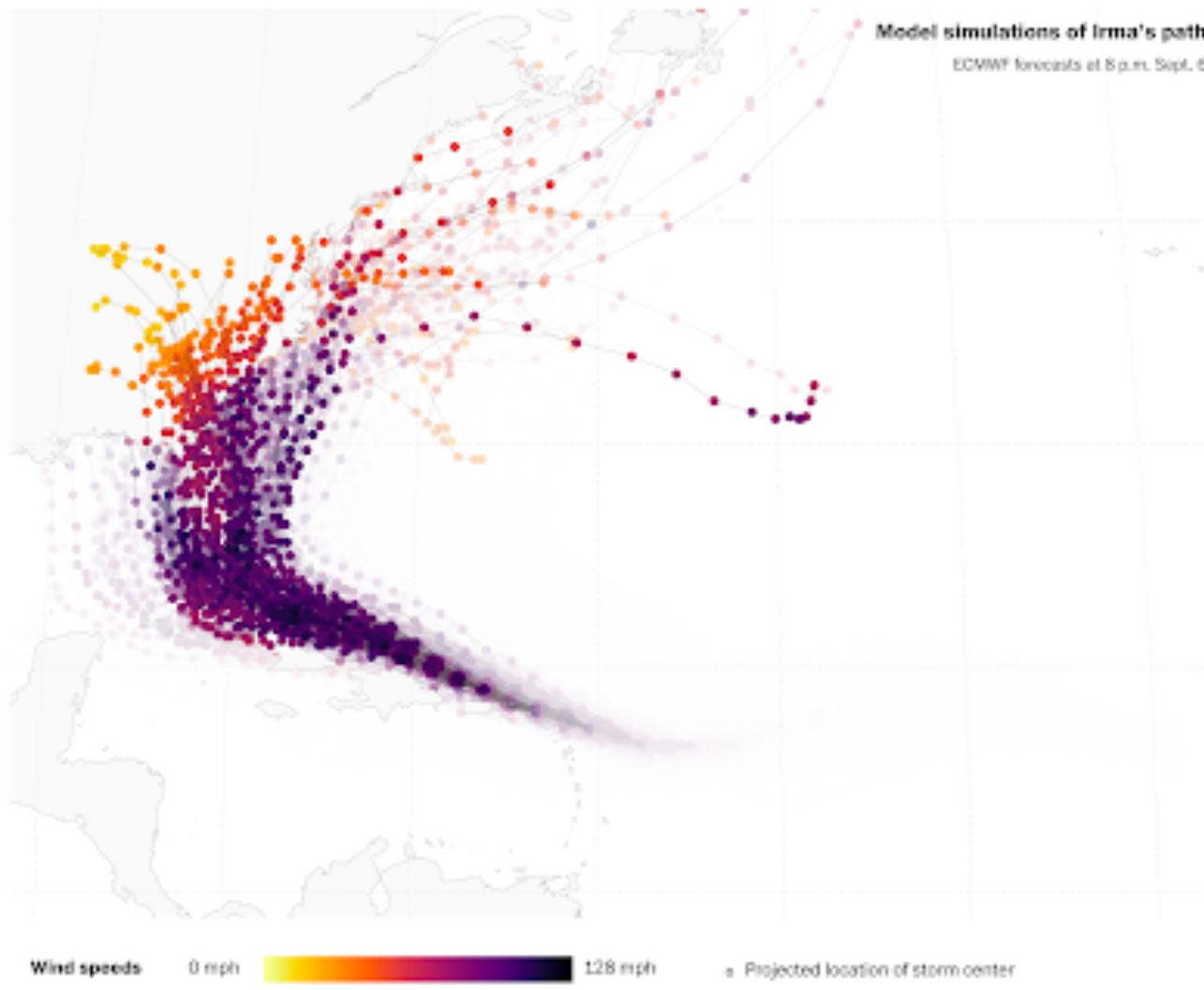
Updated Sept. 7 3:35 p.m.



The future path of the center of Hurricane Irma could be anywhere within this cone.

Model simulations of Irma's path

ECMWF forecasts at 8 p.m. Sept. 6



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AA_Polling_Locations

Shapefile



Tags

Voting, Vote, Polling Location, Precincts, Ward, Election

Summary

To make a complete dataset of all polling places in the City.

Description

Point feature class containing polling places for the City of Ann Arbor. Includes the polling place address, building name, the precinct that votes there, and its X & Y coordinates (in international feet based on the feature class' spatial reference)

Credits

Scott Harrod

Use limitations

The City of Ann Arbor shall not be held liable for improper or incorrect use of this data. This data and related graphics are not legal documents and are not intended to be used as such. The information contained in this data is dynamic and may change over time. The data is not better than the original sources from which it was derived. It is the responsibility of the data user to use the data appropriately and within the limitations of geospatial data in general. The City of Ann Arbor gives no warranty, expressed or implied, as to the accuracy, reliability, or completeness of this data. It is strongly recommended that this data be directly acquired from the City of Ann Arbor, and not indirectly through other sources which may have changed the data in some way. This disclaimer applies both to individual use of the data and aggregate use with other data.

Extent

West -83.790996 **East** -83.685866
North 42.311930 **South** 42.233096

Scale Range

There is no scale range for this item.

[ArcGIS Metadata ►](#)

[Topics and Keywords ►](#)



Micah Cohen

@micahcohen

Follow

What's that? You want all the data we use at @FiveThirtyEight in one easy-to-find-and-download place?

OK:

252 Donald Trump, Adults, 11/18/2017, 37.66021, 41.32718, 33.99324, 55.76499, 60.22801, 51.30137, 13.18:21 18 Nov
253 Donald Trump, All polls, 11/18/2017, 38.19148, 42.61405, 33.76891, 55.45759, 59.77378, 51.1414, 13.18:15 18 Nov
254 Donald Trump, Adults, 11/17/2017, 37.49475, 41.12764, 33.86187, 55.80109, 60.26508, 51.3371, 14:27:21 17 Nov 2
255 Donald Trump, Voters, 11/17/2017, 39.28837, 43.77735, 34.7994, 55.46194, 59.46125, 51.46262, 14:27:25 17 Nov 2
256 Donald Trump, All polls, 11/17/2017, 38.87958, 42.49039, 33.66876, 55.4835, 59.79652, 51.17048, 14:27:15 17 Nov 2
257 Donald Trump, Voters, 11/16/2017, 39.17174, 43.72211, 34.62126, 55.44165, 59.49014, 51.39315, 22:26:26 16 Nov
258 Donald Trump, Adults, 11/16/2017, 37.56749, 41.25379, 33.8812, 56.05001, 60.54091, 51.55912, 22:26:21 16 Nov 2
259 Donald Trump, All polls, 11/16/2017, 38.12582, 42.58415, 33.66749, 55.66437, 60.01311, 51.31562, 22:26:15 16 Nov
260 Donald Trump, Voters, 11/15/2017, 39.02678, 43.52071, 34.52385, 55.44995, 59.54884, 51.35187, 21:47:25 15 Nov
261 Donald Trump, Adults, 11/15/2017, 37.50333, 41.1248, 33.88186, 56.09998, 60.62872, 51.57123, 21:47:20 15 Nov 2
262 Donald Trump, All polls, 11/15/2017, 38.08255, 42.49938, 33.66573, 55.61642, 60.02239, 51.21845, 21:47:15 15 Nov
263 Donald Trump, Adults, 11/14/2017, 37.54153, 40.96108, 34.12197, 56.23283, 61.02762, 51.43644, 15:07:21 14 Nov
264 Donald Trump, Voters, 11/14/2017, 38.96594, 43.43122, 34.58066, 55.51688, 59.64754, 51.38624, 15:07:26 14 Nov
265 Donald Trump, All polls, 11/14/2017, 38.85358, 42.36156, 33.7456, 53.78141, 68.36355, 51.19926, 15:07:16 14 Nov
266 Donald Trump, Voters, 11/13/2017, 39.11567, 43.75588, 34.47586, 55.69787, 68.18501, 51.21073, 13:07:26 13 Nov
267 Donald Trump, Adults, 11/13/2017, 37.26438, 40.86128, 33.72747, 56.38675, 61.30583, 51.46766, 13:07:22 13 Nov
268 Donald Trump, All polls, 11/13/2017, 38.07273, 42.68018, 33.46527, 55.89657, 68.70871, 51.08443, 13:07:16 13 Nov
269 Donald Trump, Voters, 11/12/2017, 38.91225, 43.31968, 34.50483, 55.91314, 60.30188, 51.52439, 13:07:25 12 Nov
270 Donald Trump, Adults, 11/12/2017, 37.29921, 40.83548, 33.76295, 56.3454, 61.25752, 51.43328, 13:07:20 12 Nov 2
271 Donald Trump, All polls, 11/12/2017, 37.58497, 42.4199, 33.55083, 53.9723, 60.75954, 51.18506, 13:07:15 12 Nov
272 Donald Trump, Adults, 11/11/2017, 37.19261, 40.67566, 33.78955, 56.49899, 61.37941, 51.61858, 18:28:25 11 Nov
273 Donald Trump, Voters, 11/11/2017, 38.91225, 43.31968, 34.50483, 55.91314, 60.30188, 51.52439, 18:28:30 11 Nov
274 Donald Trump, All polls, 11/11/2017, 37.91284, 42.38085, 33.48764, 56.08043, 60.84921, 51.31165, 18:28:18 11 Nov
275 Donald Trump, Voters, 11/10/2017, 38.91225, 43.31968, 34.50483, 55.91314, 60.30188, 51.52439, 17:38:26 10 Nov 2
276 Donald Trump, Adults, 11/10/2017, 37.11195, 40.57419, 33.6497, 56.54761, 61.41397, 51.68124, 17:38:22 10 Nov 2
277 Donald Trump, All polls, 11/10/2017, 37.85893, 42.279, 33.43886, 56.11641, 60.87601, 51.3568, 17:38:16 10 Nov 2
278 Donald Trump, Voters, 11/9/2017, 38.82508, 43.16136, 34.4888, 56.08083, 60.37885, 51.63721, 15:22:24 9 Nov 20

Our Data

We're sharing the data and code behind some of our articles and graphics.

data.fivethirtyeight.com

1:56 PM - 9 Feb 2018

558 Retweets 1,701 Likes



47



558



1.7K



Our Data

We're sharing the data and code behind some of our articles and graphics.

We hope you'll use it to check our work and to create stories and visualizations of your own.

• UPDATING

DATA SET

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mlb-elo

2018 MLB Predictions

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congress-generic-ballot

Are Democrats Or Republicans Winning The Race For

a day ago •

[info](#)



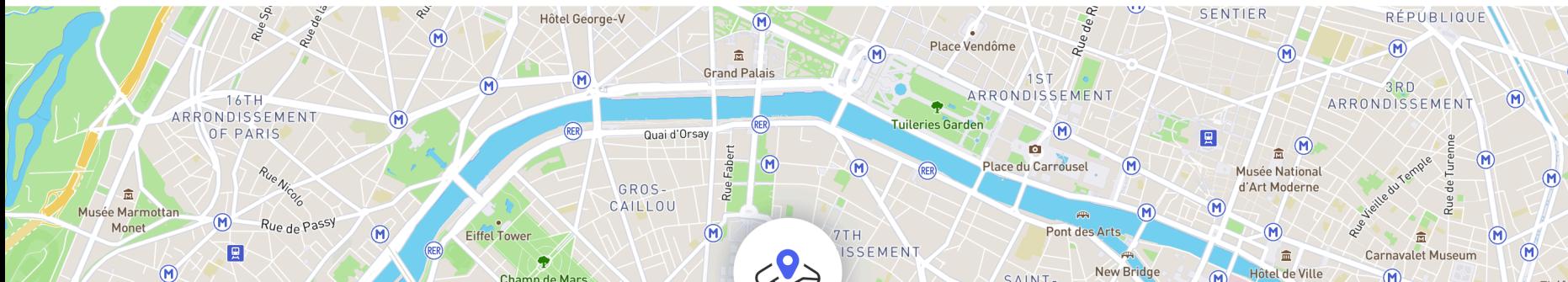
A map may be feminist in
content, form, and/or process.

Defining Feminist Cartographies

A map may be feminist in
content, **form**, and/or process.

Defining Feminist Cartographies



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Maps

Maps reveal the world around us — from where your friends are, to who's winning the local elections to where your business is making traction. Mapbox provides you with the map design tools and mapping libraries needed to make dynamic, performant, and customized maps that suit your needs.

[Get started](#)[Contact sales](#)

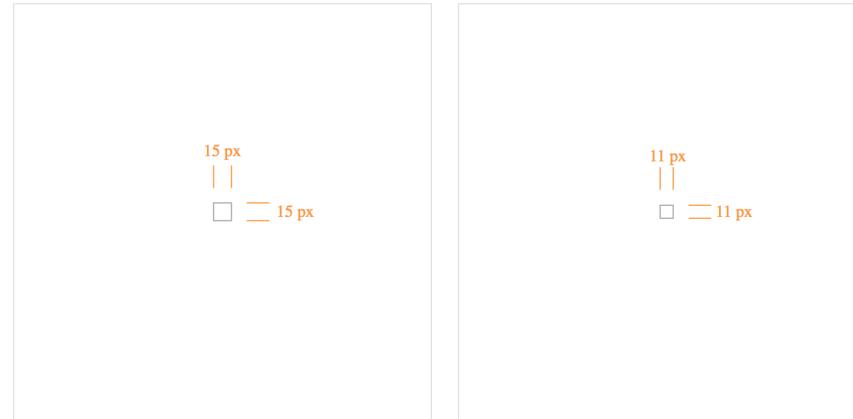
MAKI

Maki is an icon set made for map designers. Maki includes icons for common points of interest like parks, museums, and places of worship. Each icon is available as an SVG in two sizes: 11px by 11px and 15px by 15px. Maki is open source and [CC0 licensed](#).

[!\[\]\(f6d974363b0c5f864fb00896fca9fe4c_img.jpg\) Download Maki](#)

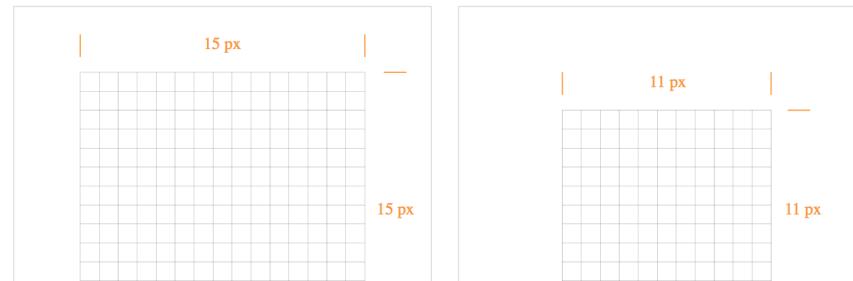
Maki icons use the pixel grid

Maki icons come in two different sizes: 11px by 11px and 15px by 15px. The icon will appear blurry and indistinct if drawn once and then scaled, so both sizes require separate drawings. The two sizes should look as similar as possible.



15px by 15px grid at 100%.

11px by 11px grid at 100%.



15 px

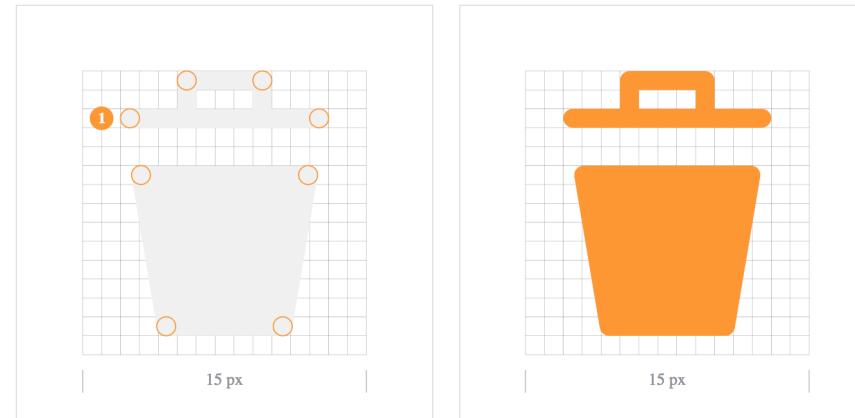
11 px

[Getting started](#)[Sizing & layout](#)[Geometry](#)[File specs](#)[Workflow](#)[Contribute](#)

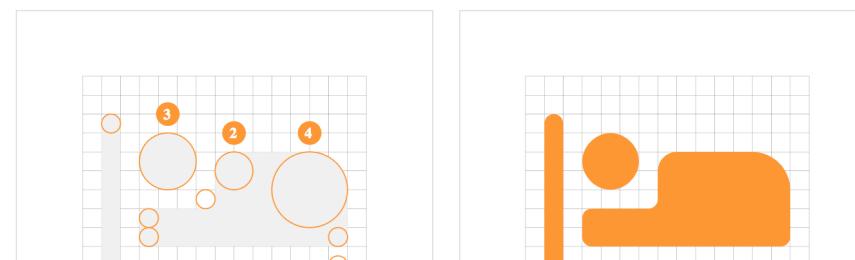
Maki icons have straight edges but rounded corners

Due to the small scale of Maki, icons should be constructed with straight, obvious vertical and horizontal lines according to the pixel grid. Large, gradual curves will look blurry and indistinct at actual size.

To make Maki feel friendly and inviting, round all corners consistently based on circle radii, in half pixel increments.



The wastebasket is constructed with straight lines, and all corners are consistently rounded.







Goal: Use *feminist data visualization* principles to design alternative icons!

Designing Feminist Icons

Step 1: Pick an icon and think about its meaning and limitations. How can the icon be improved through a feminist lens?

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swimming

Step 1: Pick an icon and think about its meaning and limitations. How can the icon be improved through a feminist lens?

Step 2: Drawing on **feminist data visualization** principles, iteratively redesign the icon. Keep your sketches and drafts.



swimming

Examine and challenge power
Consider context and subjectivity
Embracing pluralism
Legitimize embodiment and affect
Rethinking binaries
Representing uncertainty
Make labor visible



swimming

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Step 1: Pick an icon and think about its meaning and limitations. How can the icon be improved through a feminist lens?

Step 2: Drawing on **feminist data visualization** principles, iteratively redesign the icon. Keep your sketches and drafts.

Step 3: Reflect on your designs in writing and annotate your sketches!

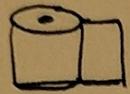
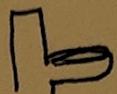
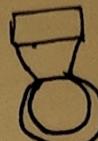


toilet

- limited by two gender binaries
- can be improved by not using people



or



- toilet paper

May be a more
accurate reflection
that everyone will
know, plus it removes
the gender binary

- ★ toilet: also more accurate,
removes gender while maintaining
idea of bathrooms

- probably the most inclusive

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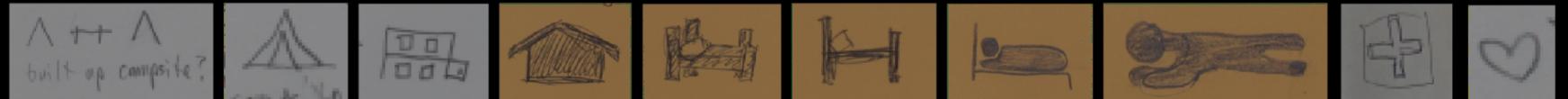
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