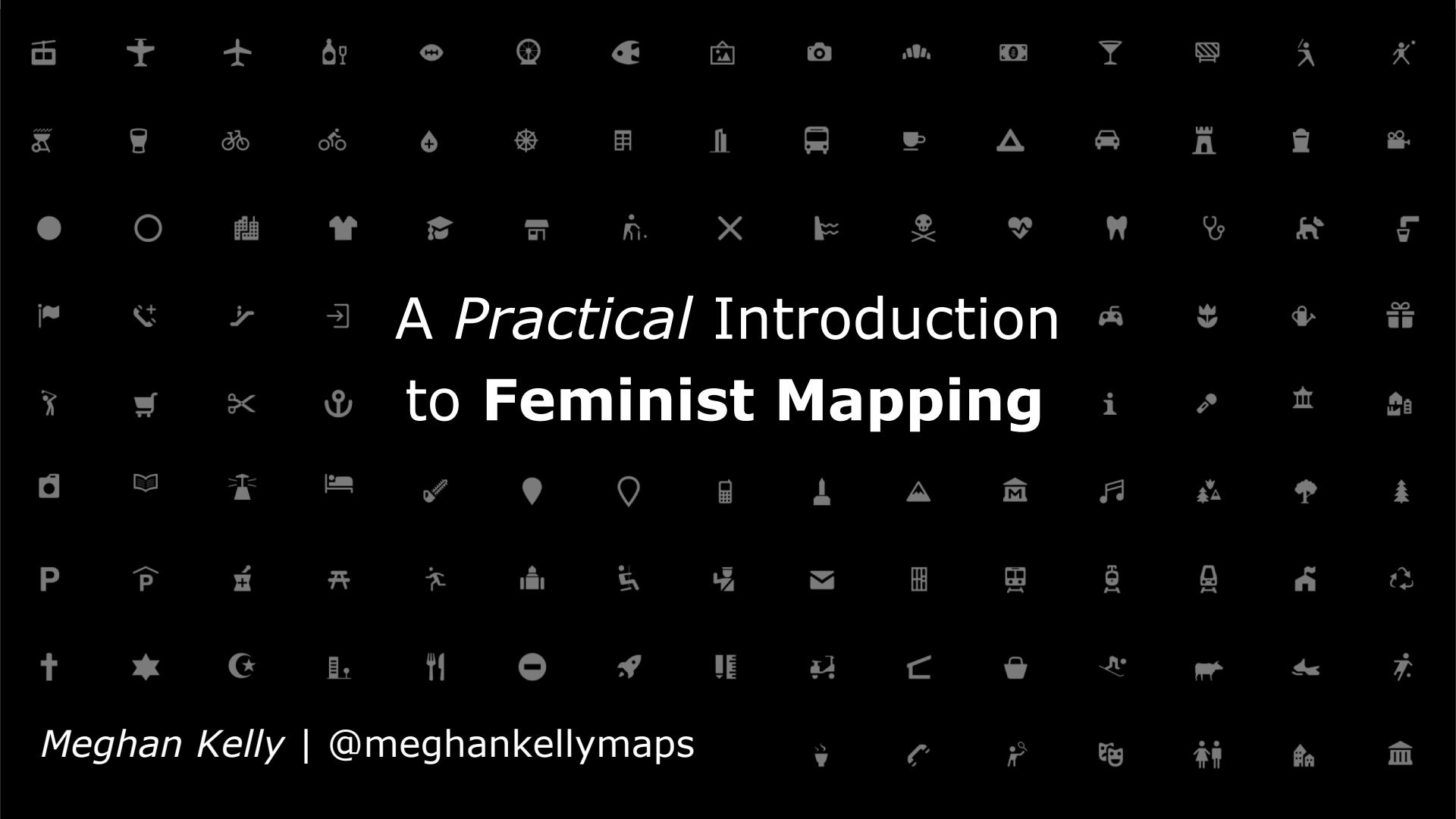


Workshop materials available here:

<https://bit.ly/2VdmCOJ>



A Practical Introduction to Feminist Mapping

Meghan Kelly | @meghankellymaps

Welcome and introductions

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!

Check out my new page on [cartographic process](#)!

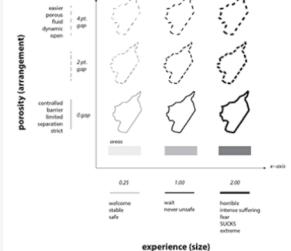
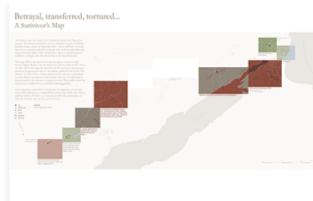
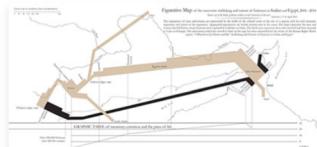
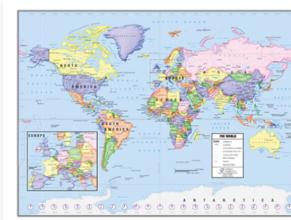
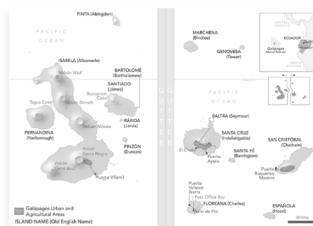


Apps

Ukraine Crisis in ...

Fallout From the B...

Microsoft Word - ...





Welcome to the New UW Cartography Lab Website



Thanks for your patience as we update our website!

Who We Are

Since 1953, the UW Cartography Lab has been a center of innovation for map design, interactive visualization, and geographic thinking. The Cart Lab is a unique “maker”-space in which researchers, professional designers, and students work together to discuss complex

UW Cartography in the News!

- [CBS This Morning: Mapmakers Plot a New Direction](#)
- [From Homelessness to LifeMapping](#)
- [Science Magazine Careers: The New Cartographers](#)

Agenda and Survey

Feminism

FEMINIST



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

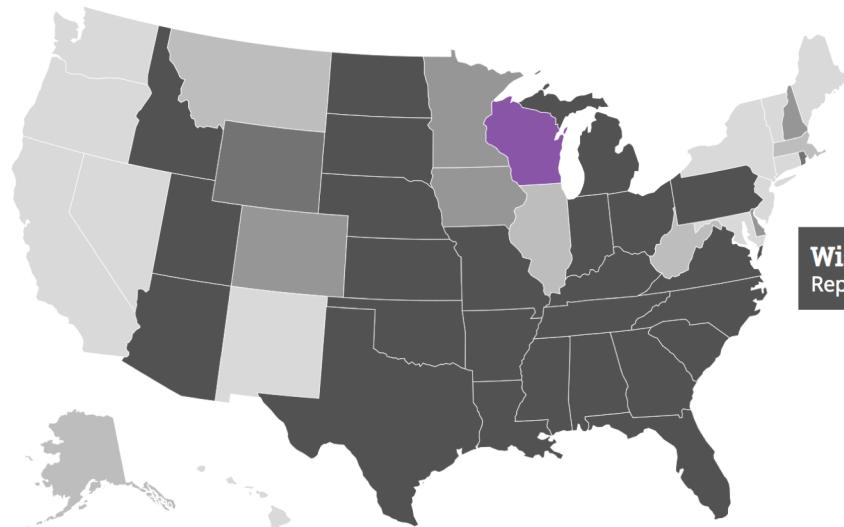
Parental Consent

Mandatory Ultrasound

Show:
Crisis Pregnancy CentersShow:
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



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

Feminist Data Visualization

Catherine D'Ignazio and Lauren Klein (2016)

The (often) visual expression of spatial information that
intentionally and explicitly addresses questions of
power, inequality, representation, and ethics.

Defining Feminist Cartographies

The (often) visual expression of spatial information that intentional and explicitly addresses questions of power, inequality, representation, and ethics.

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

Defining Feminist Cartographies

feminist cartographies — inclusive cart.

[the (often) visual expression of spatial info. that] intentionally + explicitly addresses questions of scale/embodiment/individual 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

Rethinking binaries
Embracing pluralism
Examine power and aspire to empower
Consider context and subjectivity
Representing Uncertainty
Legitimize embodiment and affect
Make labor visible

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

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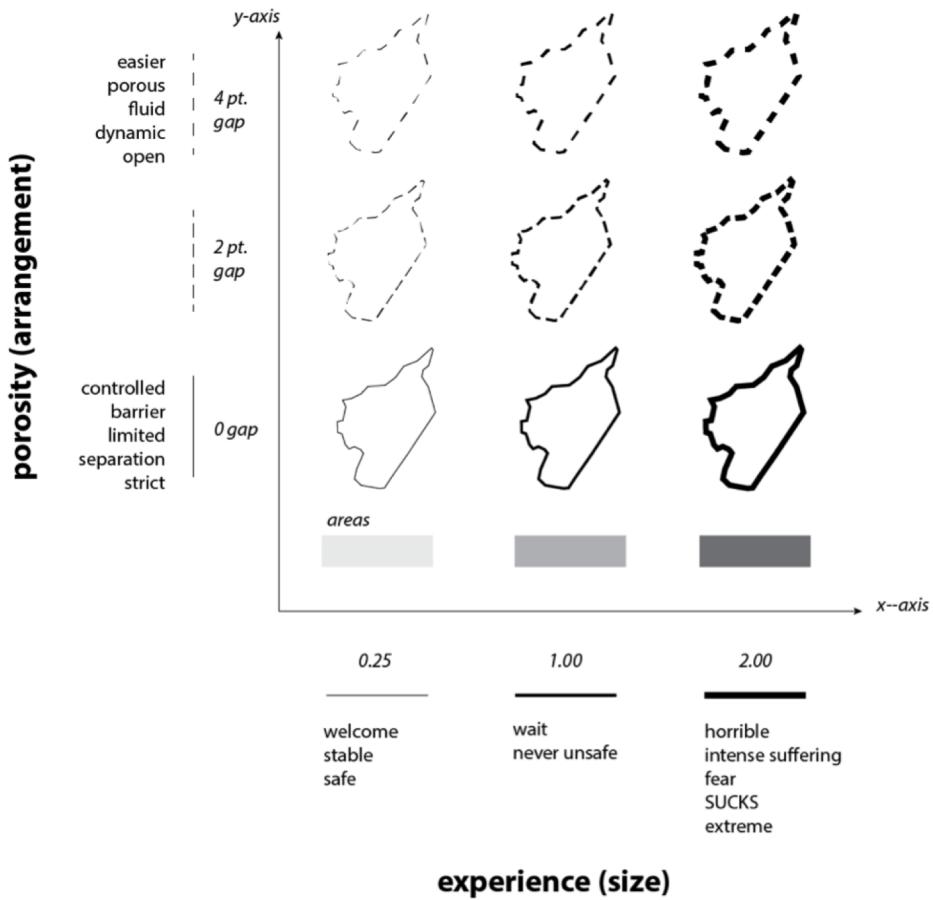
Make labor visible

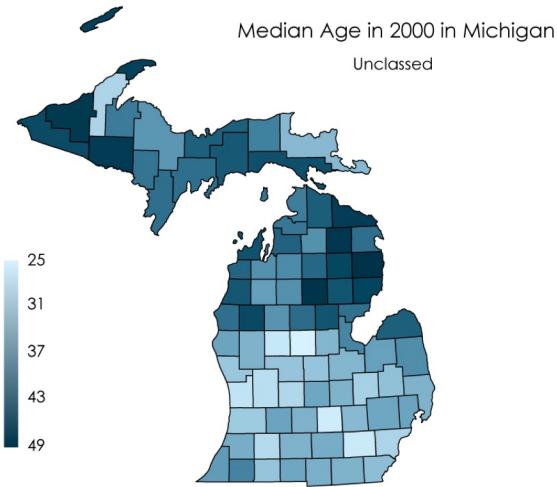
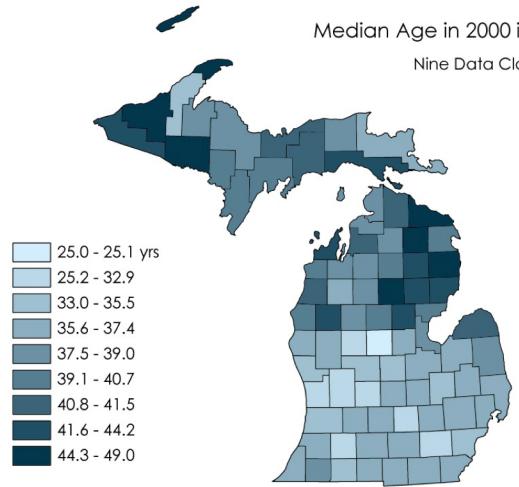
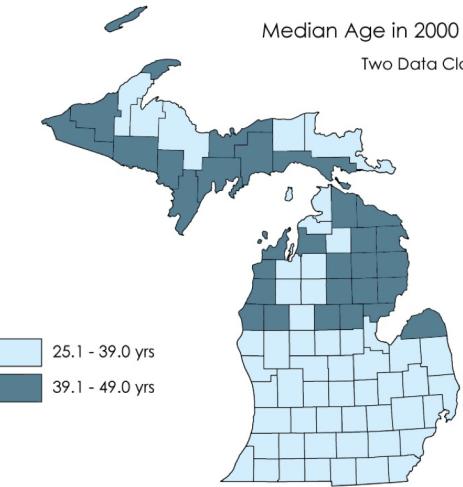
Feminist Data Viz Principles (D'Ignazio and Klein 2016)



toilet

Rethinking Binaries





Rethinking binaries

Embracing pluralism

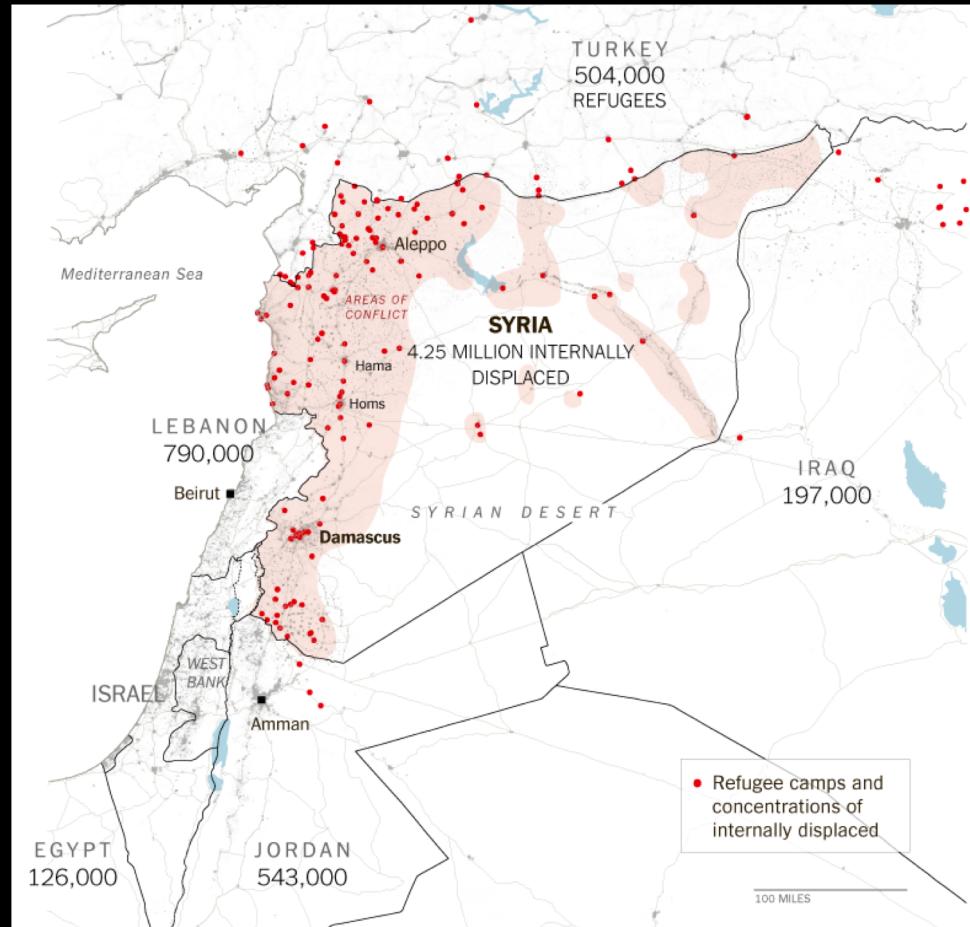
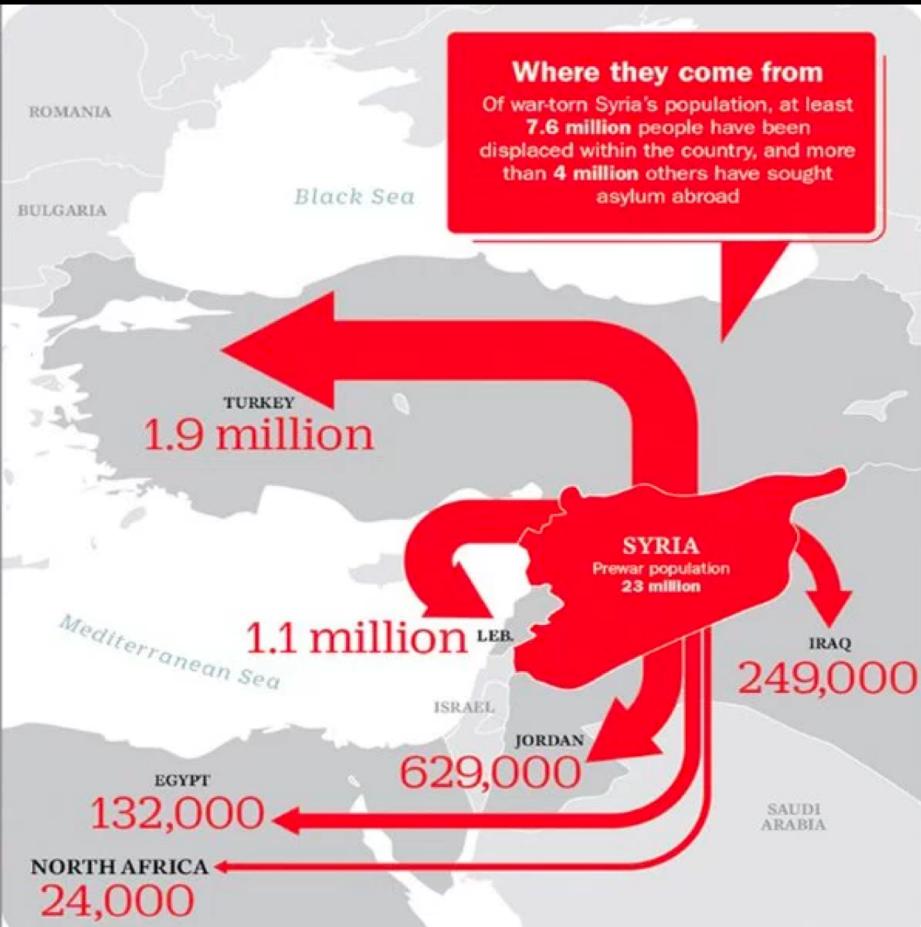
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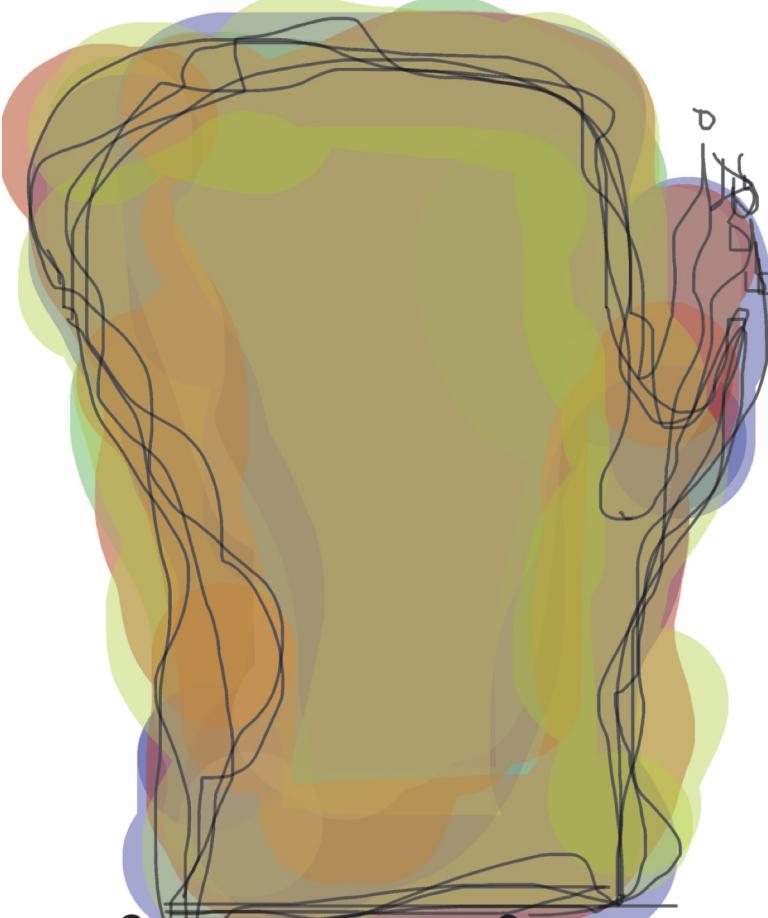
Make labor visible



Collectively Mapping Borders

Meghan Kelly





Wisconsin

As seen by the many who live there



🔍 map



Results for “map”

34,964 icons 768 collections



Rethinking binaries

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

HOME ABOUT ACCESS SUBMIT PROJECTS DONATE FAQ CONTACT

MISSING & MURDERED INDIGENOUS WOMEN DATABASE

© 2018 ANNITA LUCCHESI. PROUDLY CREATED WITH WIX.COM

E BEA JENNIKA NERISSA MAKAYLA SAMANTHA LATOYA VERA MIA FREIDA RAINBOW SAMMI TASHAYNI
LYNNE DESTINY RUBINA MAE LAURIE JOCELYN MERCEDES EARLENE KEESHA ADRIENNE JASMINE RAQ
INIA 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/healagence/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 BLACK SNAKE IN SIOUX COUNTRY

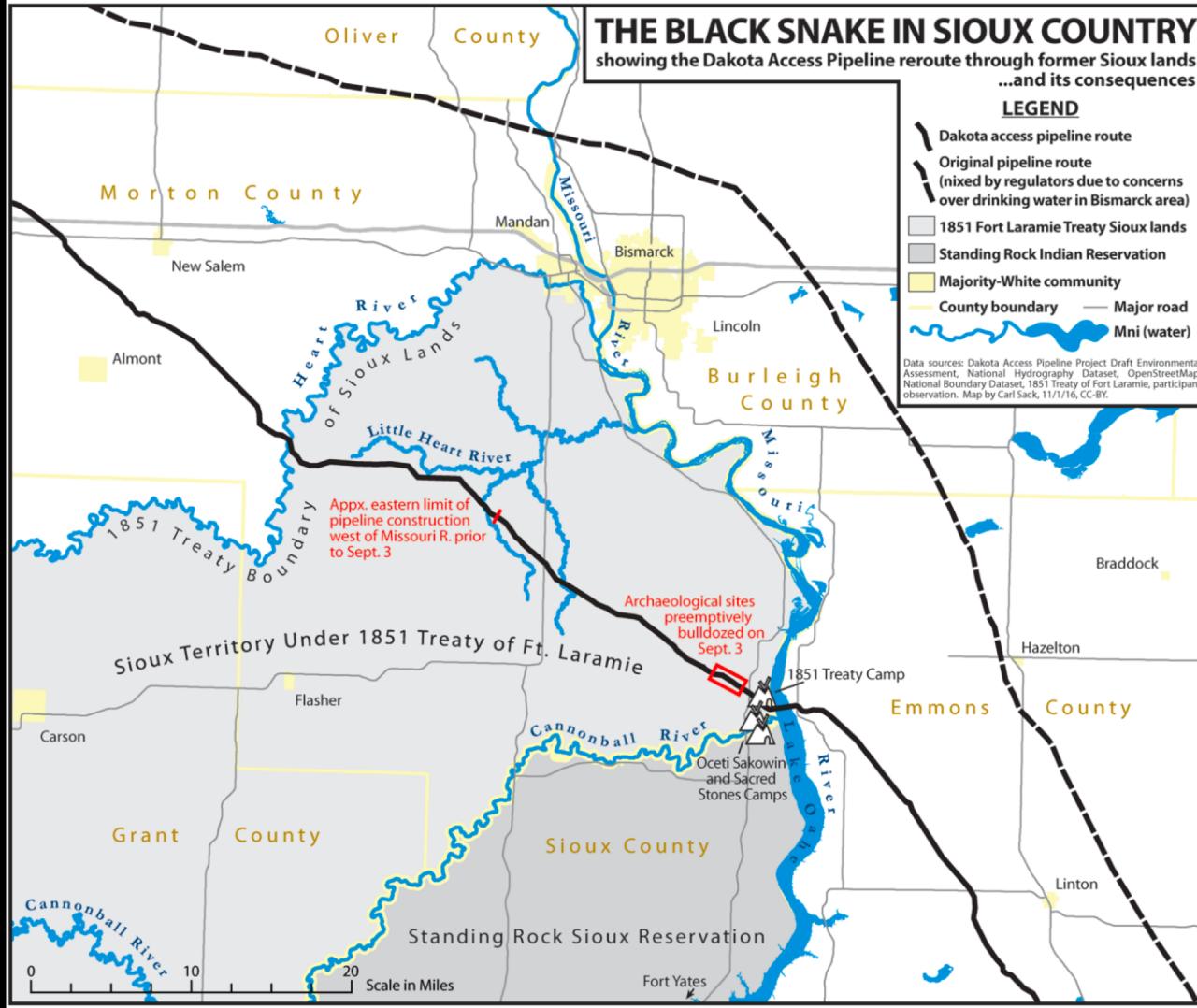
showing the Dakota Access Pipeline reroute through former Sioux lands ...and its consequences

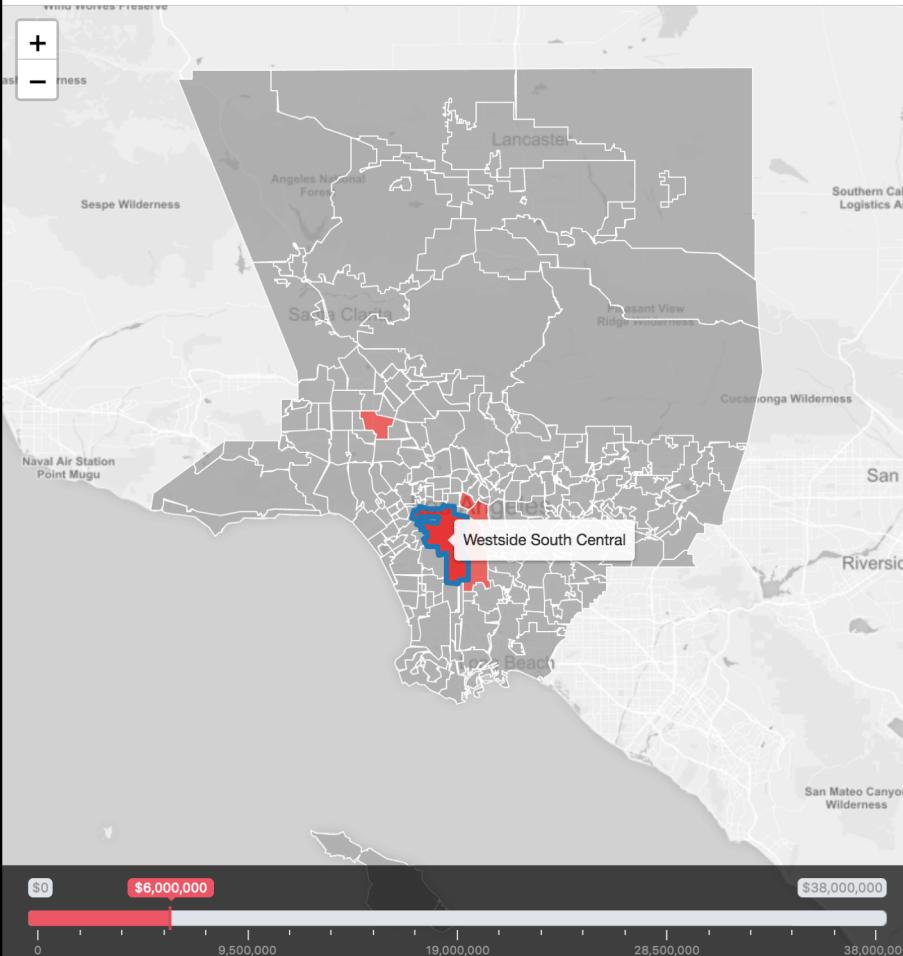
LEGEND

- Detailed description: This map highlights the Standing Rock Sioux Reservation in North Dakota. It includes several key features:

 - 1851 Fort Laramie Treaty Sioux lands:** Shown as a light gray area.
 - Standing Rock Indian Reservation:** Shown as a medium gray area.
 - Majority-White community:** Shown as a yellow area.
 - County boundary:** Indicated by a thin black line.
 - Major road:** Indicated by a thick black line.
 - Mni (water):** Indicated by a wavy blue line representing the Missouri River.
 - Dakota access pipeline route:** Shown as a dark blue line.
 - Original pipeline route (nixed by regulators due to concerns over drinking water in Bismarck area):** Shown as a dashed dark blue line.
 The map also shows the location of Bismarck, ND, and the state border between North and South Dakota.

Data sources: Dakota Access Pipeline Project Draft Environmental Assessment, National Hydrography Dataset, OpenStreetMap, National Boundary Dataset, 1851 Treaty of Fort Laramie, participant



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

LAPD 2012-2017 by Neighborhoods

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

Westside South Central

\$38,104,024

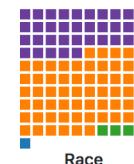
Cost of incarceration

165,785

Days in jail

71,461

Number of arrests

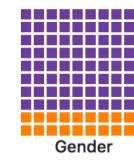


Hispanic 24907 (35%)

Black 43633 (61%)

White 1826 (3%)

Other 1095 (2%)



Male 56526 (79%)

Female 14935 (21%)

Rethinking binaries

Embracing pluralism

Examine power and **Aspire to empower**

Consider context and subjectivity

Representing Uncertainty

Legitimize embodiment and affect

Make labor visible

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

Search

Where is this?

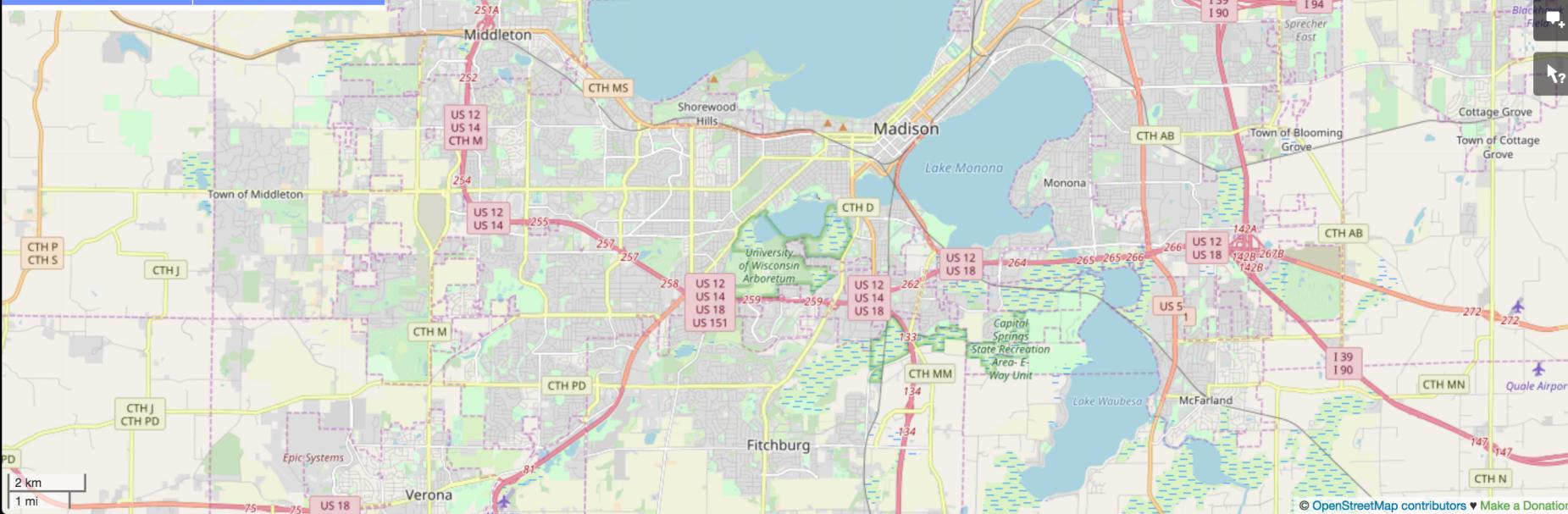
Go



Welcome to OpenStreetMap!

OpenStreetMap is a map of the world, created by people like you and free to use under an open license.

Hosting is supported by UCL, Bytemark Hosting, and other [partners](#).

[Learn More](#)[Start Mapping](#)

2017 DESIGN CHALLENGE

hosted by the UW-Madison Cartography Lab

March 4, 2017 • 9am–8pm • UW-Madison Cartography Lab

MEANINGFUL WORK FOR YOUR CITY

Maps are powerful and persuasive visuals for tackling local needs. The 2017 Design Challenge will focus on mapping and community needs in Madison!

Participants will create a comprehensive plan for Madison focused on community services (where are the services and who



Our Needed Community Center

Bridge Lake Point Neighborhood Center offers a range of successful child and adult programs.

We are in desperate need of more space! All of our programs have waiting list of at least 5 people.

We also need more public space amenities for our neighbors in Bridge Lake Point and Waunona.

Many of our city's neighborhood centers have the following amenities, which are currently missing from our neighborhood:

- cafés
- sitting and reading spaces with wifi
- computer lab
- fitness center
- basketball gyms and rec centers
- art and cooking classes
- gallery space and theater
- community kitchen and event space

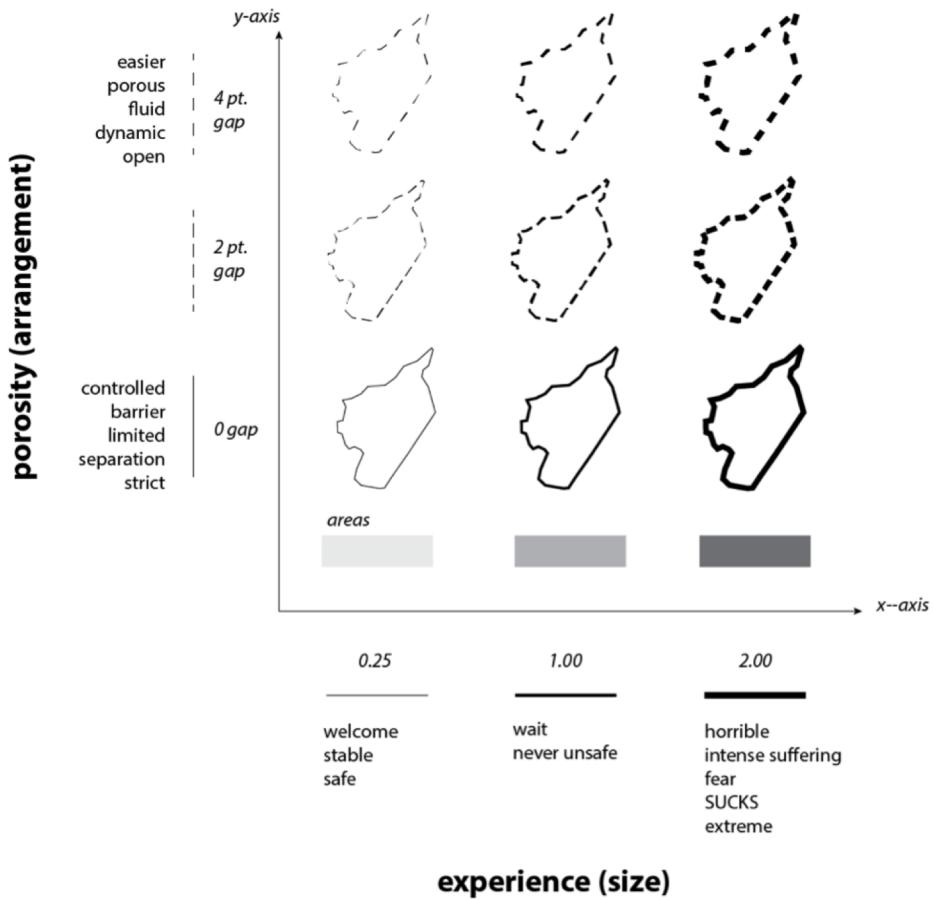


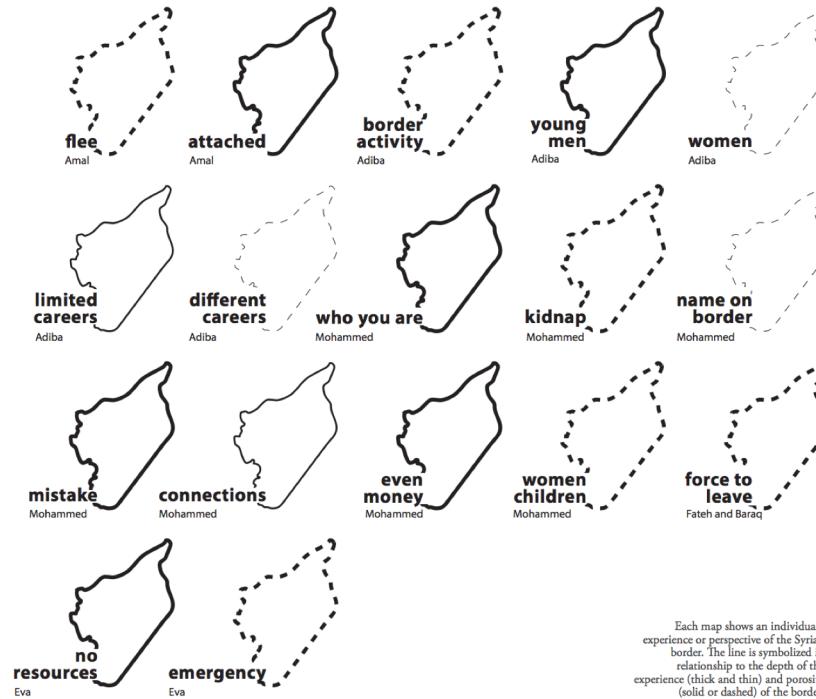
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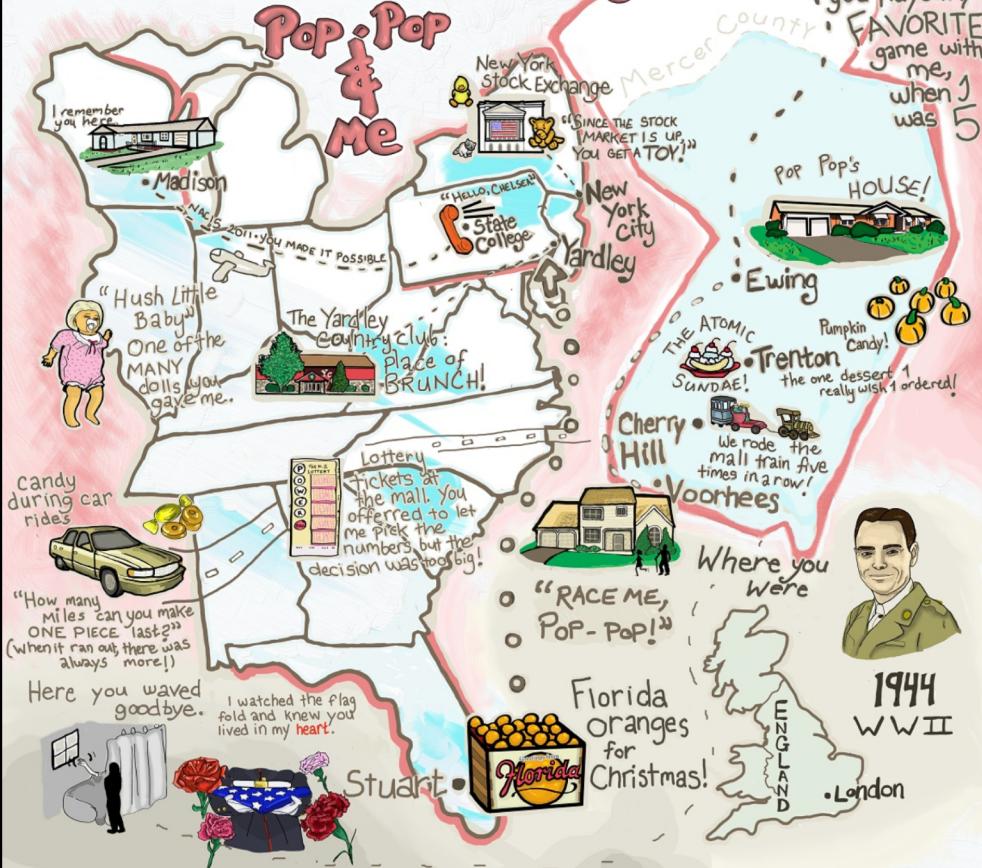
Feminist Data Viz Principles (D'Ignazio and Klein 2016)

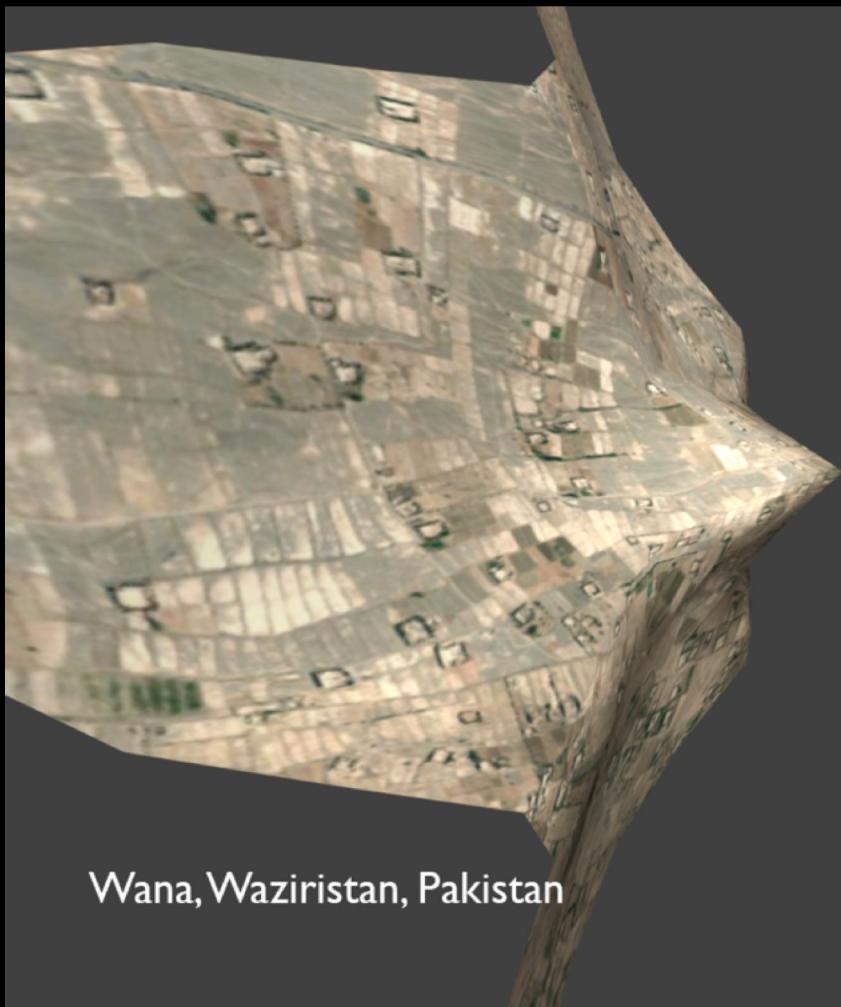




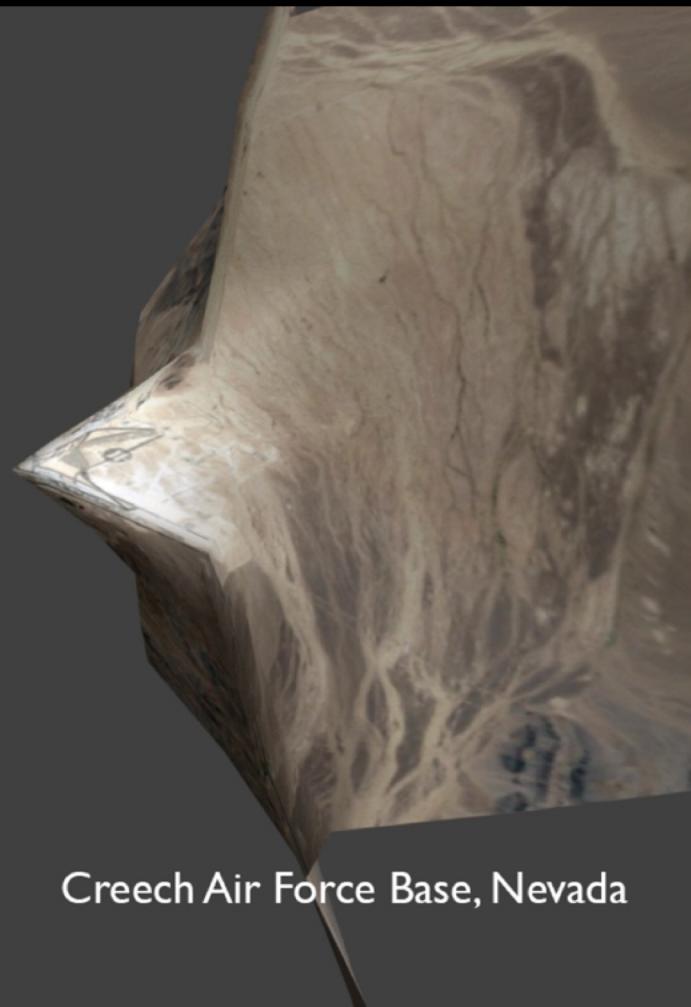
Each map shows an individual's experience or perspective of the Syrian border. The line is symbolized in relationship to the depth of the experience (thick and thin) and porosity (solid or dashed) of the border.

The Places We've BEEN!





Wana, Waziristan, Pakistan



Creech Air Force Base, Nevada

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Collectively Mapping Borders

Meghan Kelly

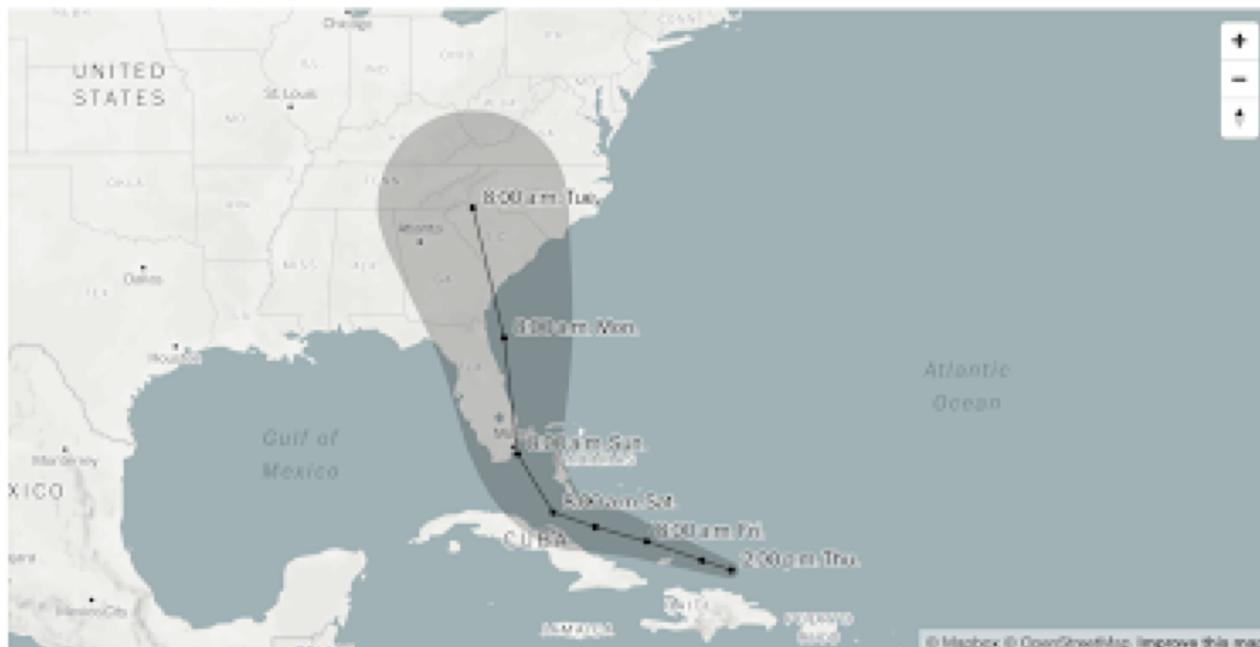


What's in the path of Hurricane Irma

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

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

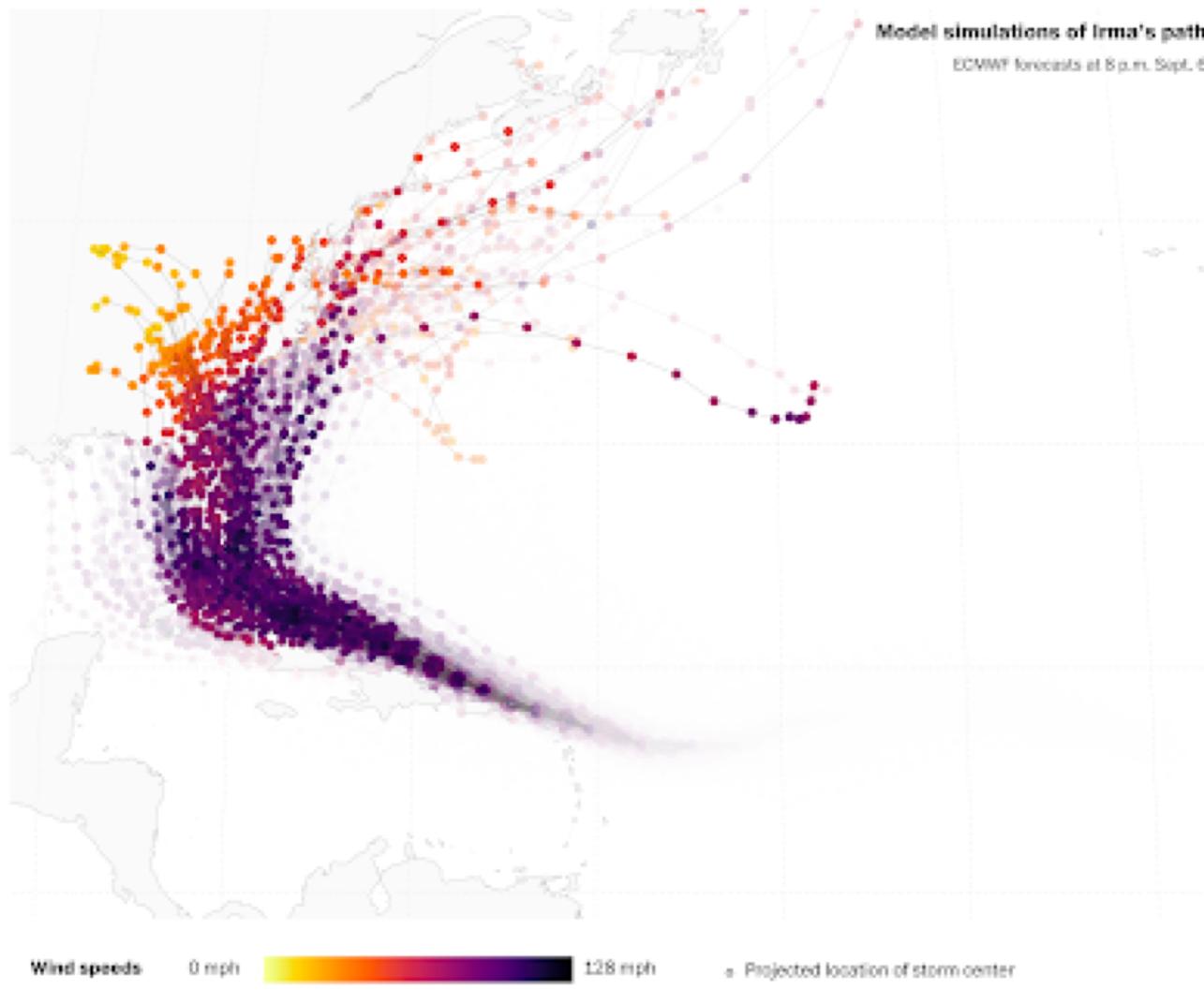
Updated Sept. 7 3:35 p.m.



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

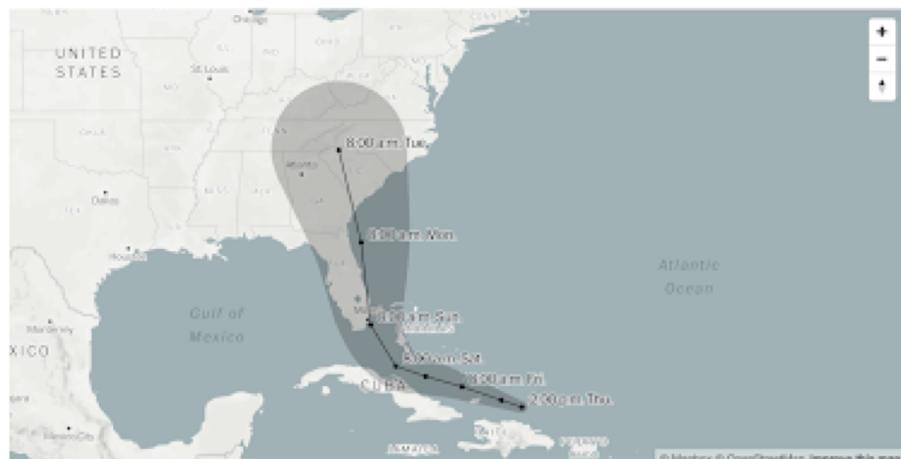


National

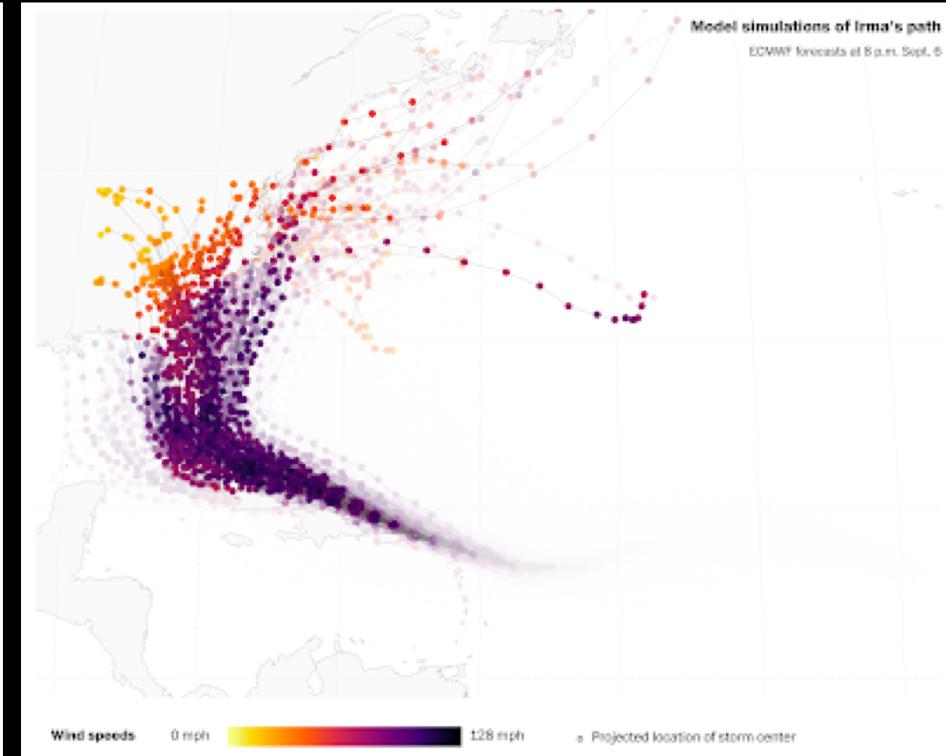
What's in the path of Hurricane Irma

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Updated Sept. 7 3:15 p.m.



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



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Embodiment

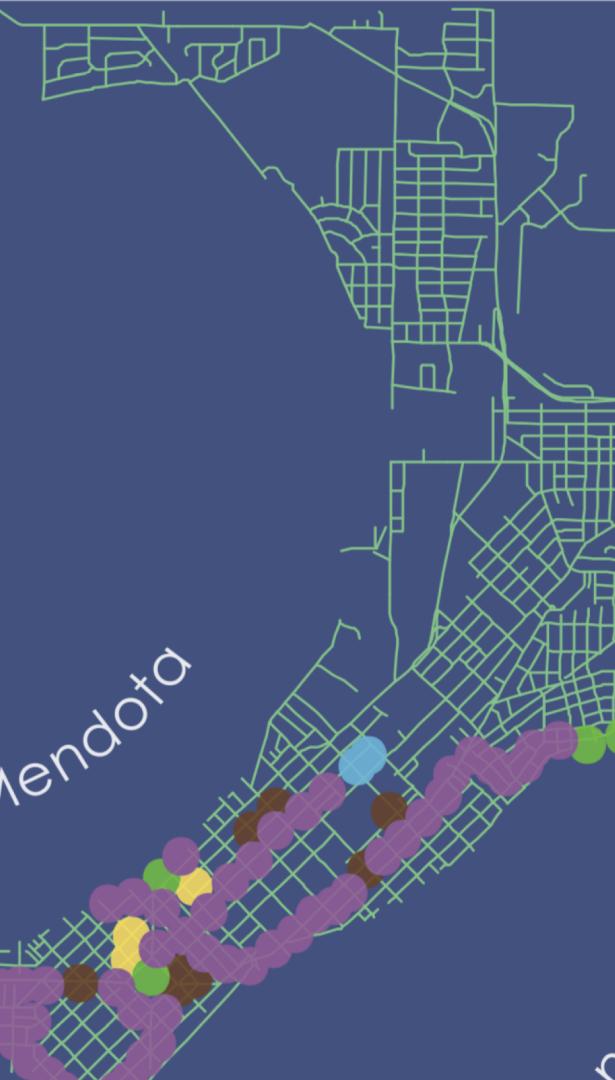
Emotion map of Madison

2 Miles



- In a rush/low awareness
- Socializing/low awareness
- Solitary/high awareness
- Comfort/normal awareness
- Learning/high awareness

Lake Mendota







Trump's America



Clinton's America

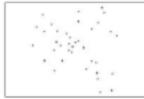


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AA_Polling_Locations

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:

253 Donald Trump, Adults, 11/18/2017, 37.66021, 41.32718, 33.99324, 55.76469, 60.22801, 51.30137, 13:18:21 18 Nov
254 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
257 Donald Trump, Voters, 11/16/2017, 39.17174, 43.72231, 34.62126, 55.44165, 59.49014, 51.39315, 22:26:26 16 Nov
258 Donald Trump, Adults, 11/16/2017, 37.56749, 41.25370, 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, 51.38167, 21:47:25 15 Nov
261 Donald Trump, Adults, 11/15/2017, 37.50933, 41.1248, 33.88186, 56.09988, 60.62872, 51.57123, 21:47:20 15 Nov 2
262 Donald Trump, All polls, 11/15/2017, 38.86255, 42.49938, 33.66573, 55.61642, 60.02230, 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
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267 Donald Trump, Adults, 11/13/2017, 37.26438, 40.86128, 33.72747, 56.38675, 61.30583, 51.46766, 13:07:22 13 Nov
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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, 55.9723, 60.75954, 51.18506, 13:07:15 12 Nov
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273 Donald Trump, Voters, 11/11/2017, 38.91225, 43.31968, 34.50483, 55.91314, 60.30188, 51.52439, 18:28:30 11 Nov
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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, 56.08803, 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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congress-generic-ballot

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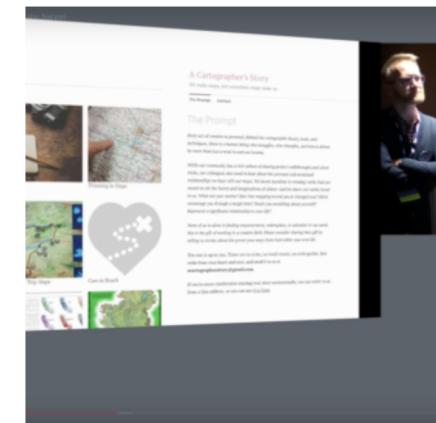
A Cartographer's Story

We make maps, but sometimes maps make us.

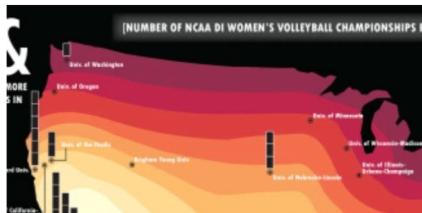
The Prompt Contact



An Introduction



Bringing the Show to NACIS



A Cartographer's Story

We make maps, but sometimes maps make us.

[The Prompt](#) [Contact](#)

The Prompt

Every act of creation is personal. Behind the cartographic theory, tools, and techniques, there is a human being who struggles, who triumphs, and who is driven by more than just a need to earn an income.

While our community has a rich culture of sharing project walkthroughs and clever tricks, our colleagues also need to hear about the personal and emotional relationships we have with our maps. We invest ourselves in creating works that are meant to stir the hearts and imaginations of others—and in return our works invest in us. What are your stories? How has mapping moved you or changed you? Did it encourage you through a tough time? Teach you something about yourself? Represent a significant relationship in your life?

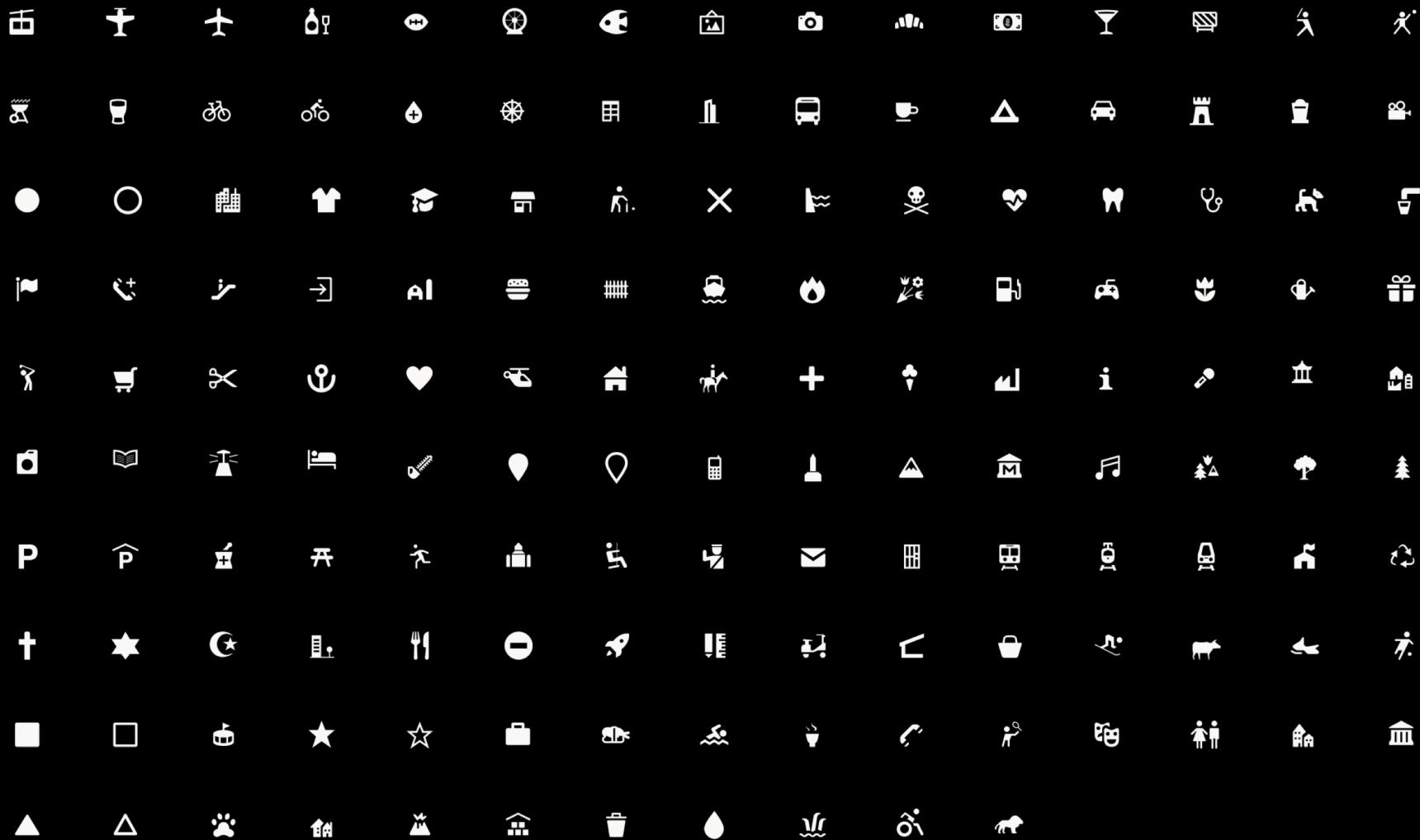
None of us is alone in finding empowerment, redemption, or salvation in our work; this is the gift of working in a creative field. Please consider sharing that gift by telling us stories about the power your maps have had within your own life.

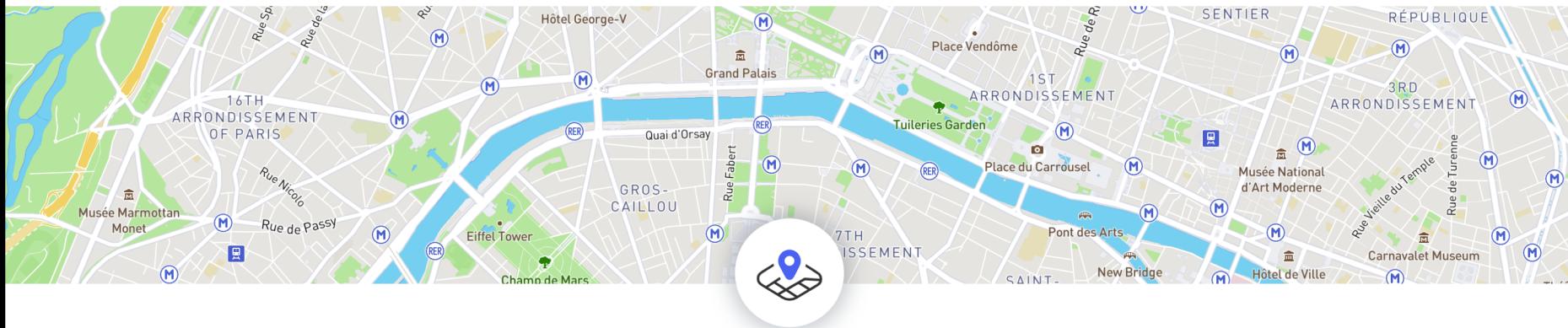
A map may be feminist in
content, form, and/or process.

Defining Feminist Cartographies

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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.

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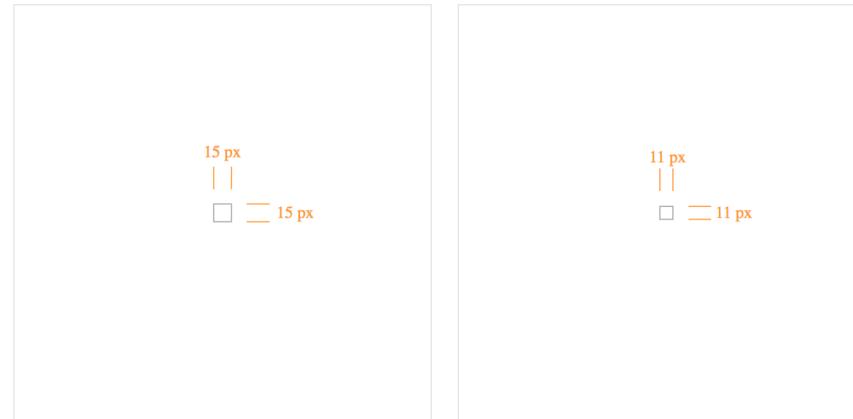
MAKI

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](#).

[!\[\]\(8e365c2e58e999a8e0bfa50cad31206d_img.jpg\) Download Maki](#)

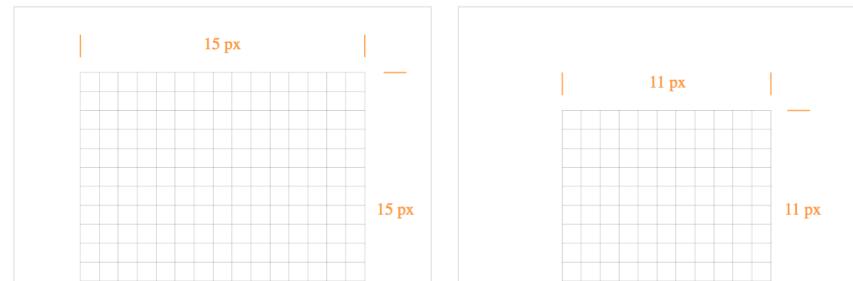
Maki icons use the pixel grid

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%.

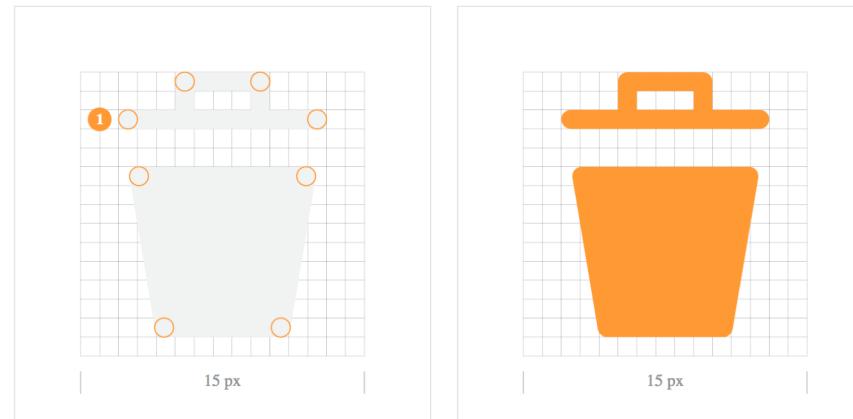


[Getting started](#)[Sizing & layout](#)[Geometry](#)[File specs](#)[Workflow](#)[Contribute](#)

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

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



swimming

Rethinking binaries

Embracing pluralism

Examine power and aspire to empower

Consider context and subjectivity

Representing uncertainty

Legitimize embodiment and affect

Make labor visible



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

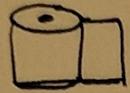
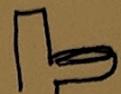
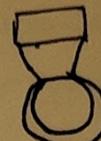


toilet

- 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 icon

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

- probably the most inclusive

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Step 4: Discuss your designs within your group and prepare to share your process and designs with the broader group!

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swimming



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