

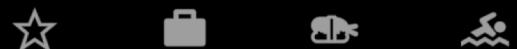
*Materials available here:*

<https://tinyurl.com/MaptimeAMS-19>



# A practical introduction to *feminist cartographies*

Meghan Kelly | @meghankellymaps



# *Agenda*

First... what is *feminism*?

First... what is *feminism*?  
(thoughts from the crowd)



What are feminist cartographies in  
**theory** and what does feminist mapping  
look like in **practice**?

What are feminist cartographies in  
theory and what does feminist mapping  
look like in **practice**?

Critical Cartography / GIS

Feminist Geographies

Feminist Cartography / GIS

Queer GIS

Data Feminism

Feminist Data Visualization

*Influences*

Critical Cartography / GIS

Feminist Geographies

Feminist Cartography / GIS

Queer GIS

Data Feminism

**Feminist Data Visualization**

*Influences*

Catherine D'Ignazio and Lauren Klein (2016)

*Feminist* Data Visualization

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

Feminist Cartographies in *Theory*

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**.

Feminist Cartographies in *Theory*

# 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)*

# Rethinking binaries

Embracing pluralism

Examine power and aspire to empower

Consider context and subjectivity

Representing Uncertainty

Legitimize embodiment and affect

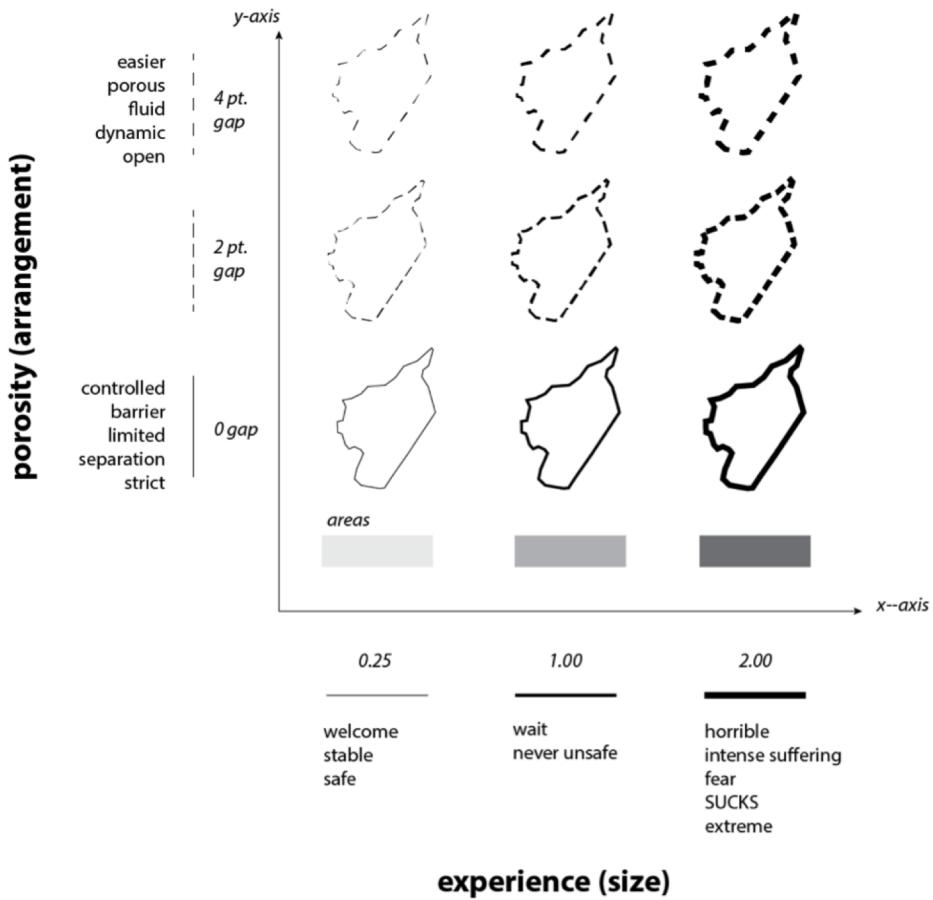
Make labor visible

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



toilet

*Rethinking* Binaries

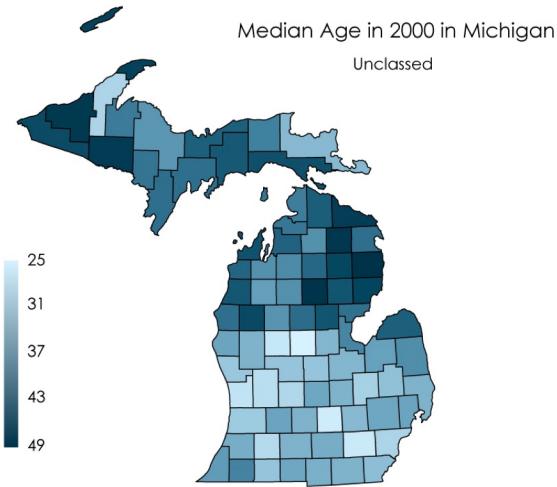
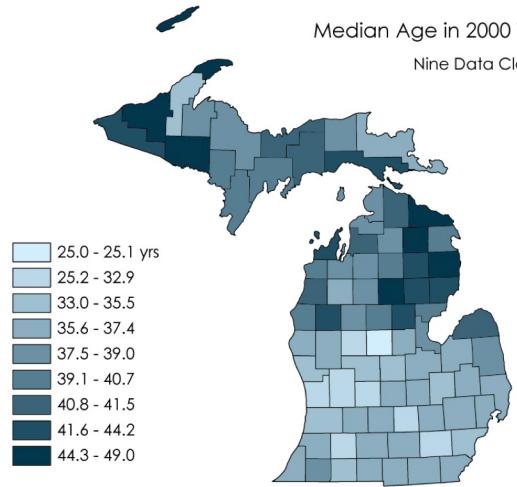
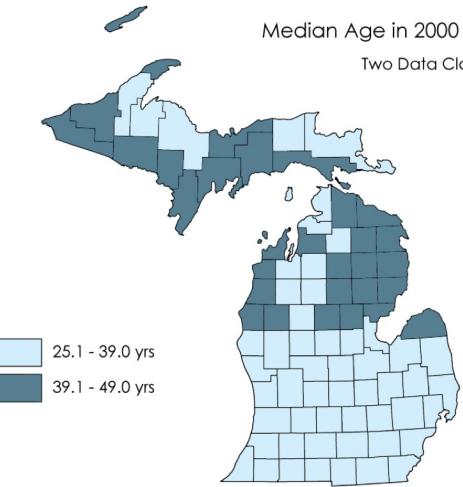


POINTS OF  
ACCESS ON THE  
US-MEXICO BORDER

- - / POINT OF ENTRY

"UNITED STATES OF AMERICA"

"ESTADOS UNIDOS MEXICANOS"



Rethinking binaries

## **Embracing pluralism**

Examine power and aspire to empower

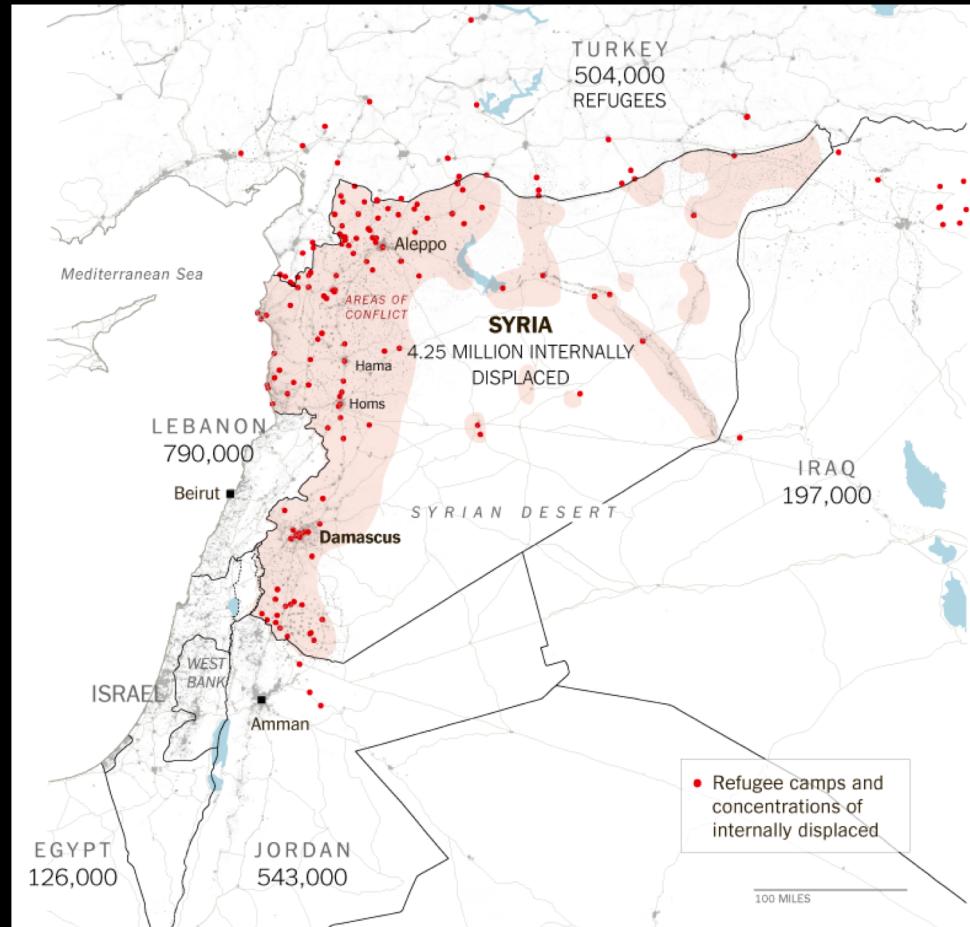
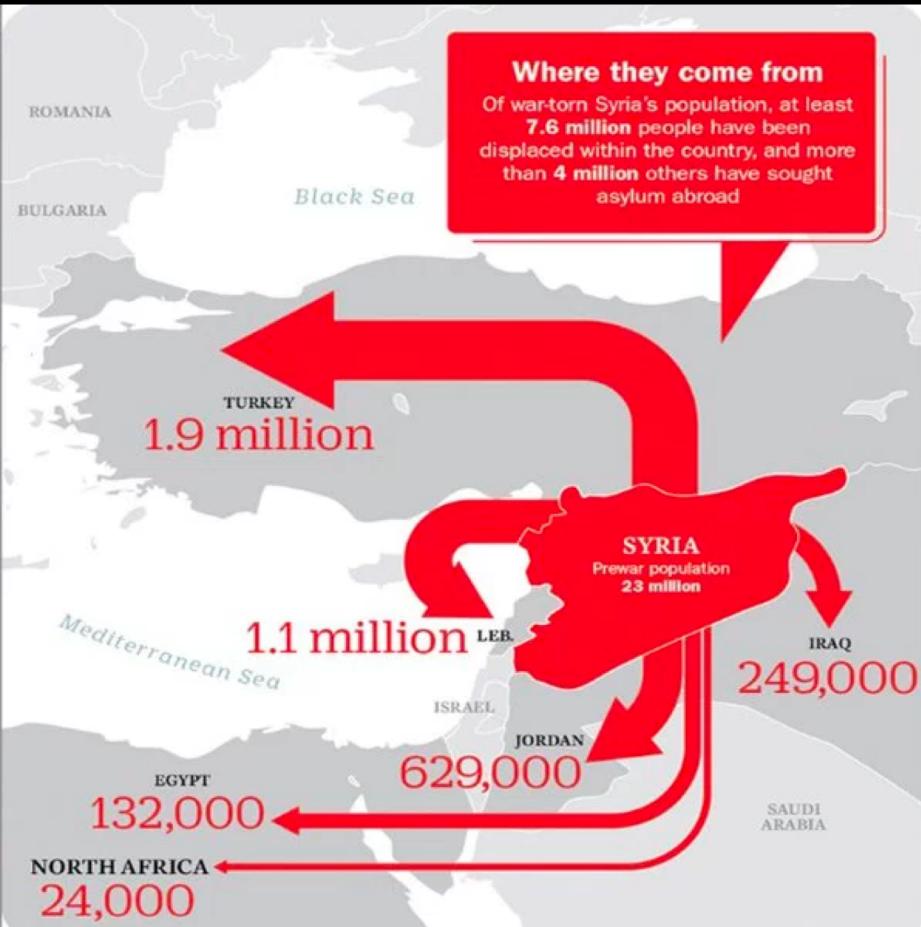
Consider context and subjectivity

Representing Uncertainty

Legitimize embodiment and affect

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



## Collectively Mapping Borders

Meghan Kelly





# Wisconsin

As seen by the many who live there

Rethinking binaries

Embracing pluralism

**Examine power** and aspire to empower

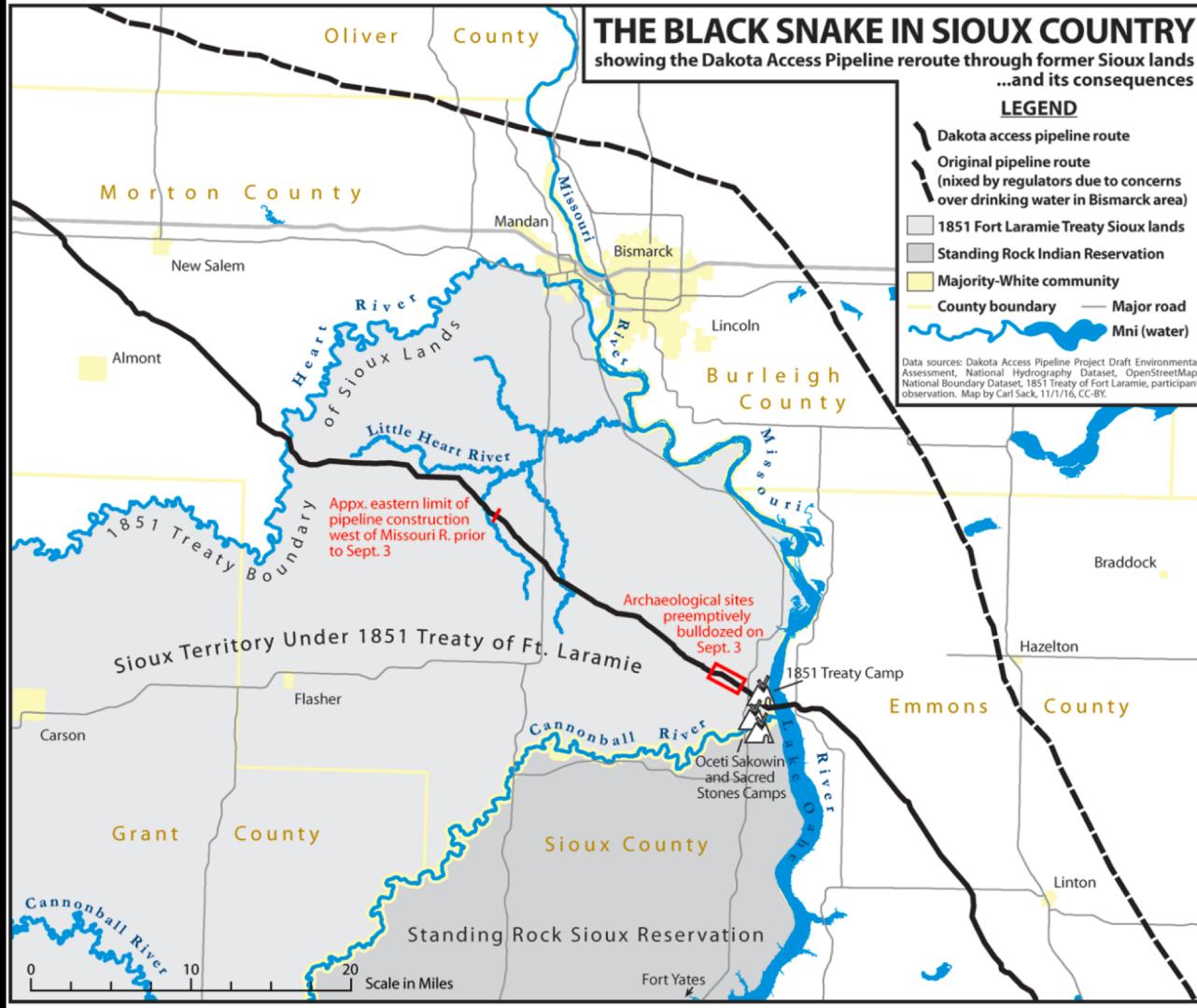
Consider context and subjectivity

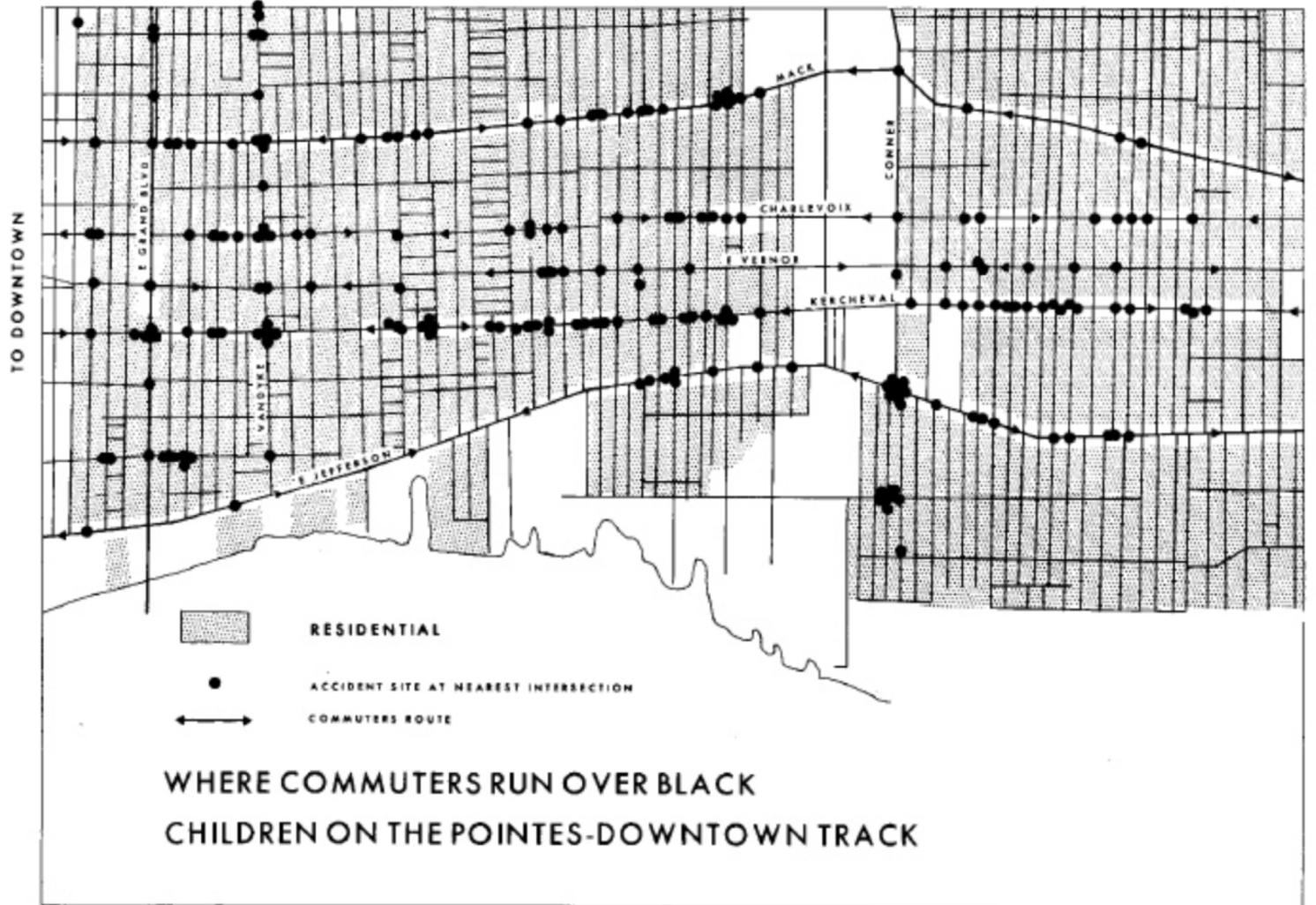
Representing Uncertainty

Legitimize embodiment and affect

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Rethinking binaries

Embracing pluralism

Examine power and **Aspire to empower**

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# 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

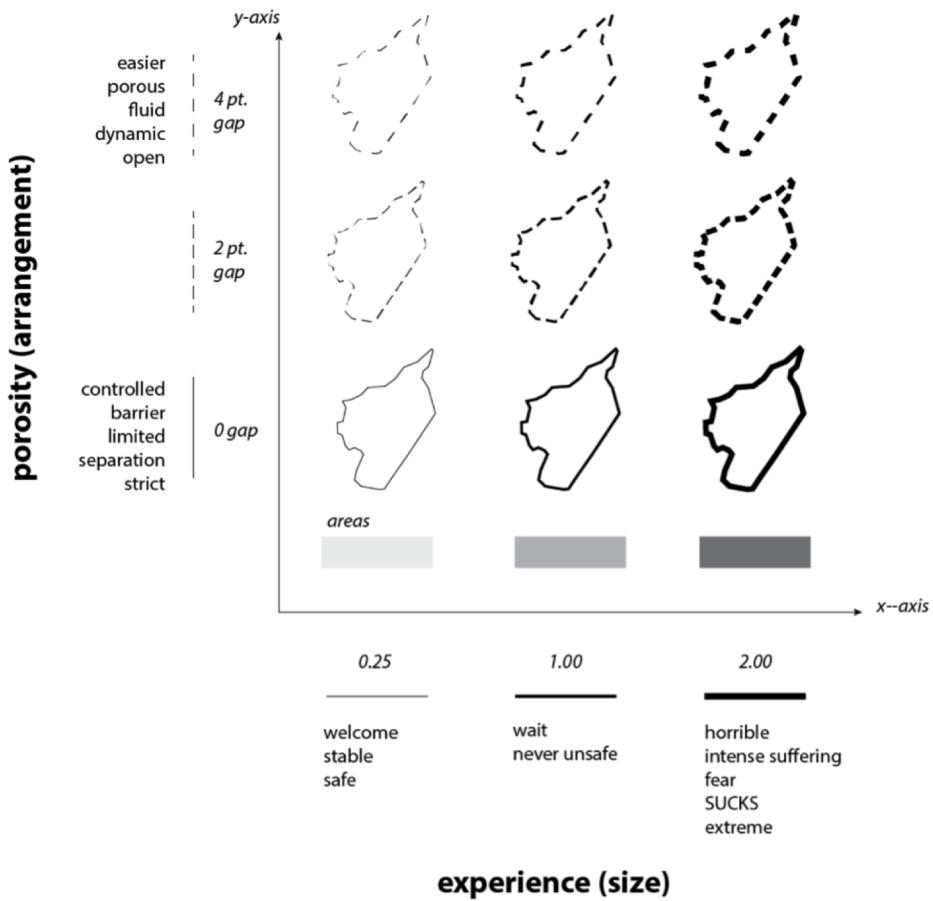


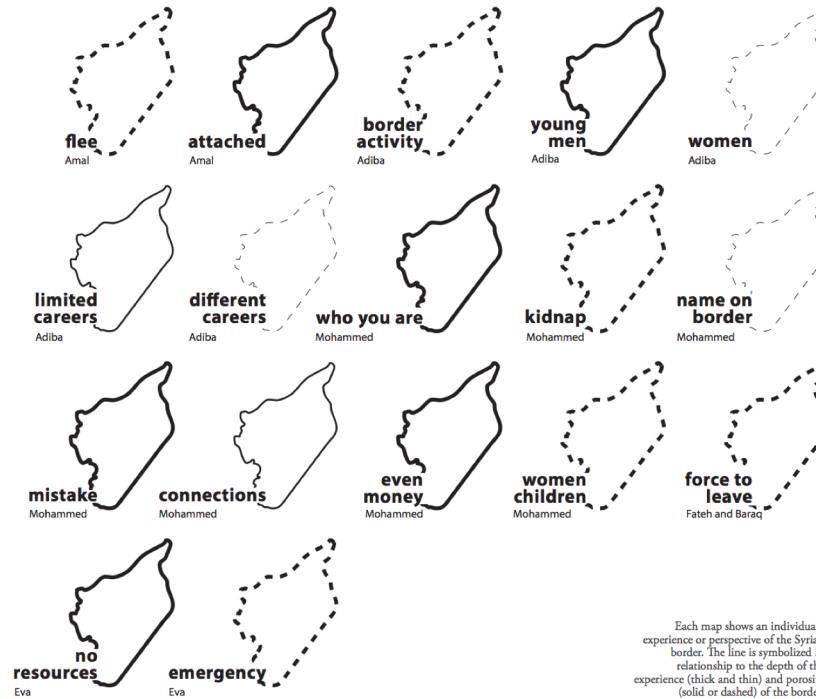
Rethinking binaries  
Embracing pluralism  
Examine power and Aspire to empower

## **Consider context and subjectivity**

Representing Uncertainty  
Legitimize embodiment and affect  
Make labor visible

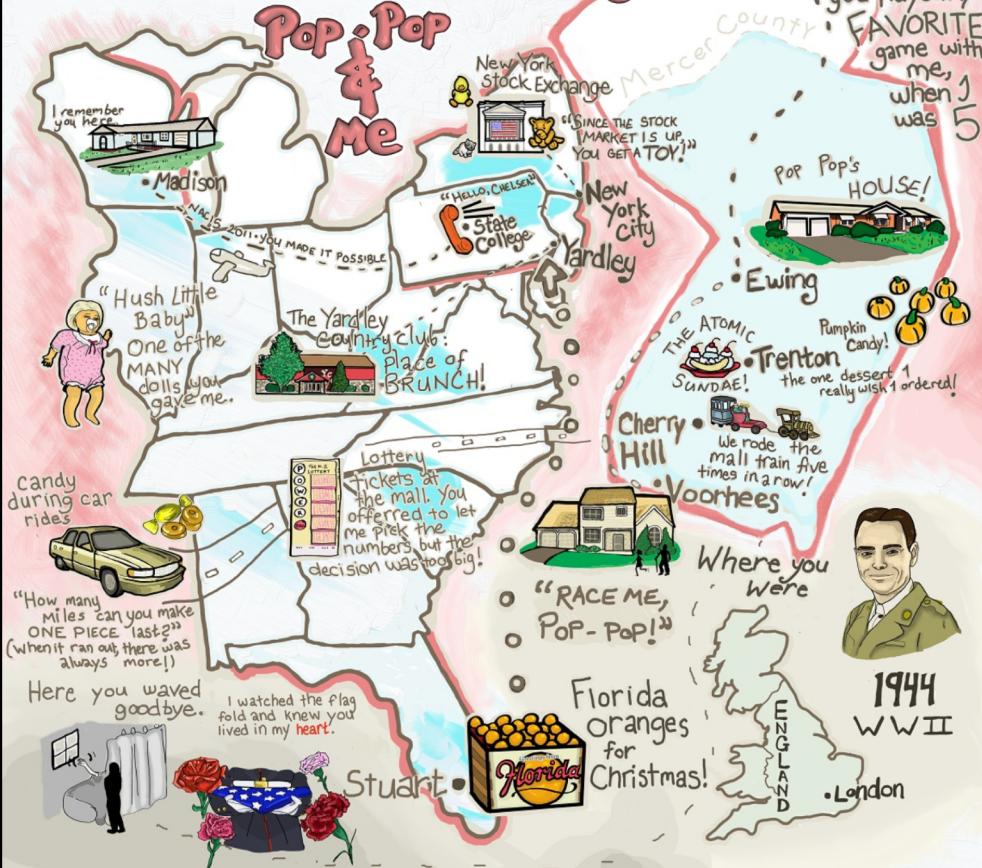
*Feminist Data Viz Principles (D'Ignazio and Klein 2016)*

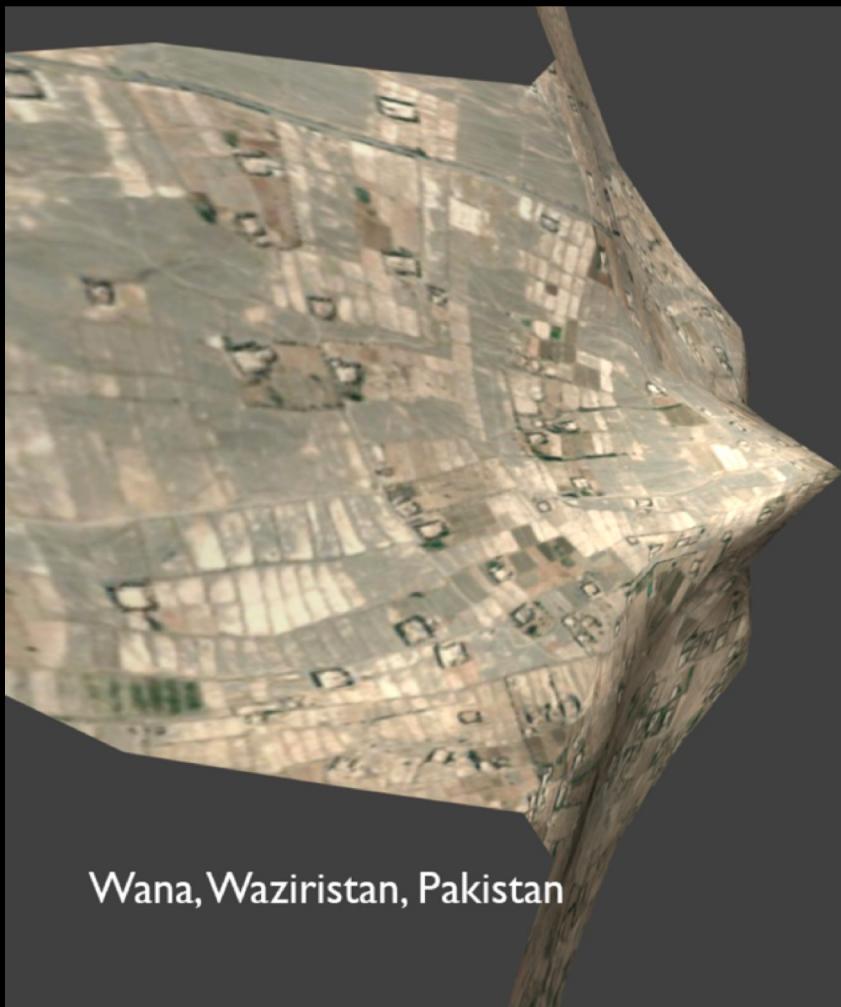




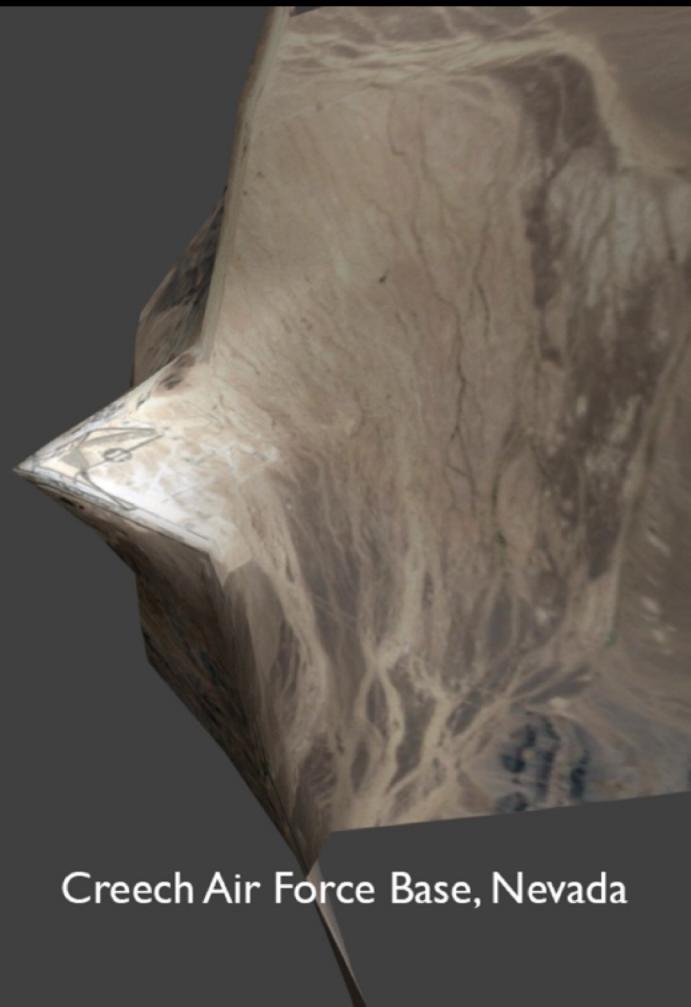
Each map shows an individual's experience or perspective of the Syrian border. The line is symbolized in relationship to the depth of the experience (thick and thin) and porosity (solid or dashed) of the border.

# The Places We've BEEN!





Wana, Waziristan, Pakistan



Creech Air Force Base, Nevada

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)*

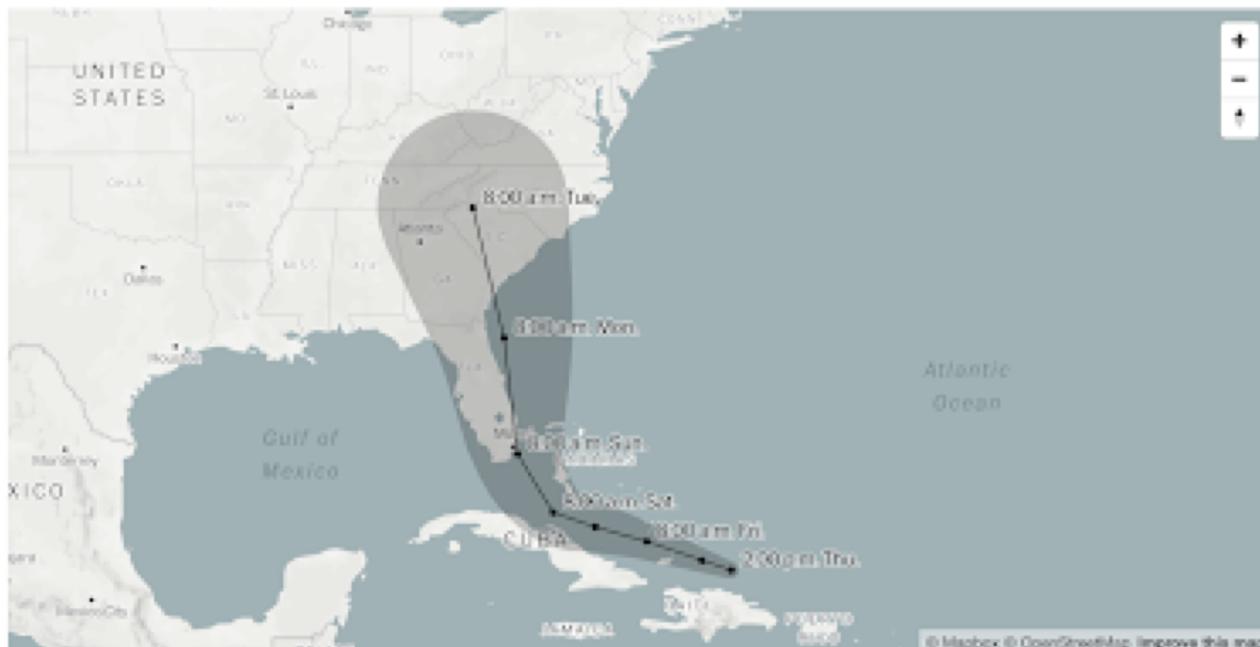


# What's in the path of Hurricane Irma

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**

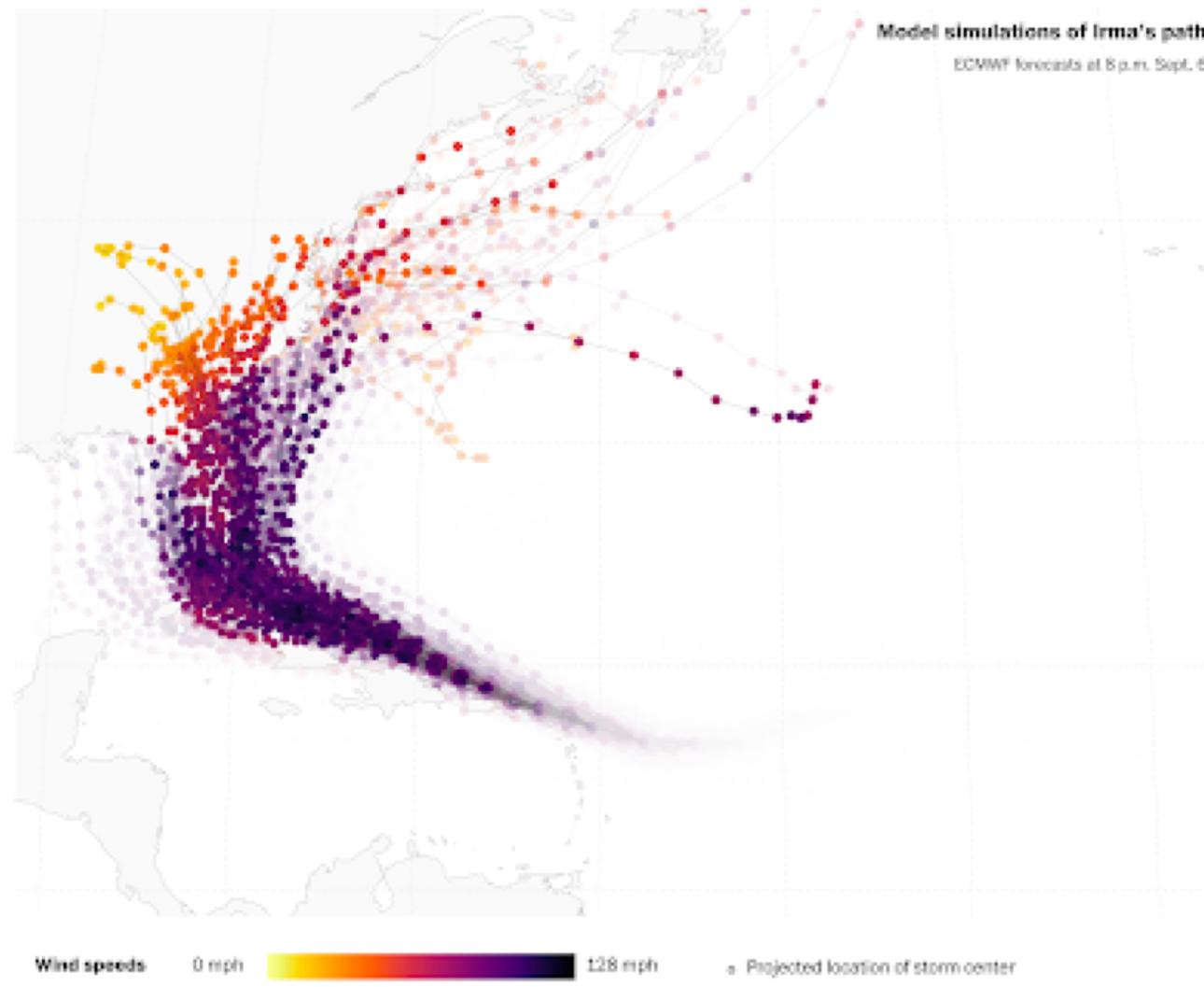
Updated Sept. 7 3:35 p.m.



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



## Collectively Mapping Borders

Meghan Kelly





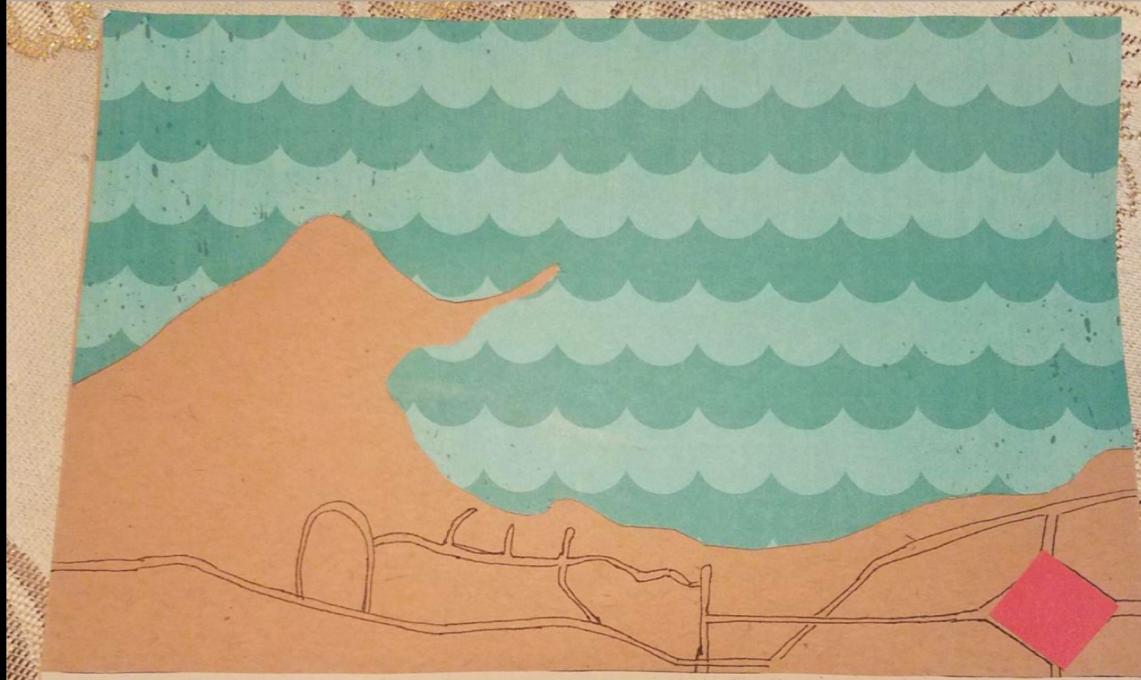
**I was physically -  
hurt in one  
incidence**

Rethinking binaries  
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Consider context and subjectivity  
Representing Uncertainty

## **Legitimize embodiment and affect**

Make labor visible

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



- Body + Embodiment -

Body: one biological object, binaries

Embodiment: lived experience of human  
beings

# Embodiment

## Emotion map of Madison

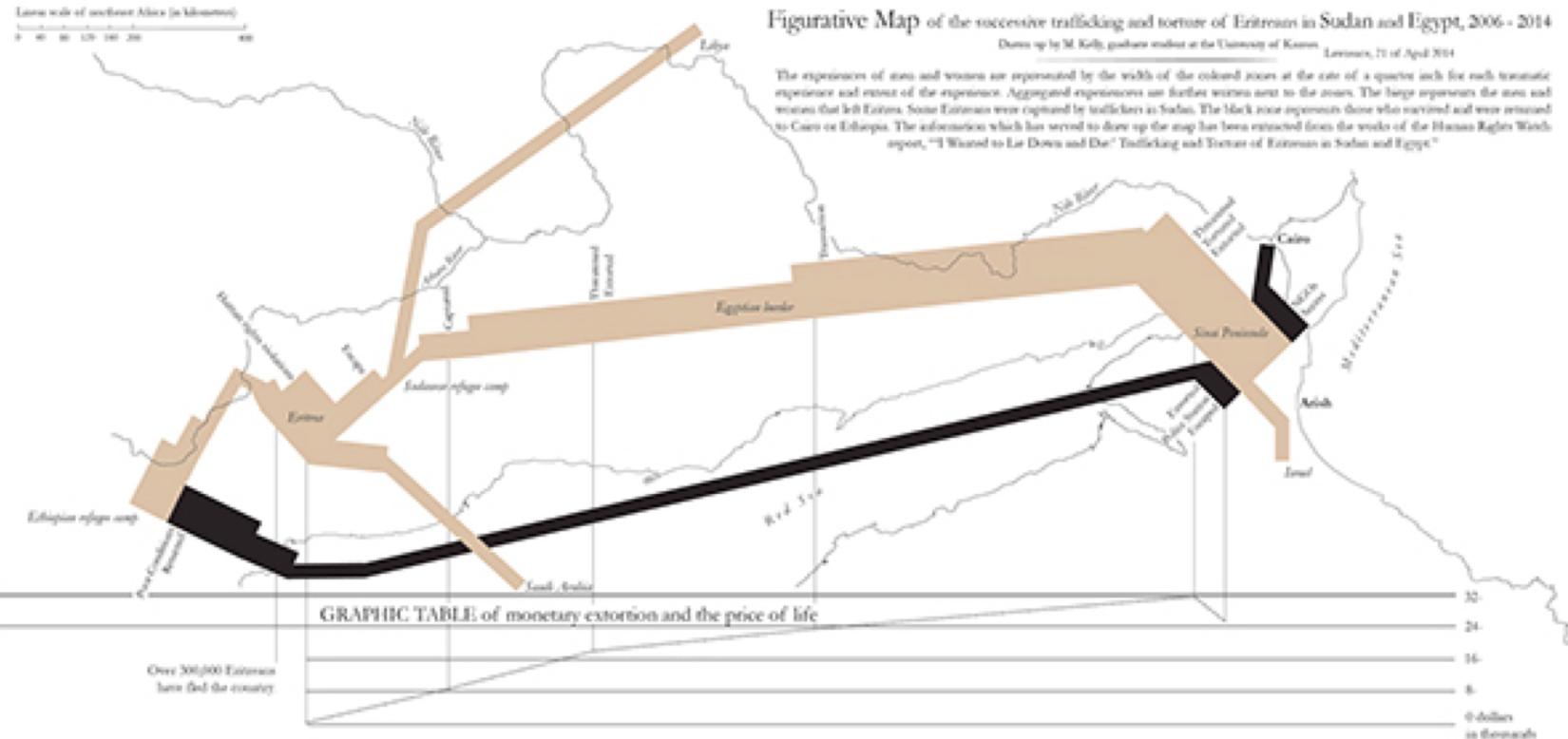




Lakes and rivers of northeast Africa (in kilometers)

0 40 80 120 160 200 240

400



# "And I thought I was going to die..."

## A Survivor's Map

An Egyptian man was kidnapped by traffickers outside of Sufiyyah Shagur refugee camp in March 2012. These traffickers handed him over to Egyptian traffickers in southern Egypt, who held him in Sinai with 24 other men and eight women for six weeks.

This map follows the survivor's route through an interview with Human Rights Watch as he traveled from south to north in 2012. At the time, he was 25 years old. In the map, the spectrum of the survivor's experience is portrayed by giving each day its own palette, guided by his words. The absence of color within a frame represents the unknown and simultaneously reflects continued movement in the journey. The size of each frame is proportional to the amount of money involved. The world outside his experience is mapped here in unzoomed and inaccessible.

Each experience represented is a landscape of vegetation, mood, and story. Each experience is a map different from the one came before and that which will follow, yet connected to all other experiences as to form the broader map of the survivor's story.

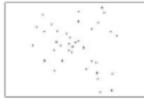


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## AA\_Polling\_Locations

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,11/18/2017,37.66821,41.32718,38.99324,55.76469,60.22801,51.30137,137.18:21 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  
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255 Donald Trump,Voters,11/17/2017,39.28837,43.7735,34.999,55.46194,59.46125,51.46262,14:27:25 17 Nov 2  
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278 Donald Trump,Voters,11/9/2017,38.82588,43.16136,34.4888,56.08883,60.37885,51.63721,15:22:24 9 Nov 20

### Our Data

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

[data.fivethirtyeight.com](http://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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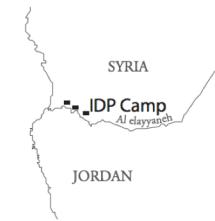
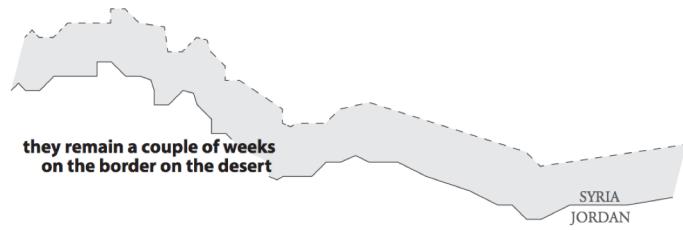
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**Are Democrats Or Republicans Winning The Race For**

a day ago •

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### Fateh and Baraq

Syrian-Jordanian borderland

For those that reach the border, Fateh and Baraq described the border as space, not a line.

Several months ago, there were like 5000 refugee on the border waiting for the Jordan government approval to give them the permission to enter Jordan, so they remain a couple of weeks on the border... the Jordanian army and UNHCR distributed the food, water, and shelter during that time... they spent some days on the desert in area called Al elayaneh...

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**content, form, and/or process.**

*Feminist* Cartographies in Thoery

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

*Feminist Cartographies in Thoery*



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

*Designing Feminist Icons*





baseball



basketball

bicycle  
share

circle

circle  
stroke

clothing



college



cricket



dentist



doctor



entrance



golf



hairdresser



heart



lodging



marker



pitch



playground



police



shop



skiing



soccer



square



square stroke



star



star stroke



suitcase



swimming



tennis



theater



toilet



triangle

triangle  
stroke

wheelchair

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

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

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**Step 3:** Reflect on your designs in writing / with annotations.

What icon are you working with? Which feminist data visualization principles are you drawing on? How does your icon improve the original design? When would you use your icon and what are the limitations of your design?

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swimming



toilet



toilet

Log in

Results for “toilet”

2,039 icons 90 collections



Search for anything

# Gender Neutral Bathroom

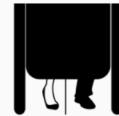
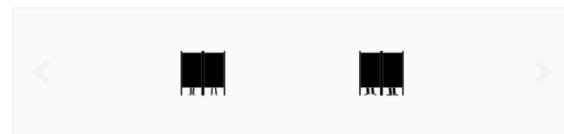
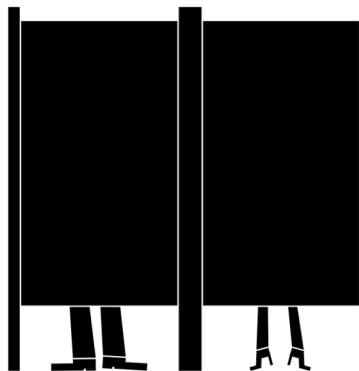
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police



Q police

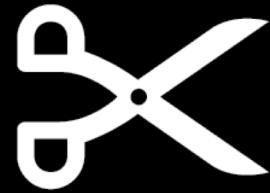


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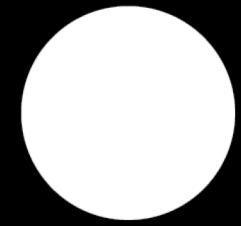
doctor



hairdresser



square



circle

Thanks!

@meghankellymaps