WEEK 3 POLITICS 📢**DATA MANIFESTO** 📢

How should you represent data, recognizing all data has politics?

READING RESPONSE *DUE Jul 20*

Read *read time: 27 mins*

- "SimCities and SimCrises," Paolo Pedercini, [link]

Response *response time: 4 hrs*

- **Gather data** (added to your website)
  Continue the exercise from in class gathering data
  - Gather **5 sets of data** on your system that can help illuminate a pain point you described in your 2x2 pain point matrix
    - each dataset should be a **different type** (Images, location: lat lon, location: addresses, interview quotes, text, urls, quantities, ratings, reviews, street view images, audio bites, geometry, etc)
    - each dataset should sample at least **10 records**, for example: at least 10 images, 10 interview quotes, 10 ratings, 10 lat lon locations, 10 reviews. When pulling a smaller number of records from large datasets, watch out for your own biases. When pulling many records from a large dataset, don't get too hung up on capturing and using all the data. This exercise should focus on the data format and less on struggling with big data.

- **Write a 150 word "data manifesto"** (added to your website)
  about what types of data/data collection resonates with your practice. Be sure to illustrate the affordances of each dataset in your writing.
  - How does this data illuminate, or not the "pain points" you hypothesized about in your 2x2? Did datasets support your argument? Were they irrelevant?
  - Was it difficult or easy to find data that could support your hypothesis? Why do you think this was?
  - What picture do these datasets paint? What do they leave out?
  - How might these datasets have politics? Who might have collected this data and for what purpose? How might their tools have impacted an "accurate" reading of your system?
  - Do some of these methods stress a more first person narrative view, while others take a more god's eye view approach?
  - Why are you drawn to particular types of datasets or collection methods?
  - Are there concerns about the data you've found? If you had to correct for these gaps, how might you create your own datasets? User interviews? Surveys? Deploying sensors?

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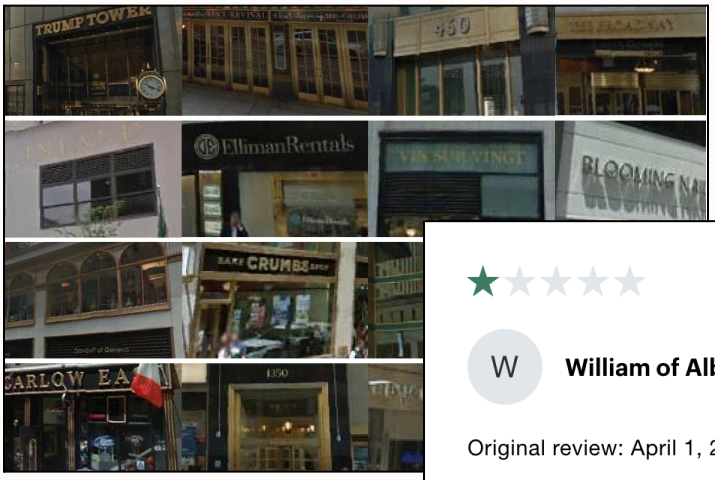
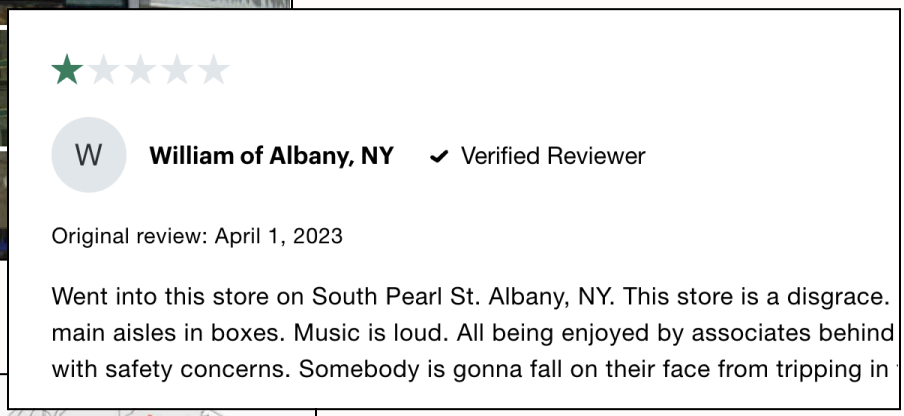
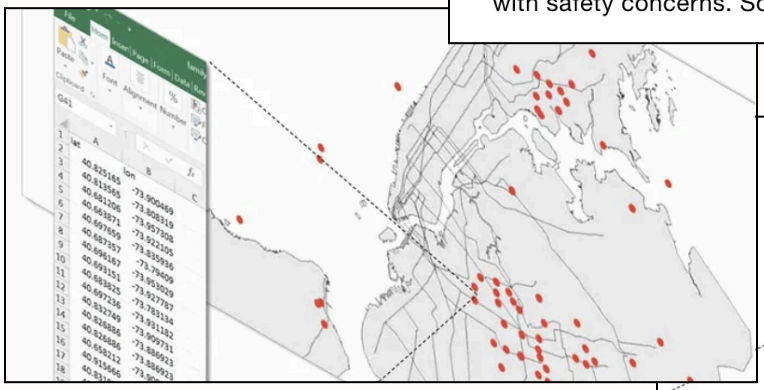
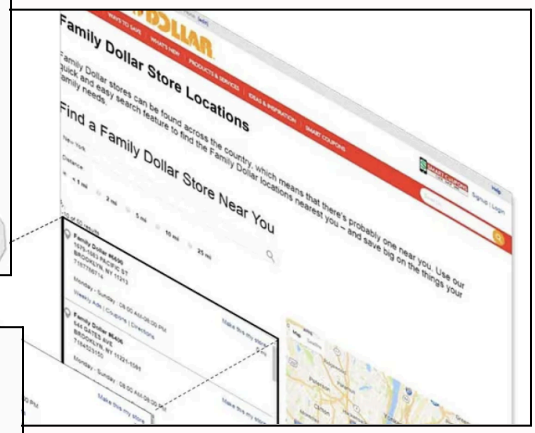
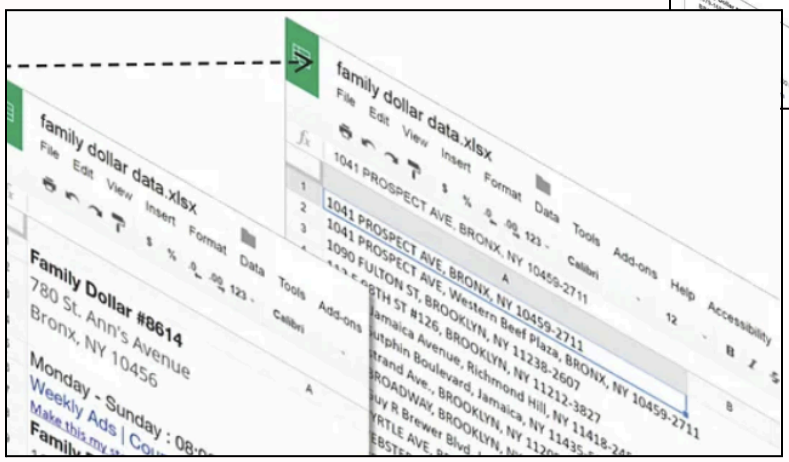
Exercise Goal:
Understand the affordances of data. Get comfortable finding data related to a hypothesis or a pain point. Develop your own opinions about which types of data collection resonate with your practice and think about how you want to represent data recognizing all data is biased.











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METHOD EXERCISE 2

DUE Jul 24

- **Create 3 Sketch Prototypes**(added to your website) *response time: 5 hrs*
  - Use **one data set** from your system and represent it in **three ways**.
  - Mix and match from **goals**, **methods** and **tools** below.
  - For example, you may choose to do:
    - Exploratory x Data Visualization x GH→geojson
    - Exploratory x Data Visualization x Photoshop, Video Editor
    - Exploratory x Data Visualization x Unity

    Another example:
    - Analytical x Spatial Forensics x Photogrammetry
    - Narrative x Data Visualization x Photoshop & P5
    - Predictive x Simulation x Unity

Goal	Methods	Tools
analytical	Mapping	Python
predictive	Analytics	Three.js (Interactive 3D/2D)
narrative	Data Visualization	GH→geojson
exploratory	Simulation	P5.js
	Data Journalism	Unity
	Spatial Forensics	Photoshop
	Design Computation	Video Editors
		Photogrammetry
		…

- **Write a 150 word "method manifesto"** *response time: 1 hrs*
  reflecting on the sketch prototypes you explored, what goals, methods and tools for visualization resonated with your practice? What were the affordances of the visualization methods and the tools you used? Were some better suited to the system you are interested in? Why?

Exercise Goal:
Prioritizes exploration of creating practices by mixing and matching, goals, methods and tools. Following this we will reflect on what these 3

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practices afforded and how the tools, methods and goals impacted the outcome.

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Bonus Reading

Not Required Bonus Material for Interested Souls:

- "Advancing Racial Literacy in Tech," Jessie Daniels, Mutale Nkonde, Darakhshan Mir, [link]
- "The Environment is Not a System," Tega Brain [link]
- "What, Why, How: Spatial Simulation Models," Dan O Sullivan [link]
- "Humans of Simulated New York", Francis Tseng [link]
- "Do Artifacts Have Politics", Langdon Winner [link]

- Ref: Data Visualization Catalog, [link]
- Ref: Games for Cities, [link]
- Ref: Evolving Virtual Creatures, Karl Sims, [link]
- Ref: Activity and Travel Demand Models, [link] & "Four Step Transport Demand Model", [link]
