Visualization & Visual Analytics 1

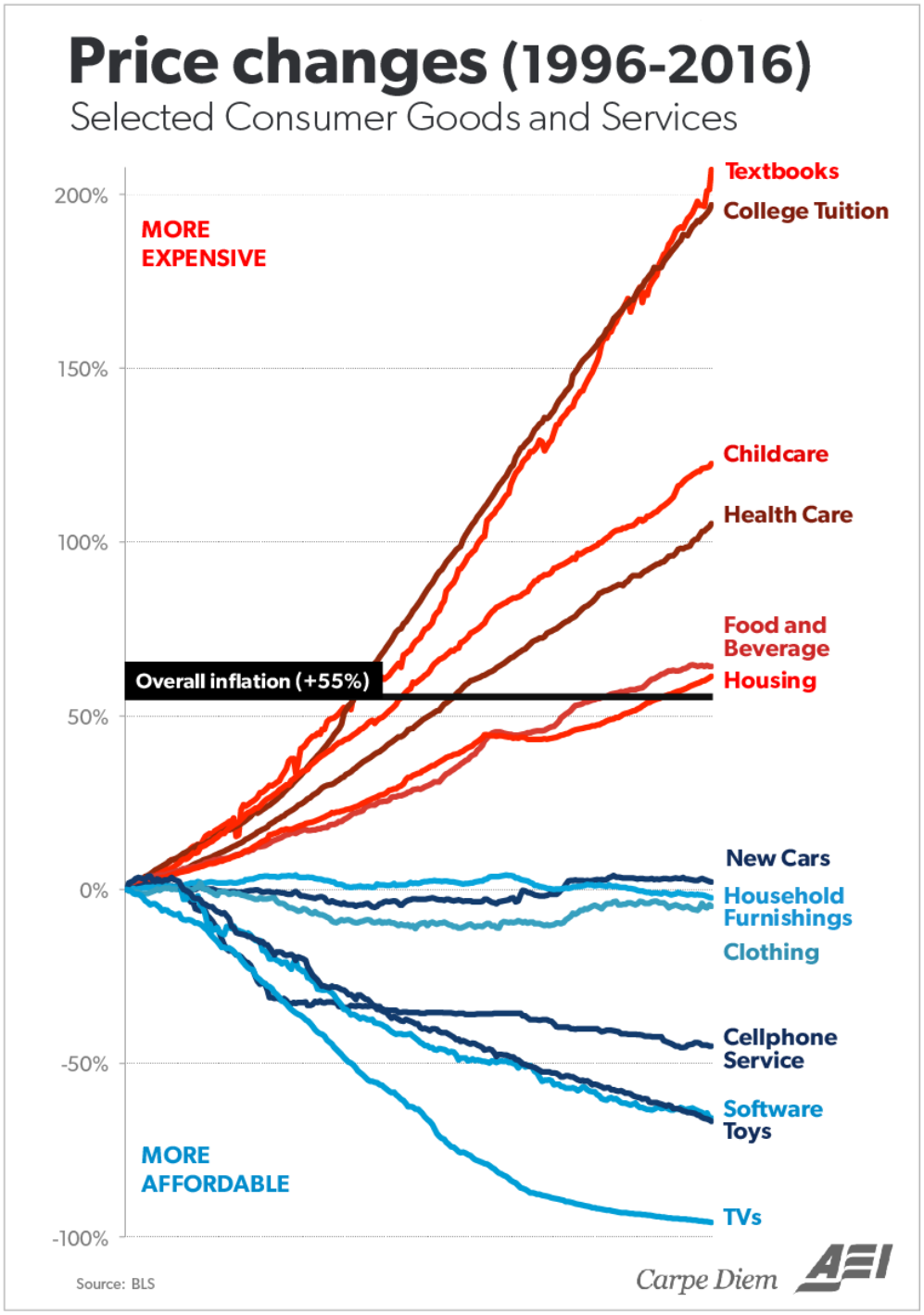
Angus Forbes

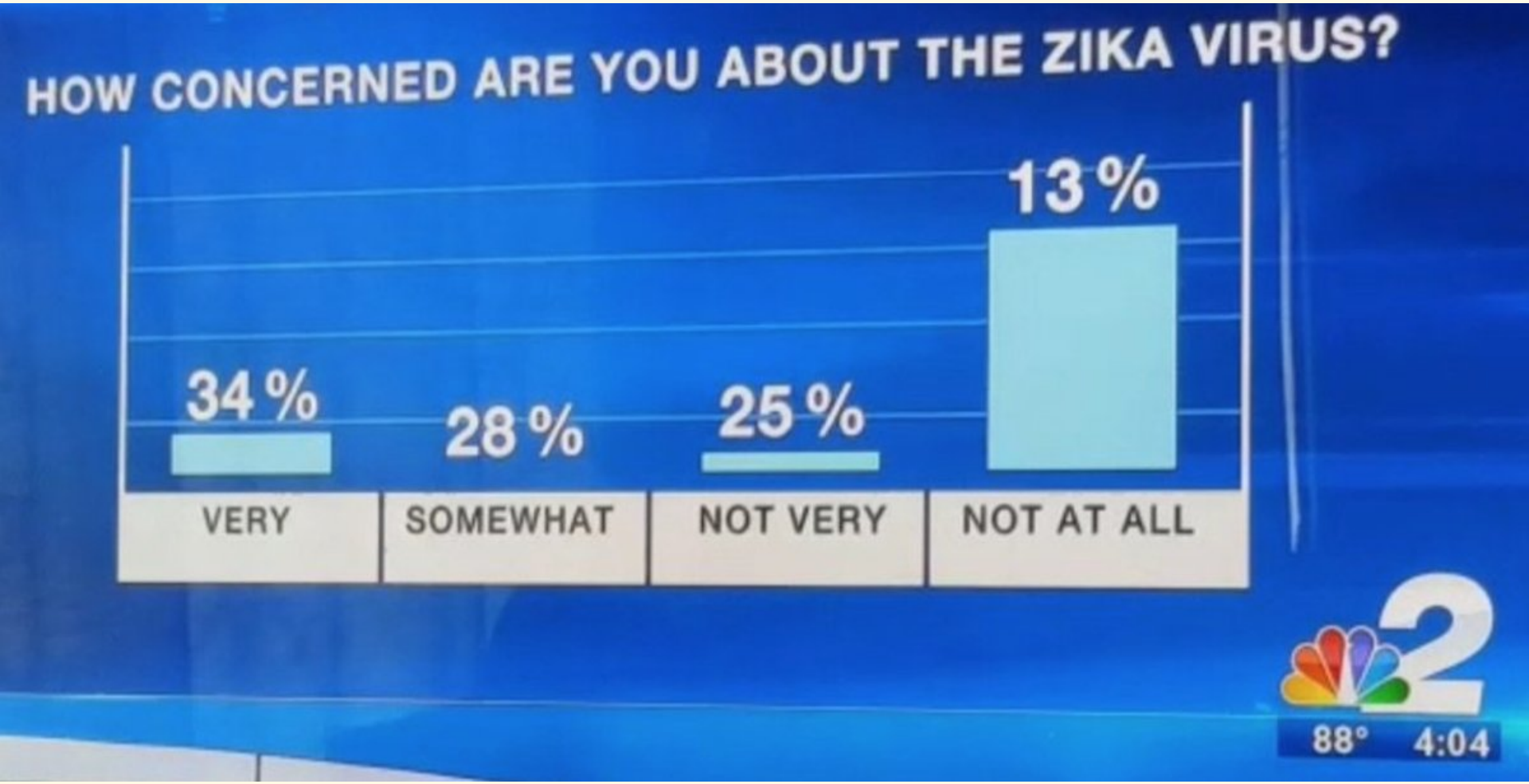
creativecoding.evl.uic.edu/courses/cs424

Share visualizations

Groups of 3 or 4 - Introduce yourselves to each other – Spend a few minutes each describing the visualization you've chosen.

- Where did you find it?
- Who is its intended audience?
- What kind of data does it visualize?
- What do you like about it?


Price changes (1996-2016)
Selected Consumer Goods and Services
200%
150%
100%
50%
0%
-50%
-100%
MORE EXPENSIVE
MORE AFFORDABLE
Overall inflation (+55%)
Textbooks
College Tuition
Childcare
Health Care
Food and Beverage
Housing
New Cars
Household Furnishings
Clothing
Cellphone Service
Software
Toys
TVs
Source: BLS
Carpe Diem
AEI


HOW CONCERNED ARE YOU ABOUT THE ZIKA VIRUS?
34 %
28 %
25 %
13 %
VERY
SOMEWHAT
NOT VERY
NOT AT ALL
2
88°
4:04

Project 1

For this assignment, creativity more important than accuracy...

Grading like a diving or gymnastics competition – difficulty and originality of dive or routine is taken into consideration...

Project 1

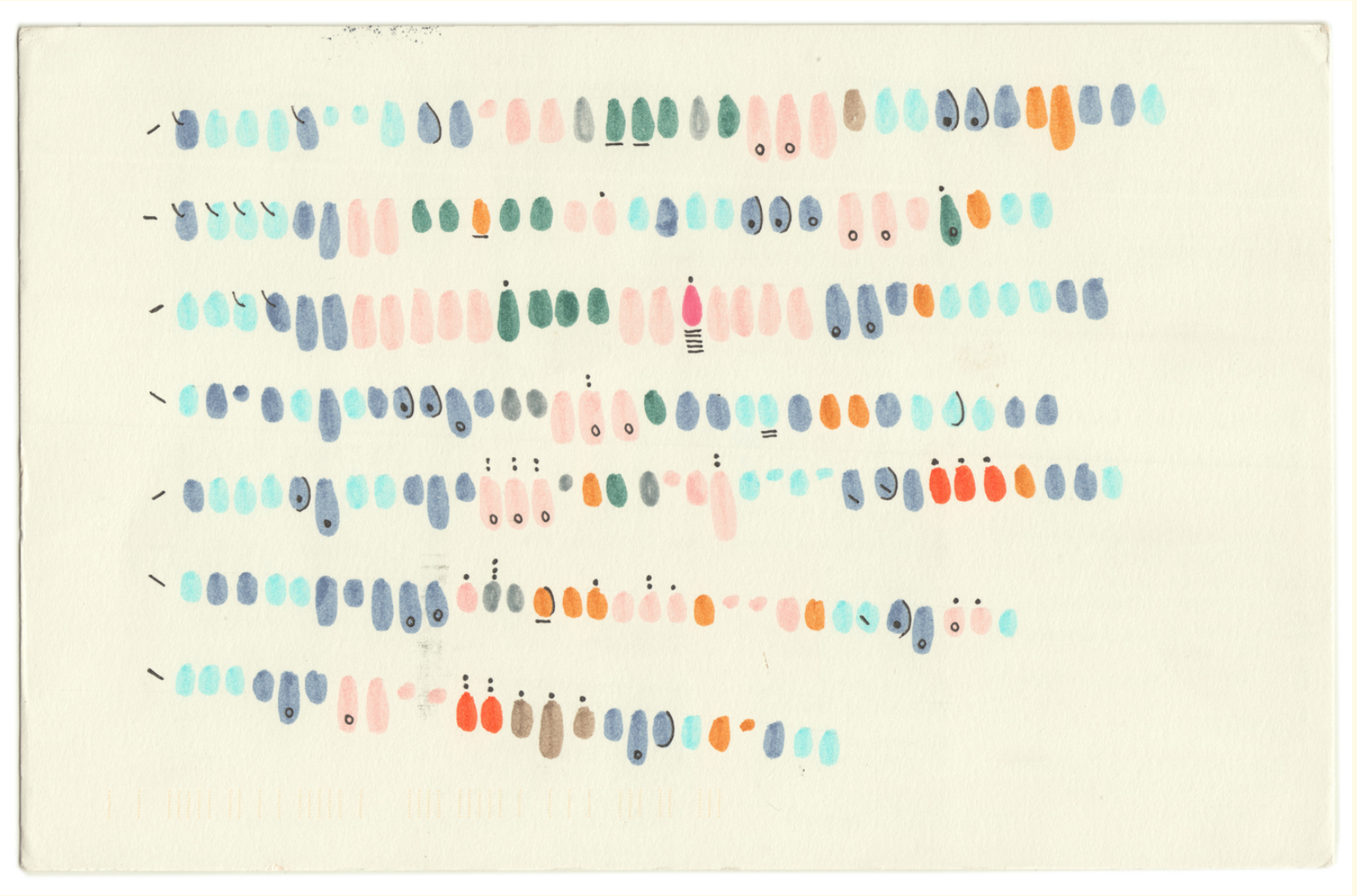
Ideas for how to think of an interesting data set to collect:

- Find something meaningful that: piques your curiosity, that constantly annoys you, that amuses you, that you tend to notice

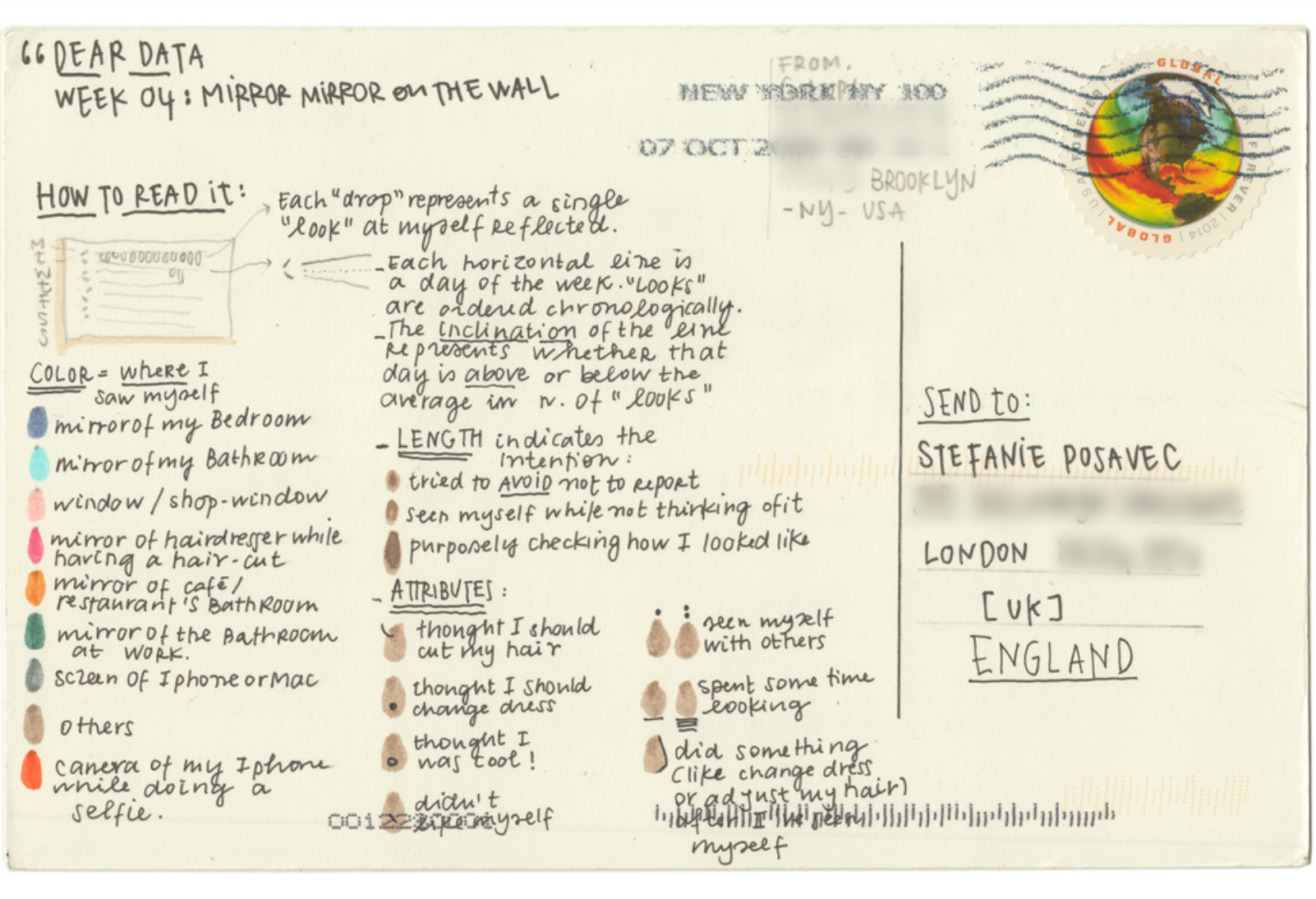
- What is a special skill or set of experiences unique to you? What thoughts or perspectives do you have that are not shared by everyone?

S. Posavec & G. Lupi, 2015 *"Dear Data"*

Giorgia Lupi, 2015 *"Dear Data"*



G. Lupi, 2015 *"Dear Data"*



S. Posavec, 2015 *"Dear Data"*

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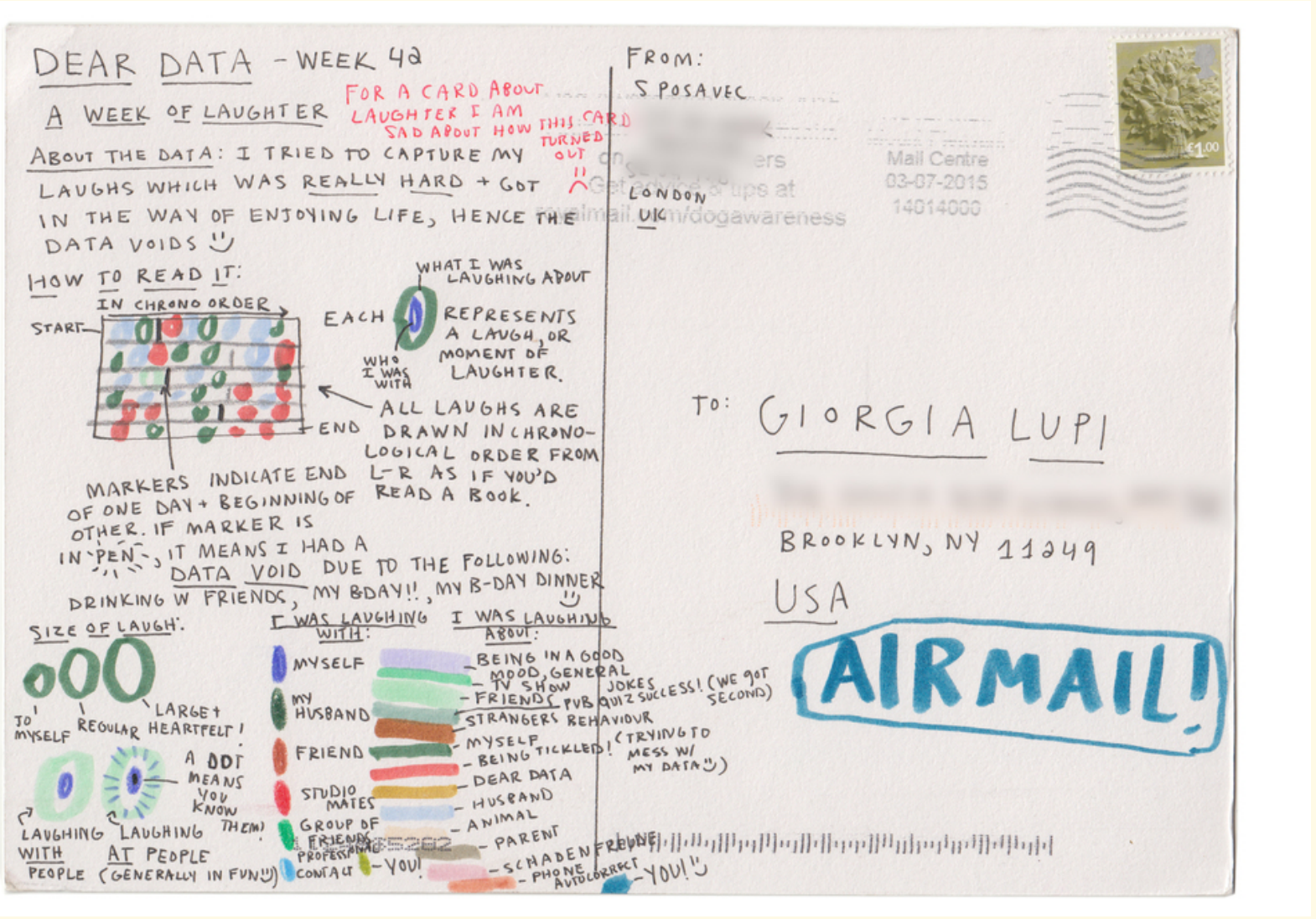
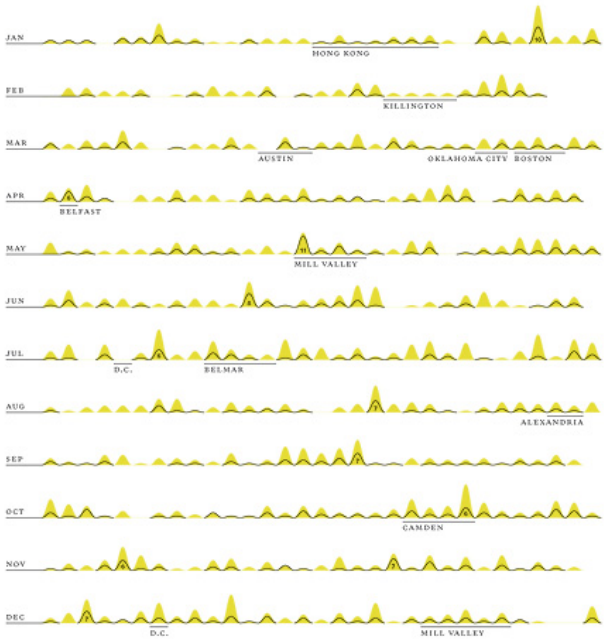


N. Felton, 2009

Distribution

Date and location of encounters.

FIGURE 1. ENCOUNTERS / RESPONSES



METHODOLOGY

Throughout 2009, friends, family, co-workers and acquaintances of Nicholas Felton were asked to report on his activities whenever they met.

All data on the following pages was compiled from the responses of these participants to a variety of questions concerning their encounter.

TOTAL ENCOUNTERS
1,761

AVERAGE ENCOUNTERS PER DAY
4.8

SURVEYS COMPLETED
560

CUMULATIVE RESPONSE RATE
32%

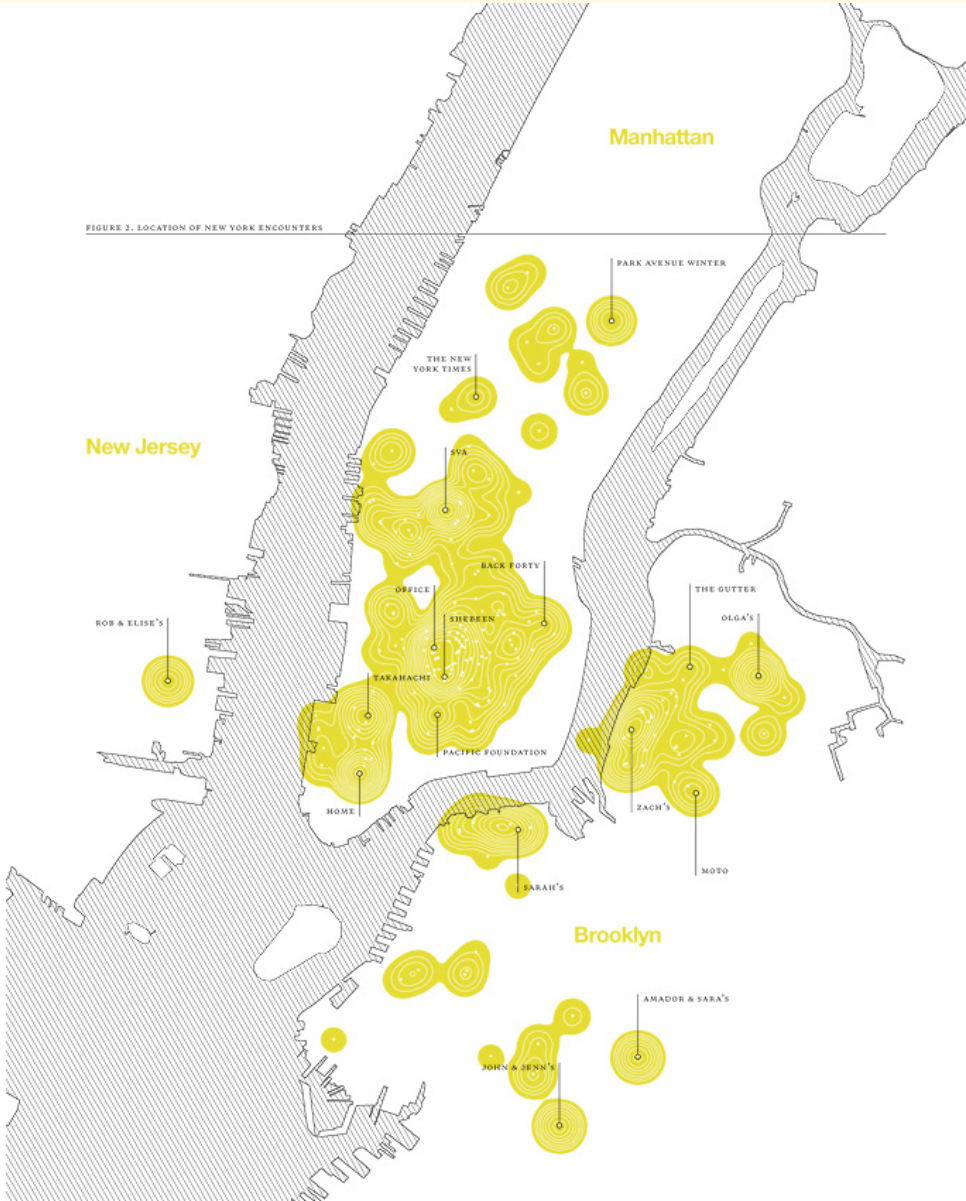
COUNTRIES INCLUDED
Three
U.S.A., HONG KONG AND NORTHERN IRELAND

STATES INCLUDED
Nine
CALIFORNIA, MAINE, MASSACHUSETTS, NEW JERSEY, NEW YORK, OKLAHOMA, TEXAS, VERMONT, VIRGINIA, PLUS WASHINGTON D.C.

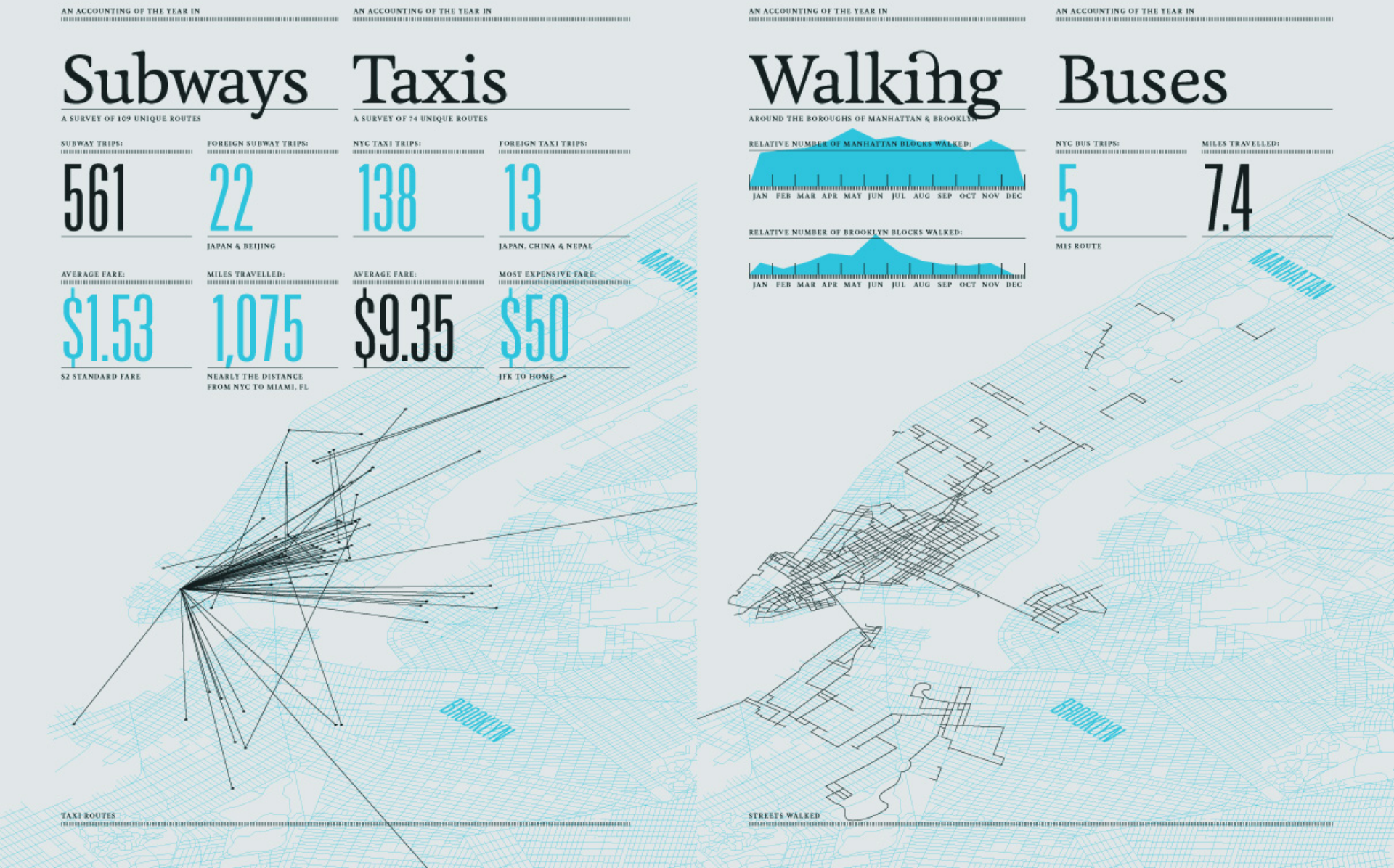
DAYS WITH REPORTS
254
70% OF THE YEAR

CONTRIBUTORS
210
AVERAGE 2.66 REPORTS PER PERSON

FIGURE 2. LOCATION OF NEW YORK ENCOUNTERS



N. Felton, 2010



Homework for Tuesday

- Complete quiz (if you didn't finish in class)
- Read Munzner, chapters 1 & 2
- Set up D3.js environment and pick one example of your choice from bl.ocks.org to explain in class 8/30
- Begin data collection for Project 1