

All Communication

This report examines a year of Nicholas Felton's communication data. It aspires to uncover patterns and insights within the data and metadata of a large and personal data set. Sources include conversations, SMS, telephone calls, email, Facebook messages and physical mail.

TOTAL RECORDS

94,824

Average 260 records/day

RECORDS PER MEDIUM

SMS	44,041
Email	31,769
Conversation	12,464
Facebook Messages	4,511
Mail	1,719
Telephone	320

MOST DAILY RECORDS

1,355

March 13

FEWEST DAILY RECORDS

53

December 15

TOTAL DAILY RECORDS

×1,000



WEEKDAY RECORDS

78%

WEEKEND RECORDS

22%

BUSIEST HOUR

12PM

Average 19.9 records

SLOWEST HOUR

4AM

Average 1.4 records

LONGEST GAP BETWEEN RECORDS

6 hours 9 minutes

Beginning September 21 at 10:00 PM

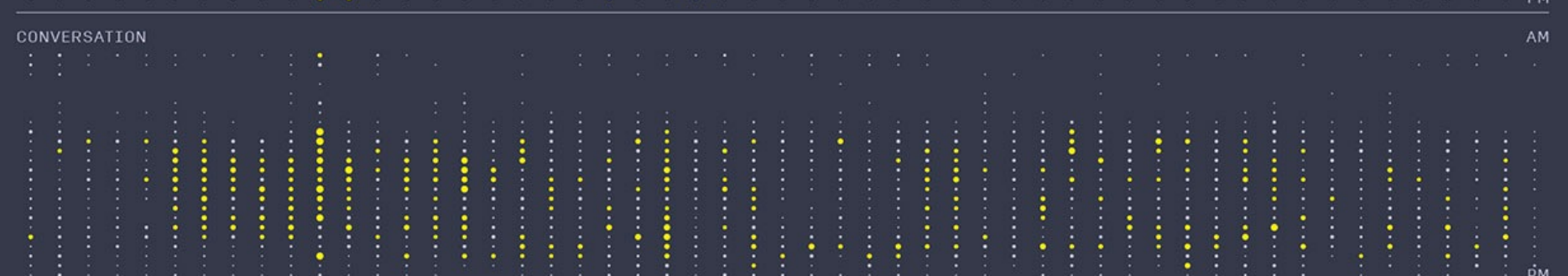
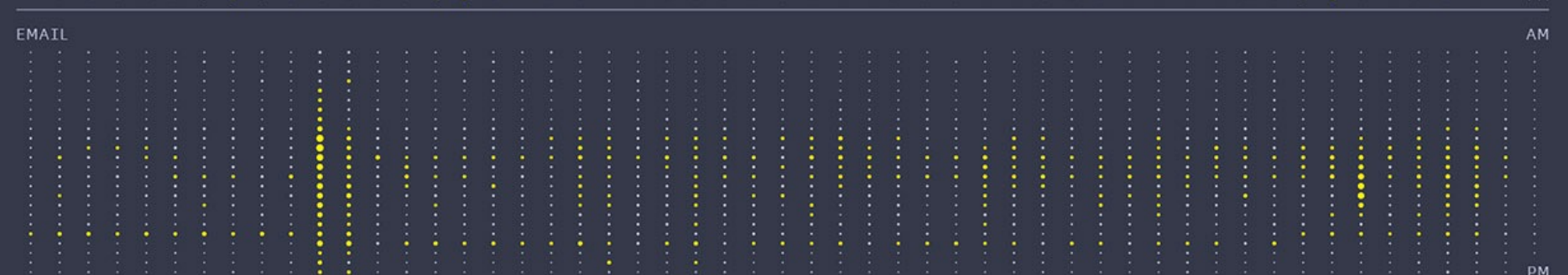
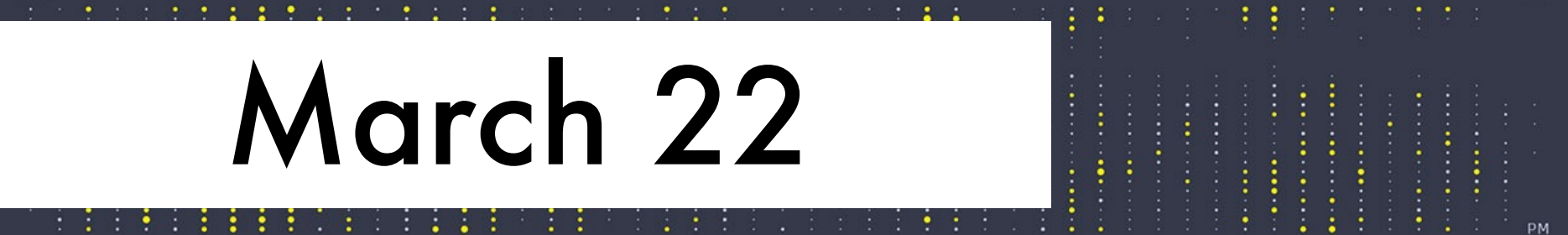
TOTAL MONTHLY RECORDS

×1,000



Volume

MOST ACTIVE TIMES (TOP 25%)



Numbers to Pixels

Formerly

Cal

Formerly



Zipfian
Academy

+

galvanize

Data Visualization and D3.js

Communicating with Data

[Edit](#)**Intermediate**

Built by

**Approx. 7 weeks**

Assumes 6hr/wk (work at your own pace)

**Join 26,349 Students**

Access Course Materials

[Resume course materials](#)**Free**

You get



Instructor videos



Learn by doing exercises

Course Summary

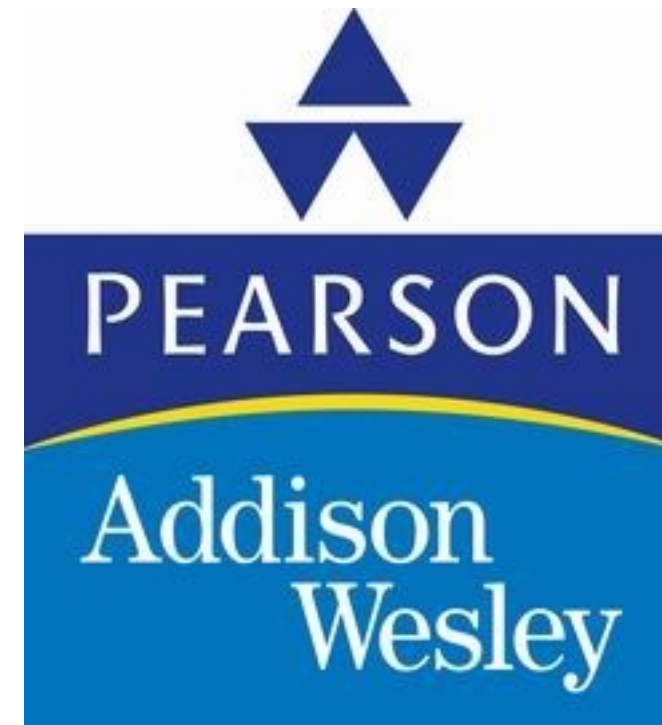
Learn the fundamentals of data visualization and practice communicating with data. This course covers how to apply design principles, human perception, color theory, and effective storytelling to data visualization. If you present data to others, aspire to be an analyst or data scientist, or if you'd like to become more technical with visualization tools, then you can grow your skills with this course.

The course does not cover exploratory approaches to discover insights about data. Instead, the course focuses on how to visually encode and present data to an audience once an insight has been found.

This course is part of the [Data Analyst Nanodegree](#).

<https://www.udacity.com/course/data-visualization-and-d3js--ud507>

Currently



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jondinu@gmail.com
<http://hopelessoptimism.com>

Takeaways

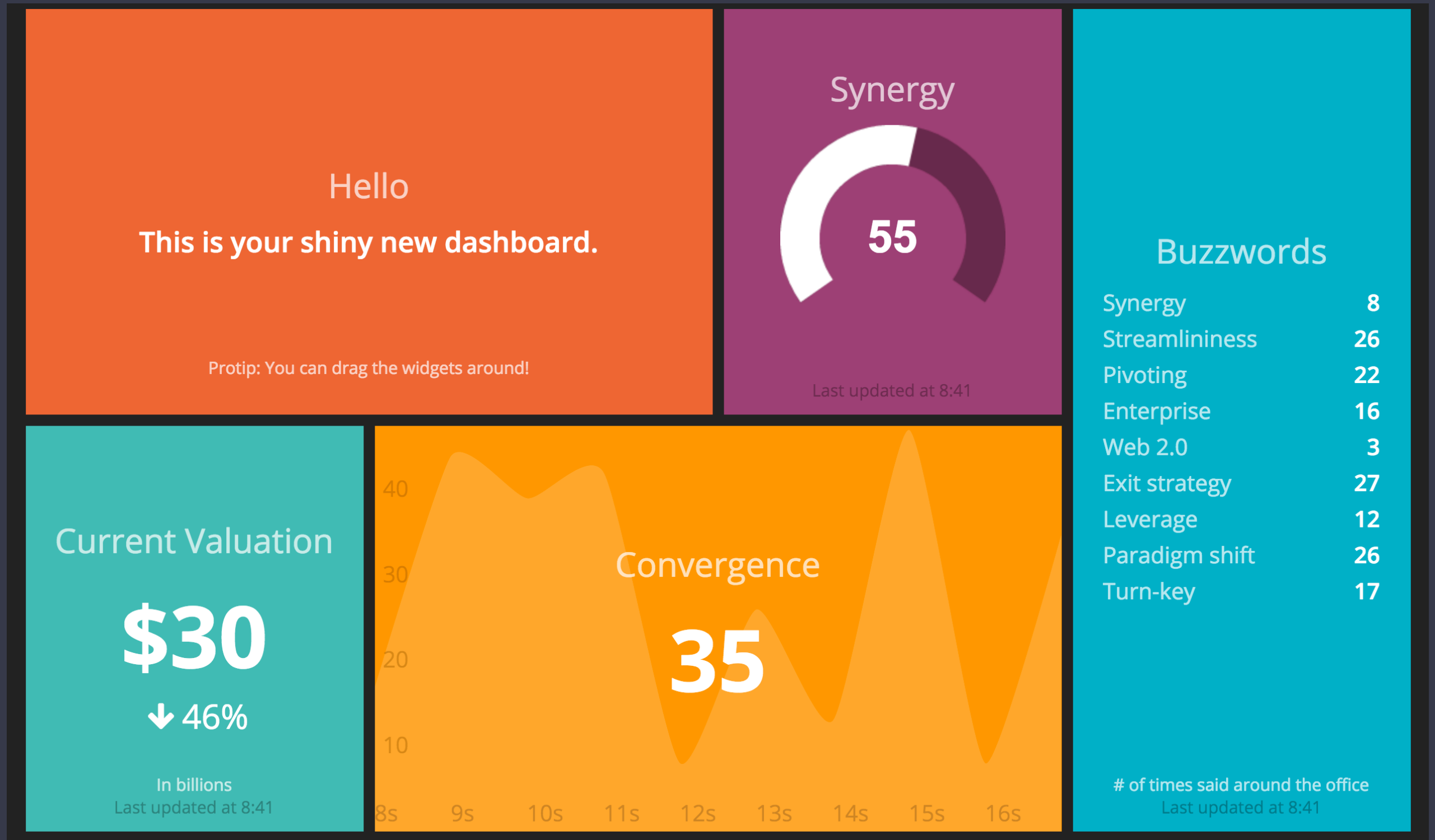
- Just like with words, there is a visual vocabulary
- Data Visualization is inherently process driven
- Explanatory vs. Exploratory
- Data Visualization is not D3.js

Data Visualization

“A tangible communication of the abstract”

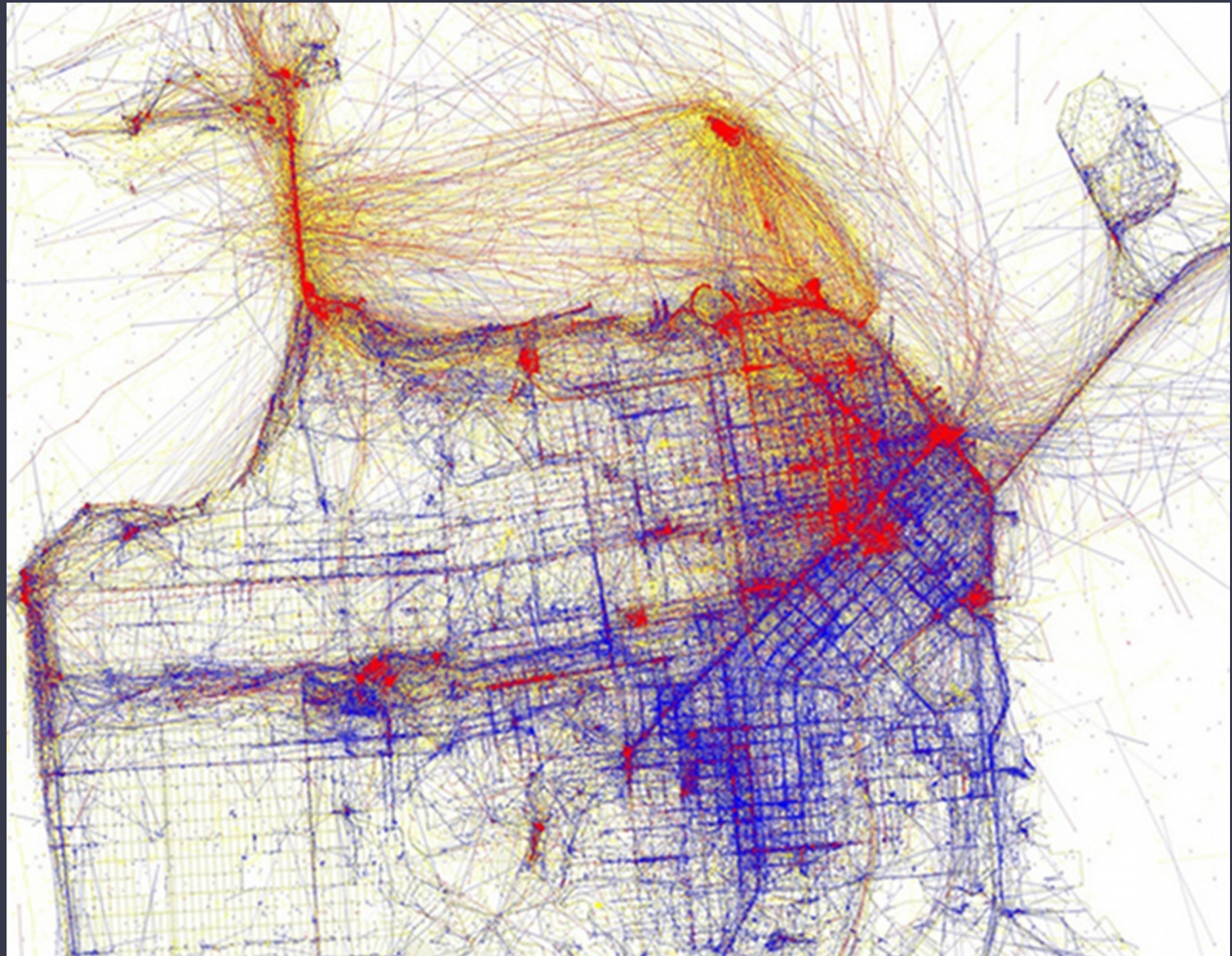
-- Jonathan Dinu

Dashboarding (BI)



Data Viz **as** Data Science

■ Tourists
■ Locals



Data Art

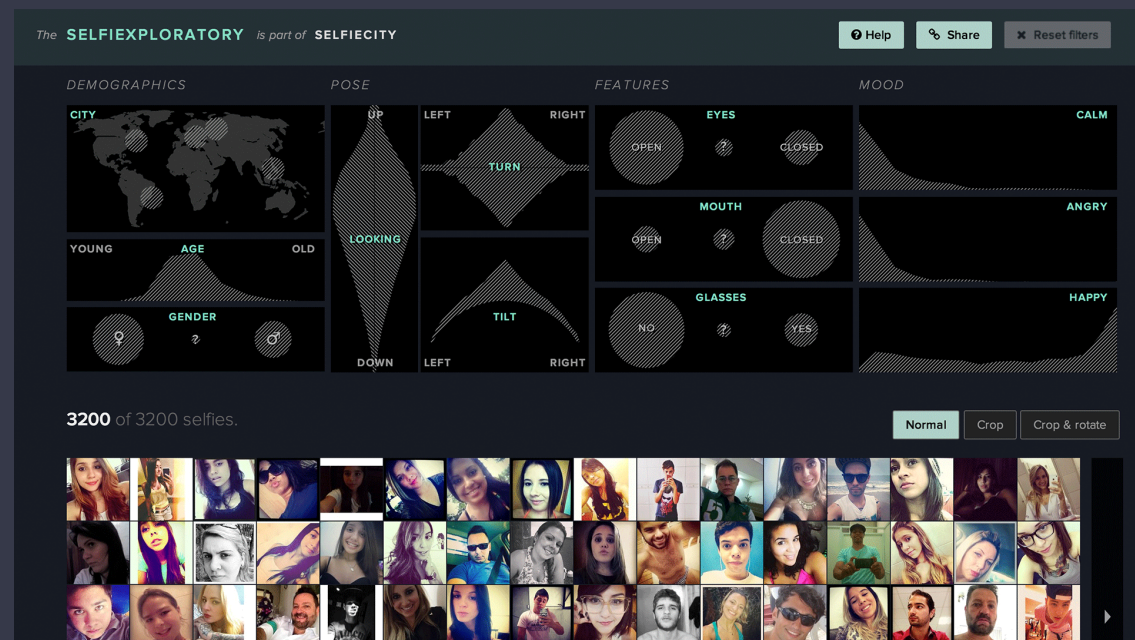


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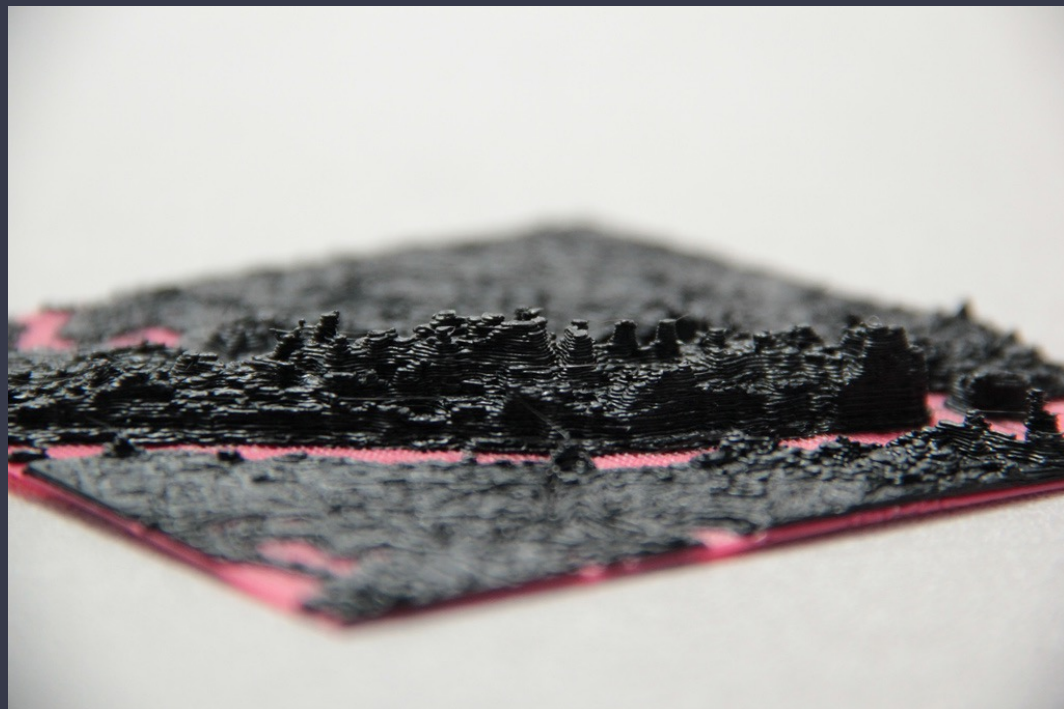
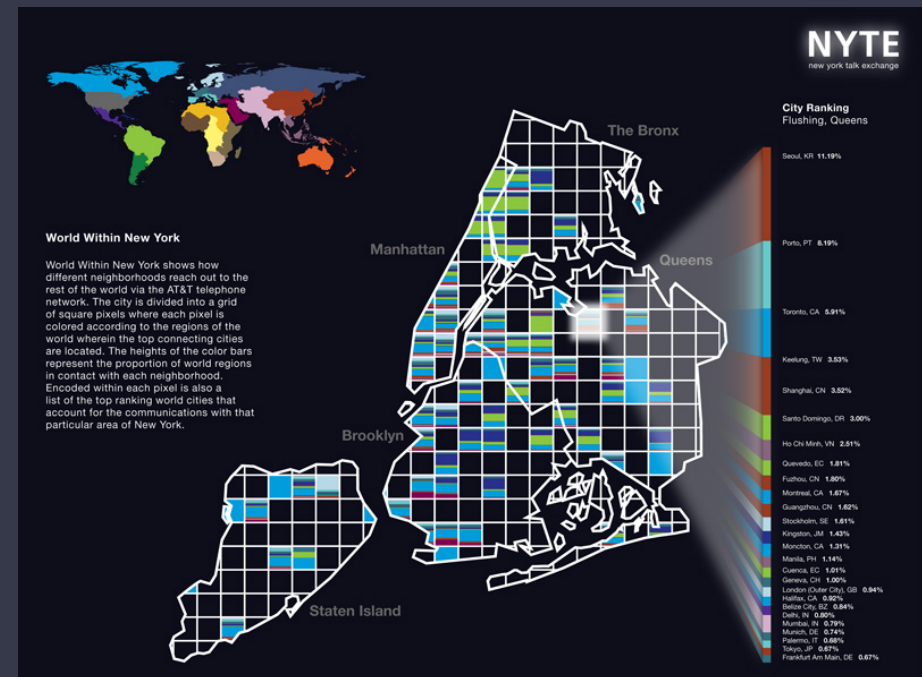
Stamen

<http://www.facebookstories.com/stories/2200/data-visualization-photo-sharing-explosions>

Moritz Stefaner: Crowdsourced



Aaron Koblin: Analysis

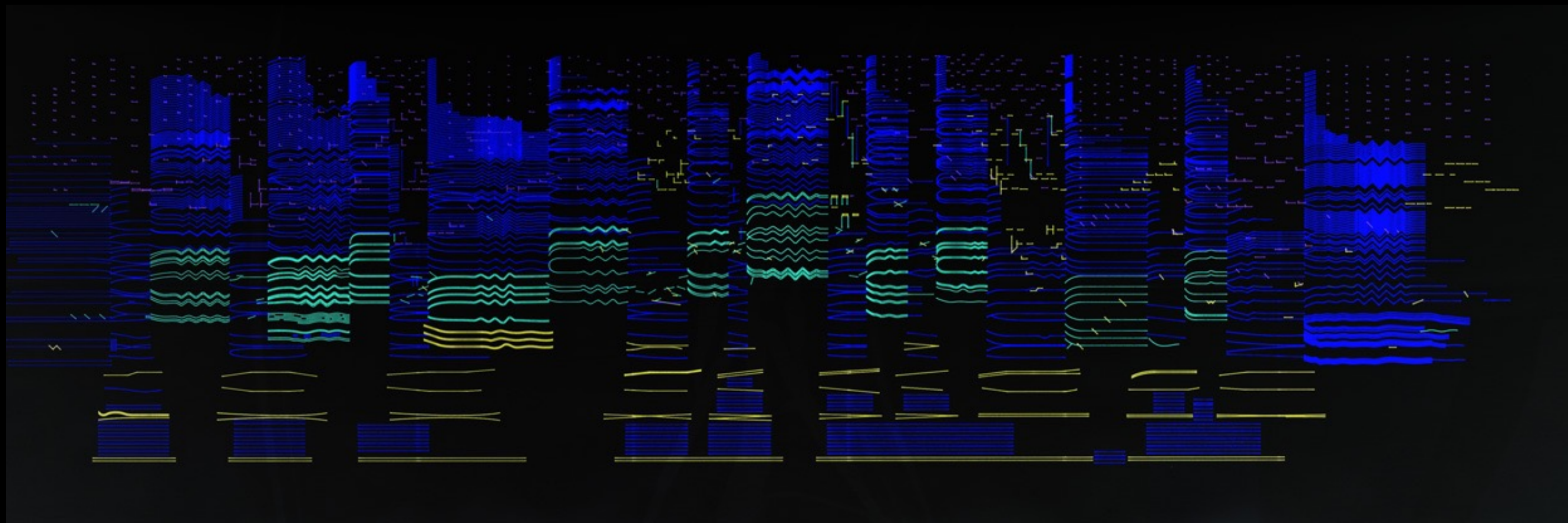


Kyle McDonald: Physical



Casey Reas: Generative

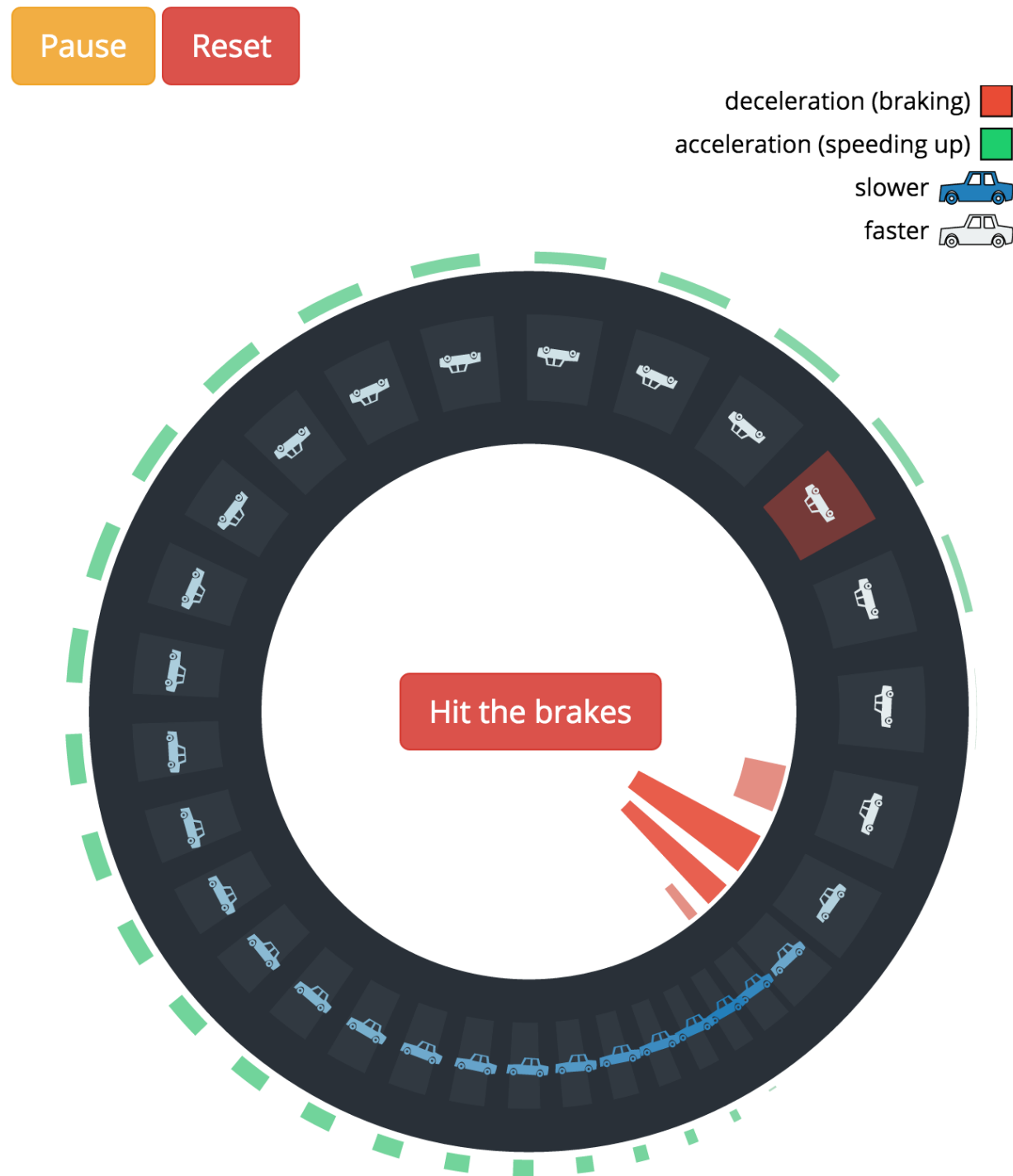
John Keston & Jasio Stefanski



Original

Reprise

Explaining Complexity (through Simulation)



<http://blogs.kqed.org/lowdown/2013/11/12/traffic-waves>

Homework

- Find 1-3 datasets you would want to visualize
- Come up with 3 potential “thesis” questions
- For each, come up with 2 exploratory questions
- Sketch a visualization that explores each thesis question

<https://gist.github.com/Jay-Oh-eN/0dbcb15c90b680df50819>