



(Un)intended Value

Implications of Graphical Representations of Data

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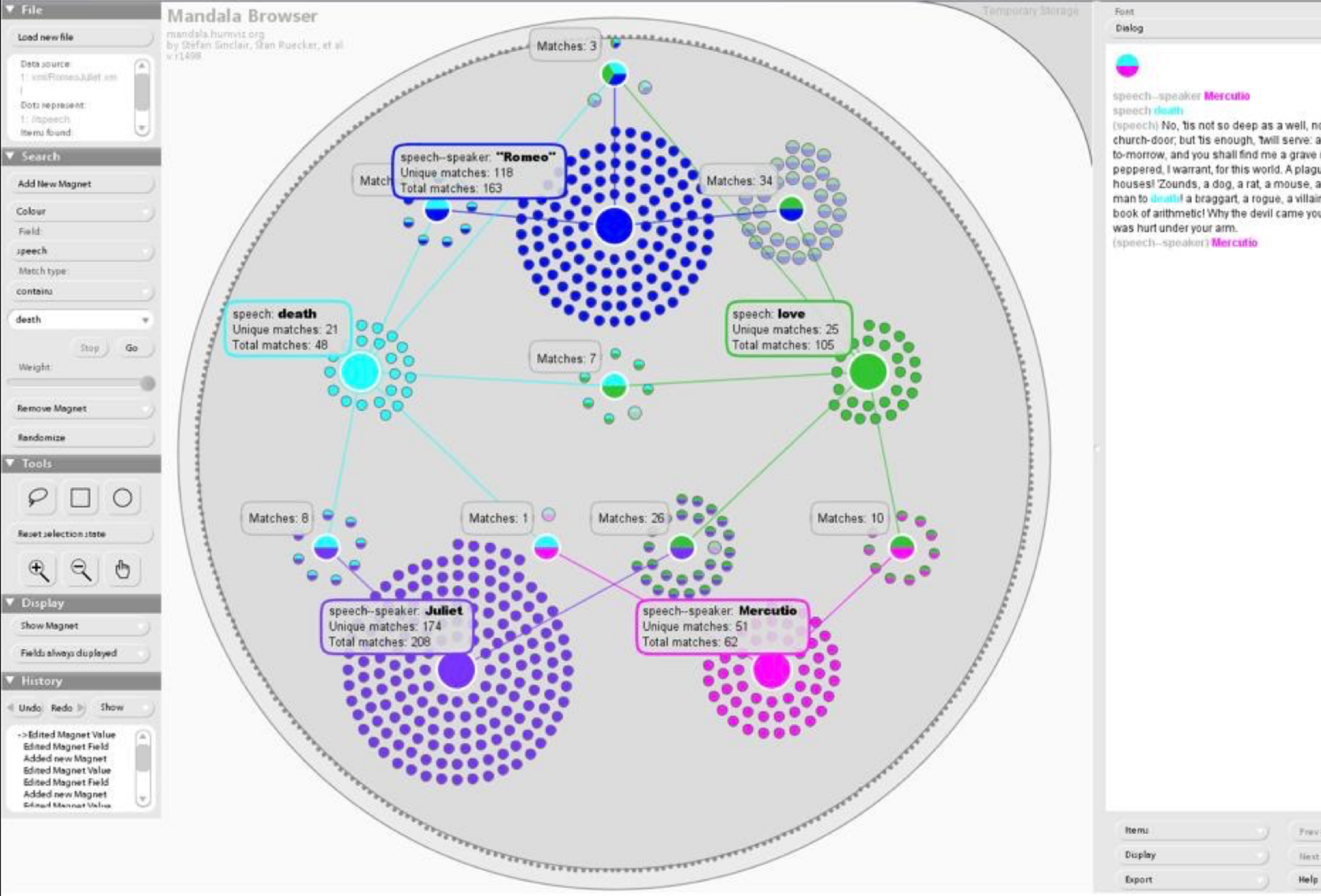
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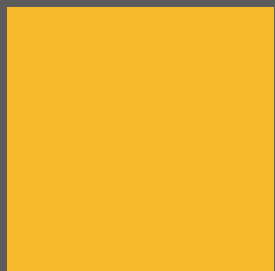
The Mandala Browser. Design by Constanza Pacher and Sandra Gabriele (<http://mandala.humviz.org>.)



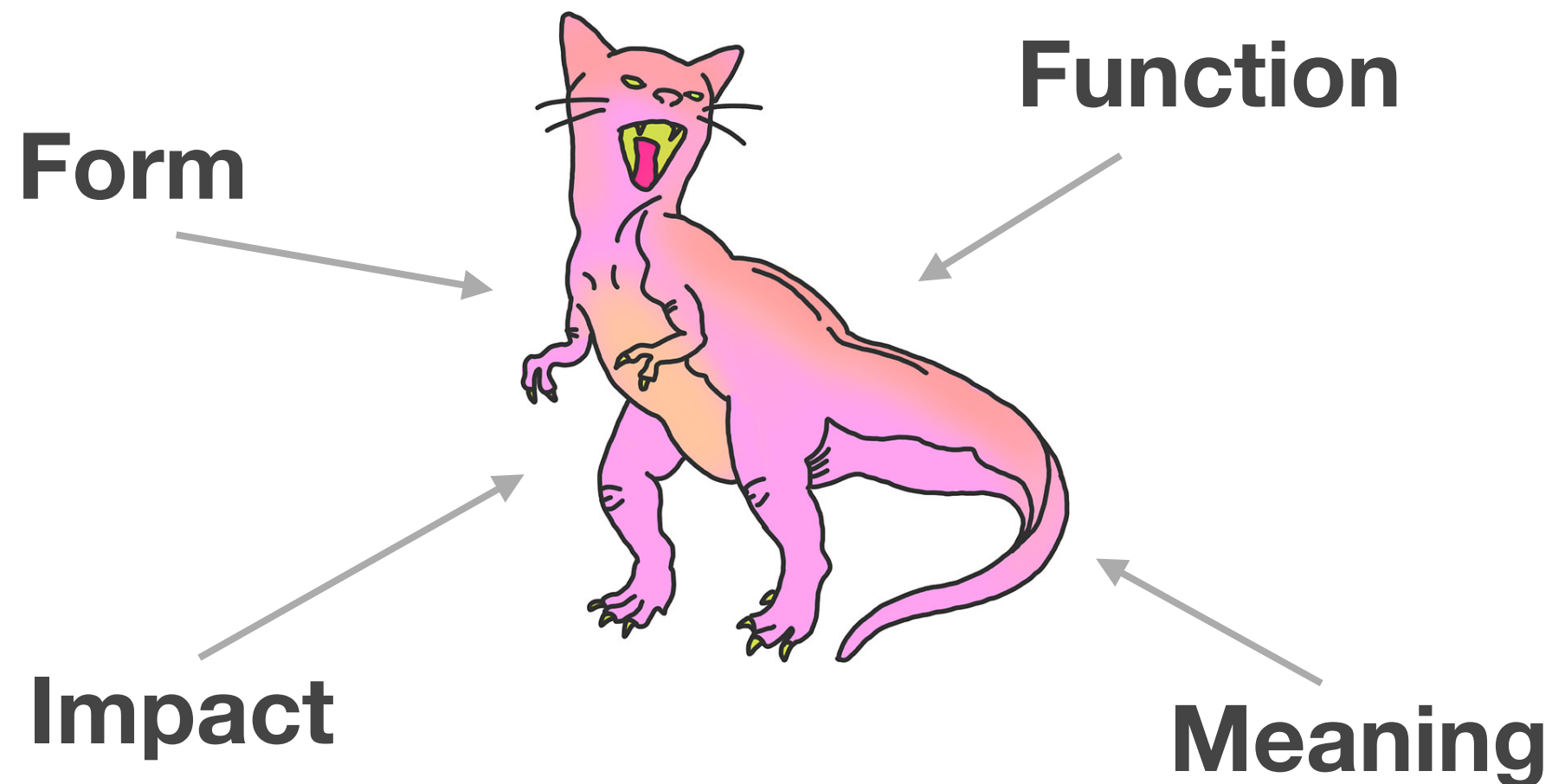
The Slot Machine. Design by Milena Radzikowska.

Designing graphical objects

- Amount of useful information.
- Amount of graphical difference.
- Restraint in form complexity.



Designing meaningful graphical objects



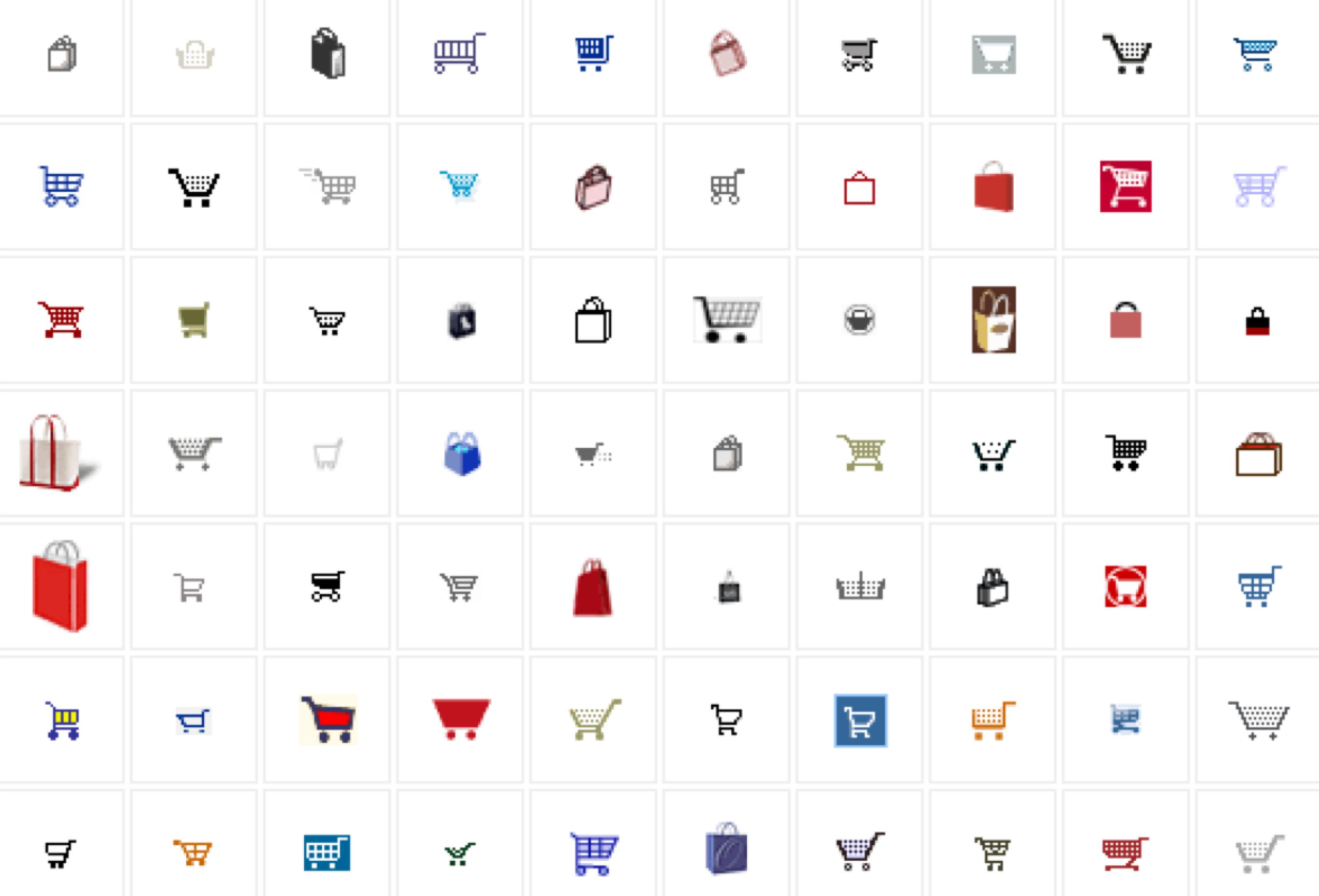
Designing **meaningful** graphical objects

- Designed artefacts can hold some kind of argument.
- Design thinking and making contribute to human knowledge.
- Designed artefacts are complex agents that act upon our world.

Positional

Significant

Consequential



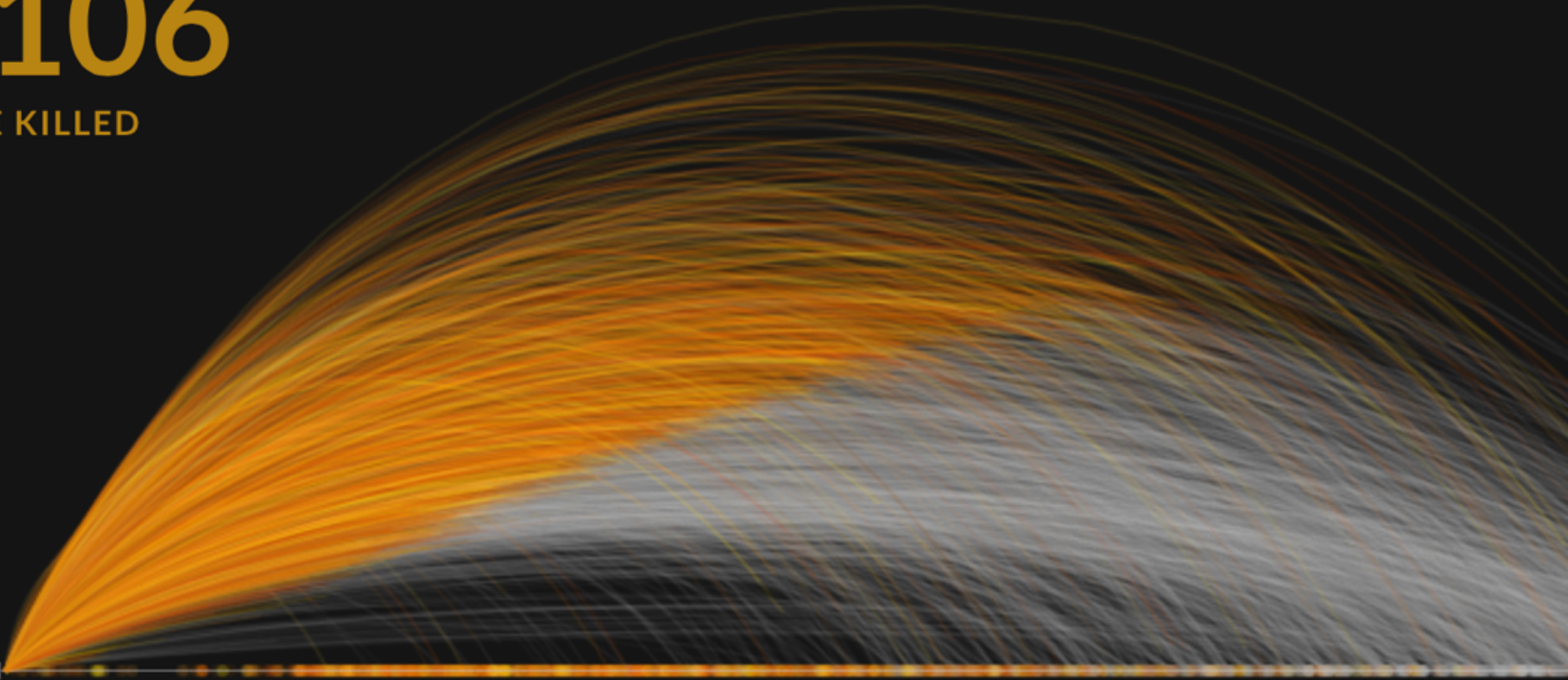
U.S. GUN DEATHS IN

2013 2010

2,106
PEOPLE KILLED



AGE 0



Out of Sight, Out of Mind.

[ATTACKS](#) [VICTIMS](#) [NEWS](#) [INFO](#)

CHILDREN

175 5.4%

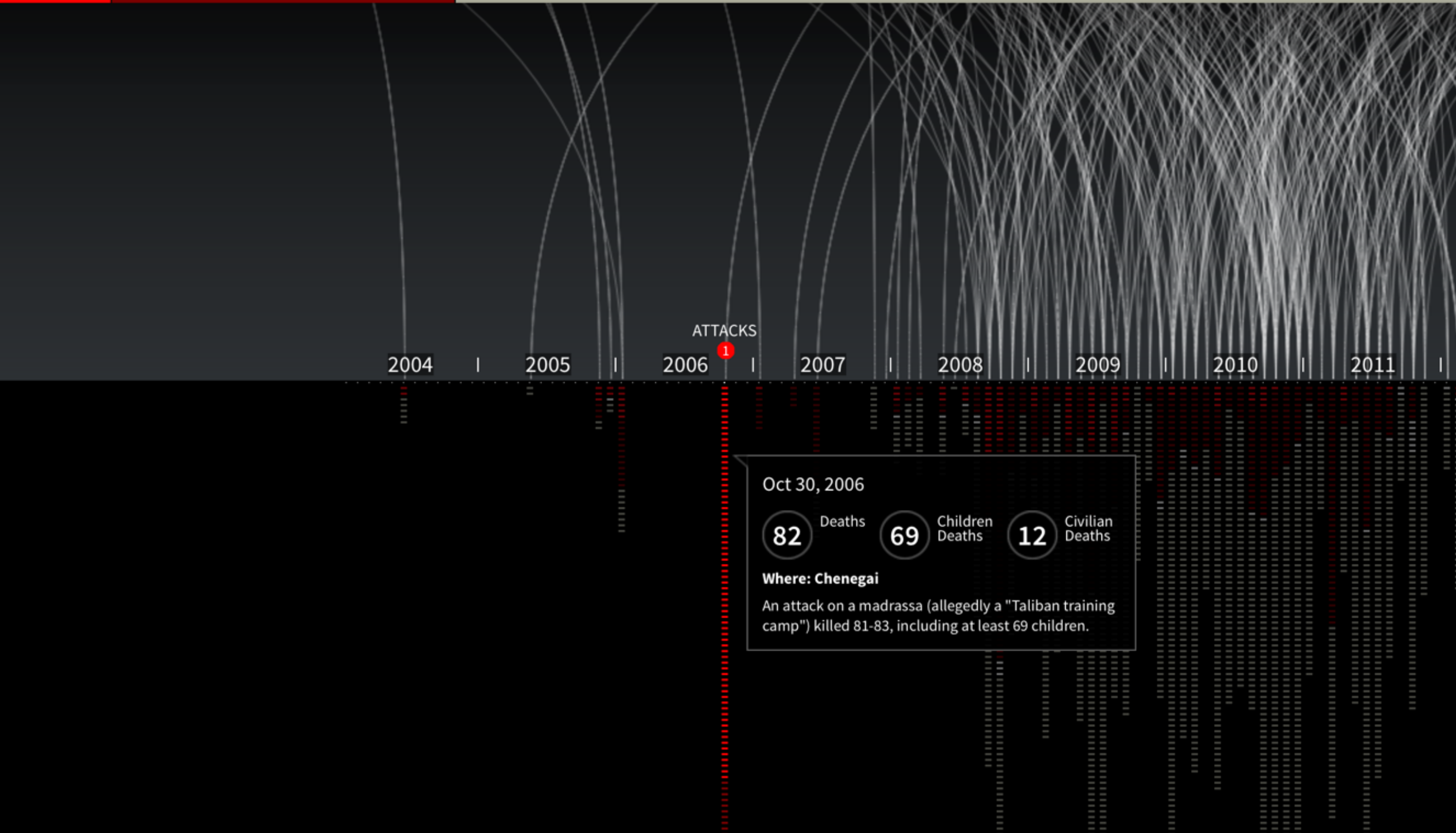
CIVILIAN

535 16.7%

OTHER

2453 76.3%

PAKISTAN



OPTIONS

DISPLAY

KPIs

out of stock on **May 29**
Mike Smith · Track · Explore

truck #236 is out for repair,
June 1
Peter North · Track · Explore

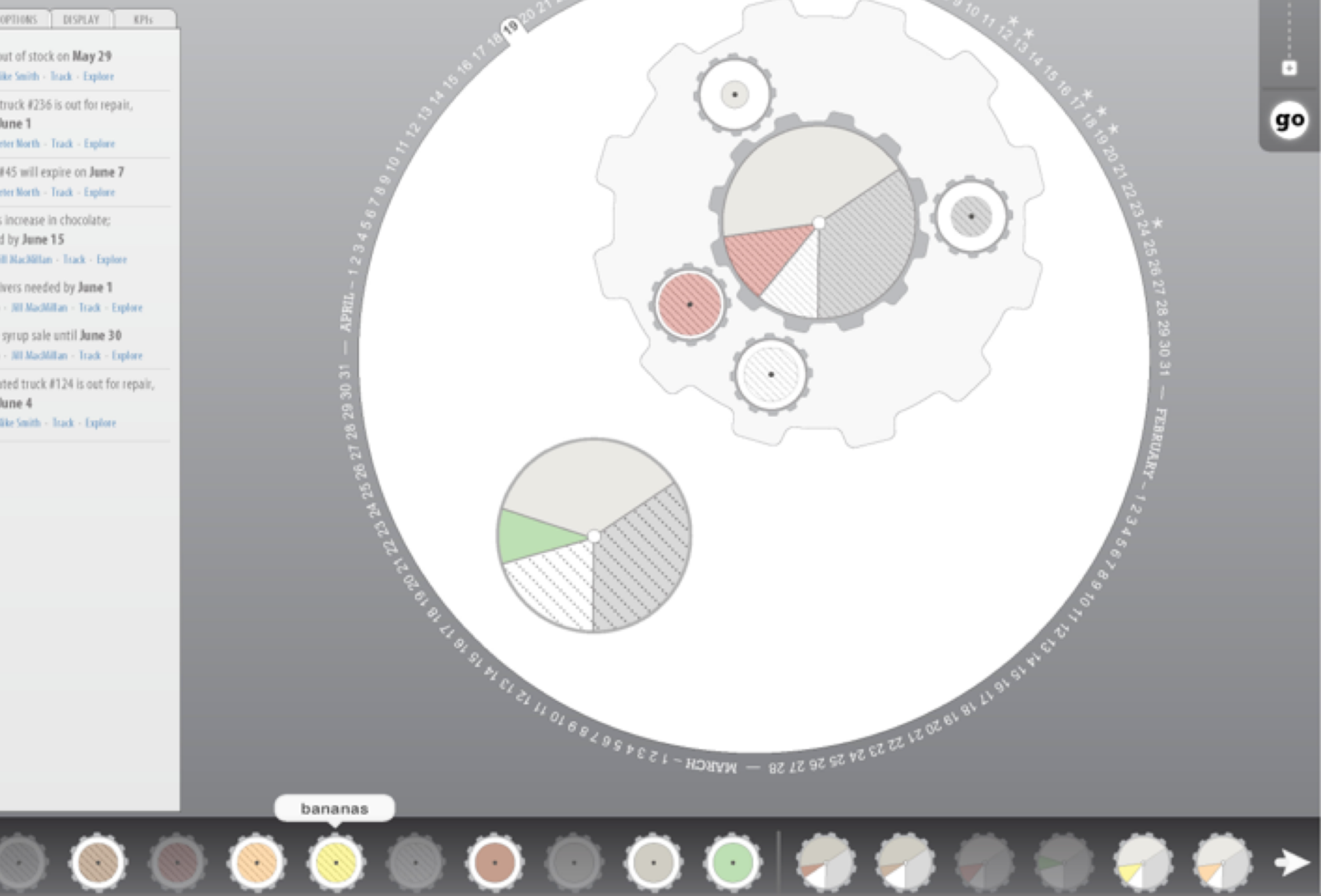
#45 will expire on **June 7**
Peter North · Track · Explore

increase in chocolate;
d by **June 15**
Jill MacMillan · Track · Explore

ivers needed by **June 1**
Jill MacMillan · Track · Explore

syrup sale until **June 30**
Jill MacMillan · Track · Explore

ated truck #124 is out for repair,
June 4
Mike Smith · Track · Explore



Sameness vs. difference

- Should organic constraints should be given the same graphical form as mechanical constraints?
- Do constraints such as working hours and conditions, sick leave, and safety concerns require a different graphical treatment?
- Should people constraints be treated as visually different from environmental constraints?

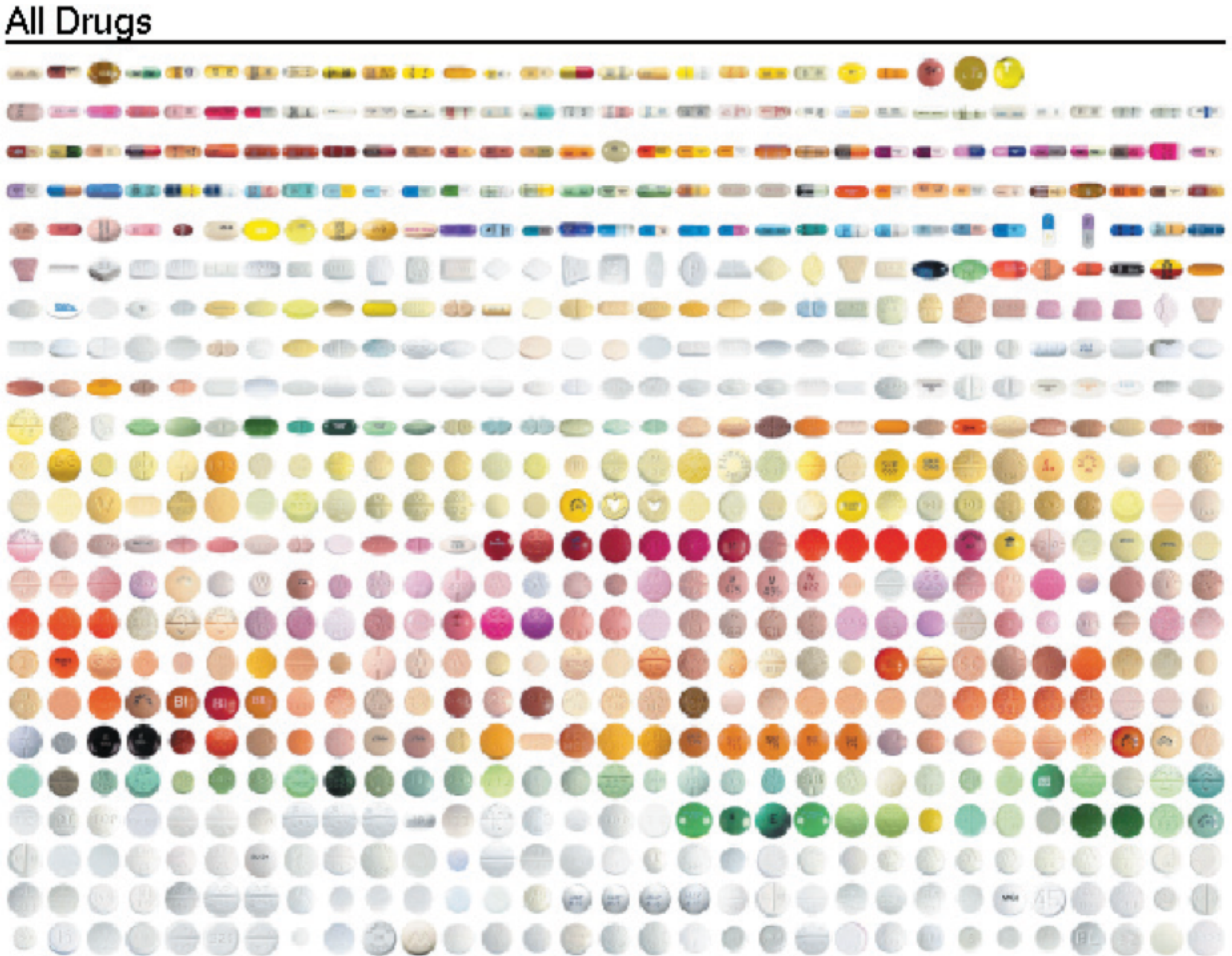
Equality vs. devaluing

Helen Johnson



1 barrel of waste

All Drugs



This image displays a large collection of various pharmaceutical pills and capsules, organized into a grid. The pills are arranged in 10 rows and 100 columns. The colors range from white and light blue to dark green and black. The shapes include round, oval, and rectangular. Many pills have markings, such as numbers, letters, or logos, indicating their identity. The grid is a visual representation of the diversity of pharmaceuticals.

Consequences

- Impact on a user's interpretation of a category.
- Impact on a user's interpretation of category's level of significance.
- **Impact on a user's perception of herself or of others.**

Critique or Connect



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Loves Die Hard.