

Potpourri

Of Edges, Emotions, and Serendipity.

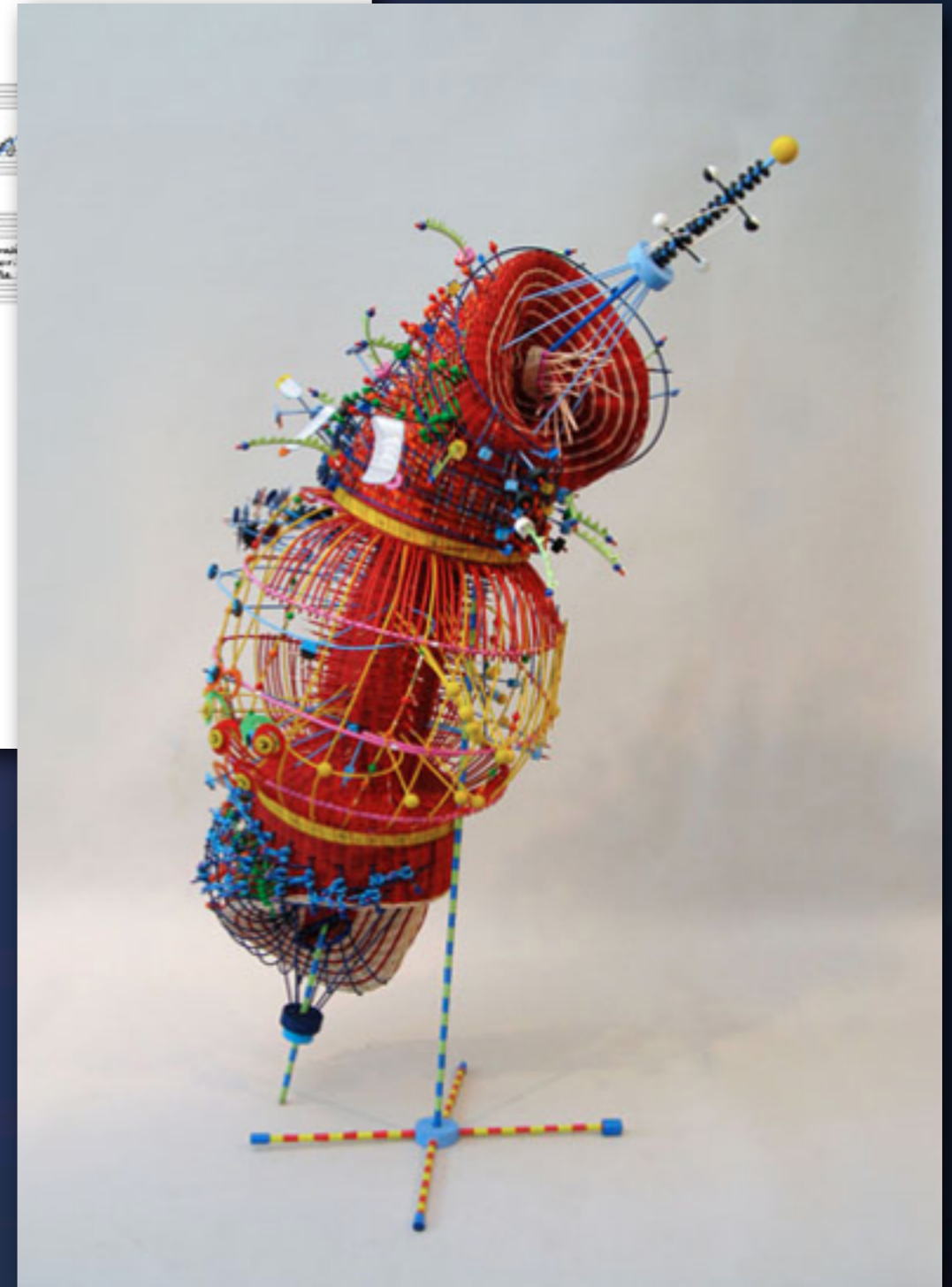
April 30, 2013 – Michael Porath (@poezn)

Edges of Data Visualization

Music Score Sculptures

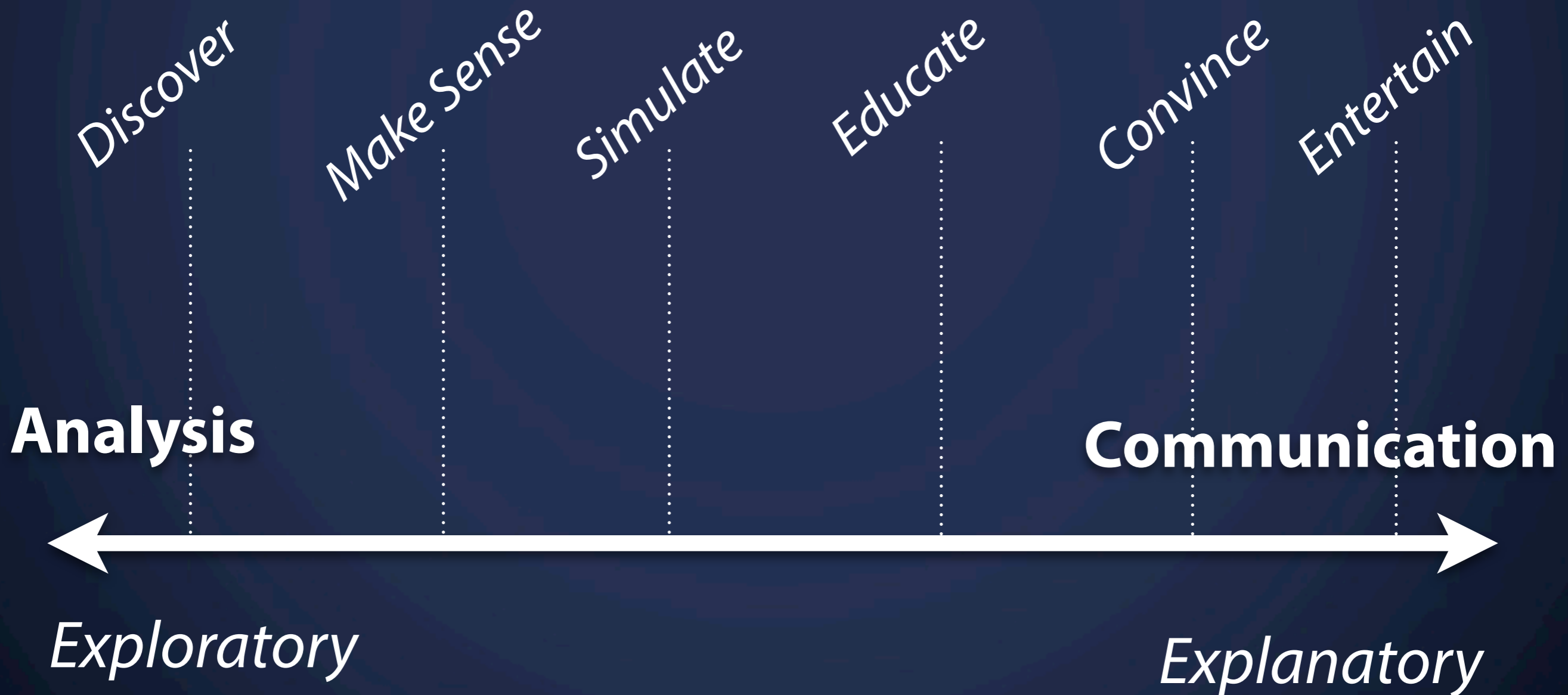
Natalie Miebach (2009)

Stormy Weather, Internal Storms
Score for Sculptor and Musician



Analysis – Communication

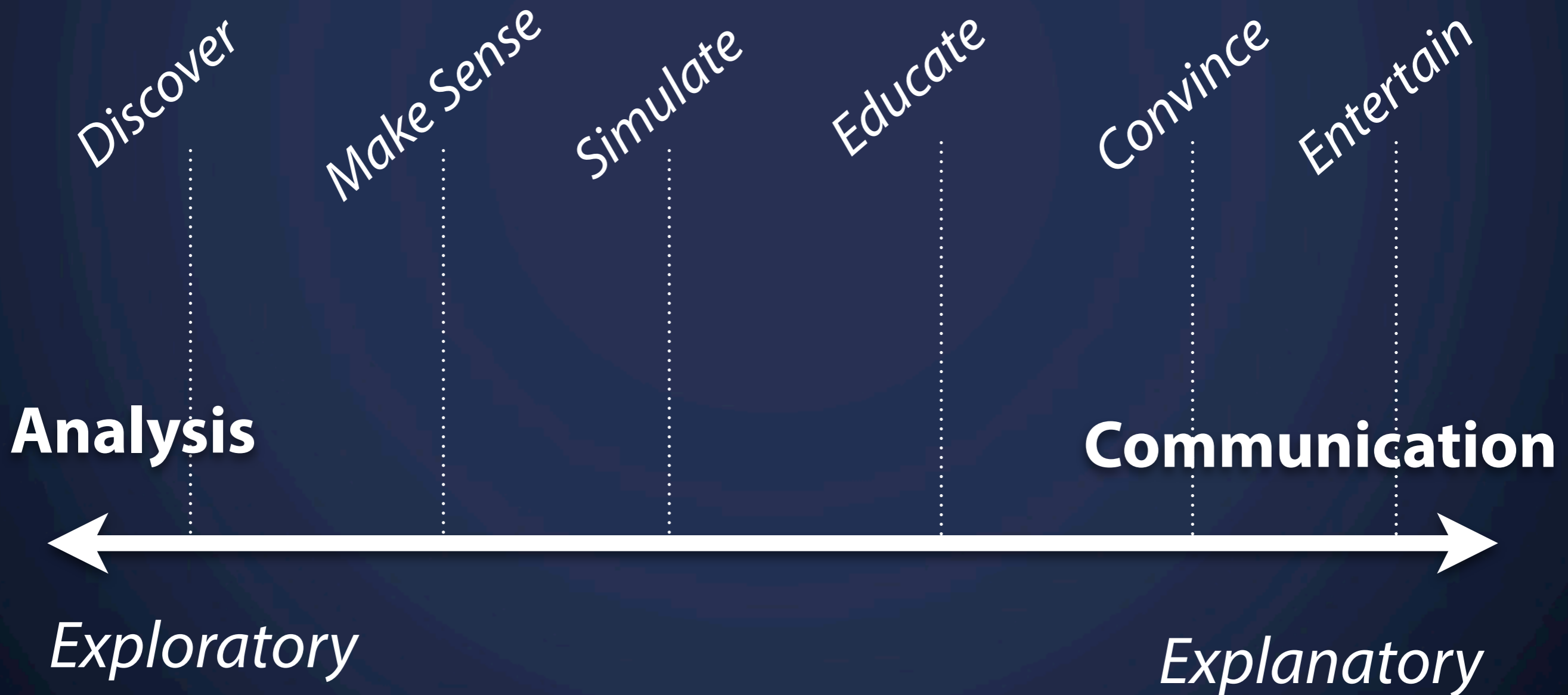
What's the objective?



Analysis – Communication

What's the objective?

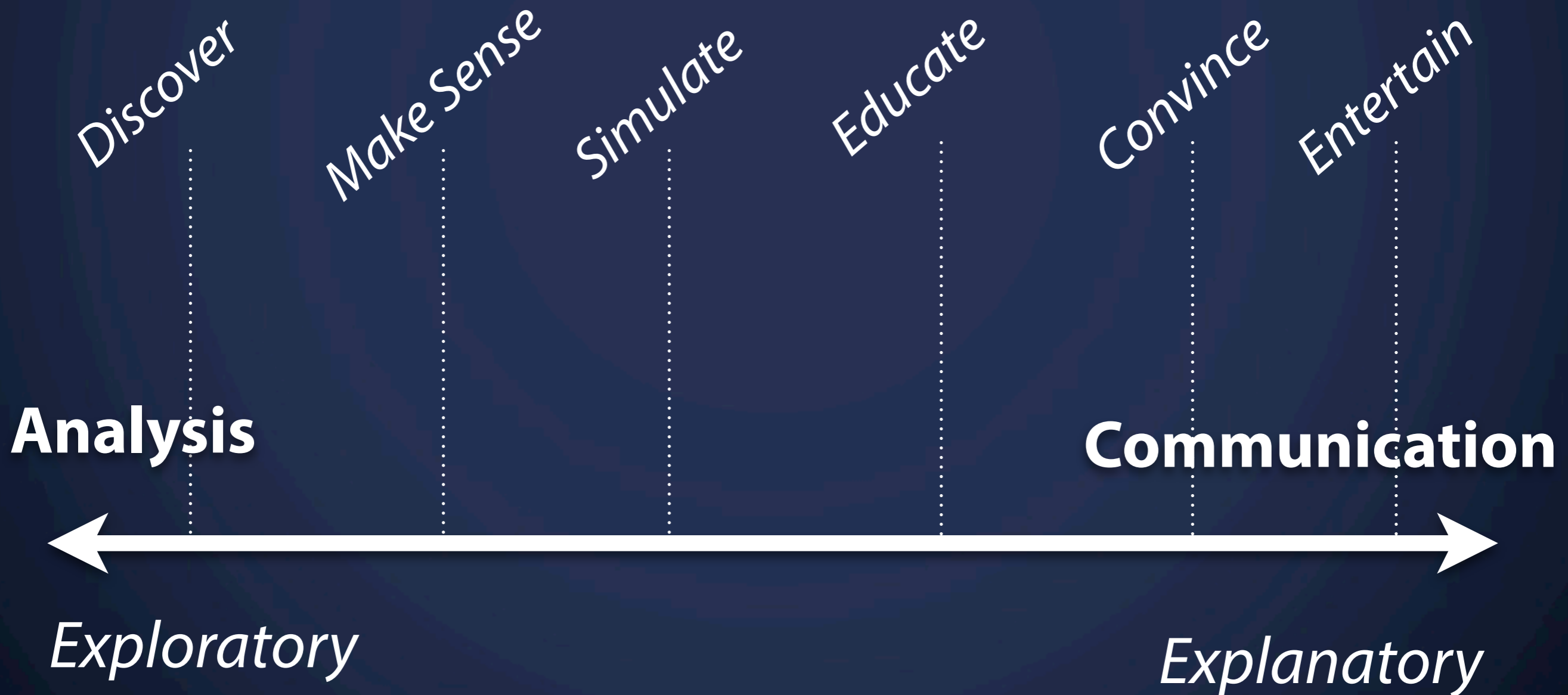
Touch?



Analysis – Communication

What's the objective?

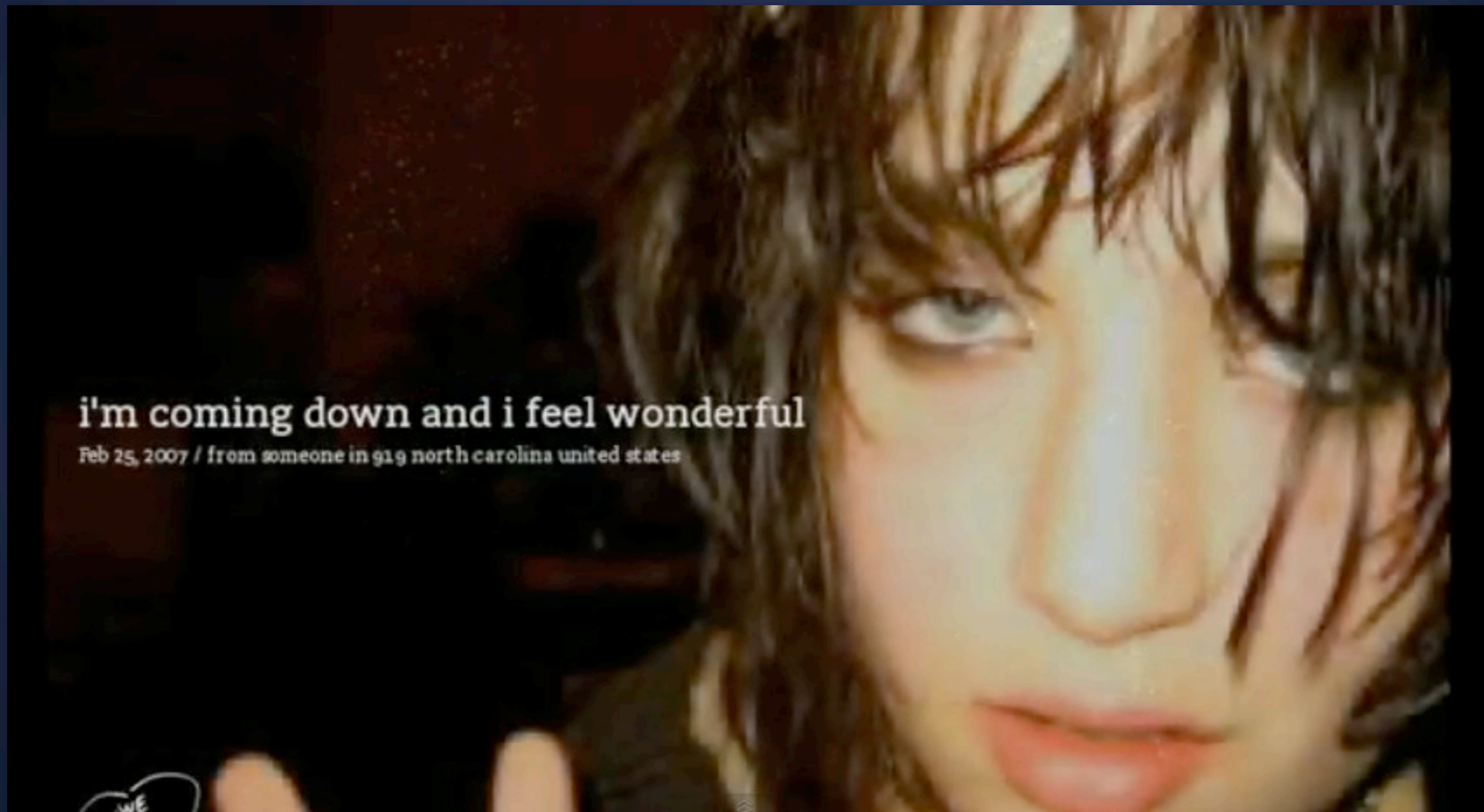
Touch? *Inspire?*



Emotional

We Feel Fine

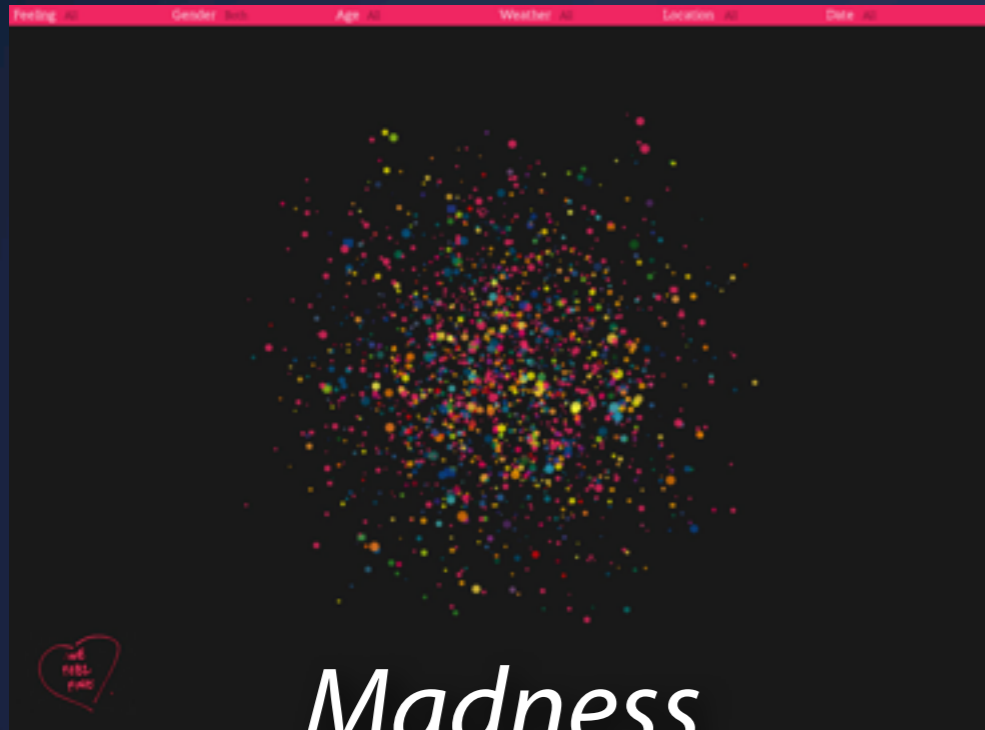
Emotions in Data Visualization



https://www.youtube.com/watch?feature=player_embedded&v=95Qm4IJUGjA#!

We Feel Fine

6 Movements

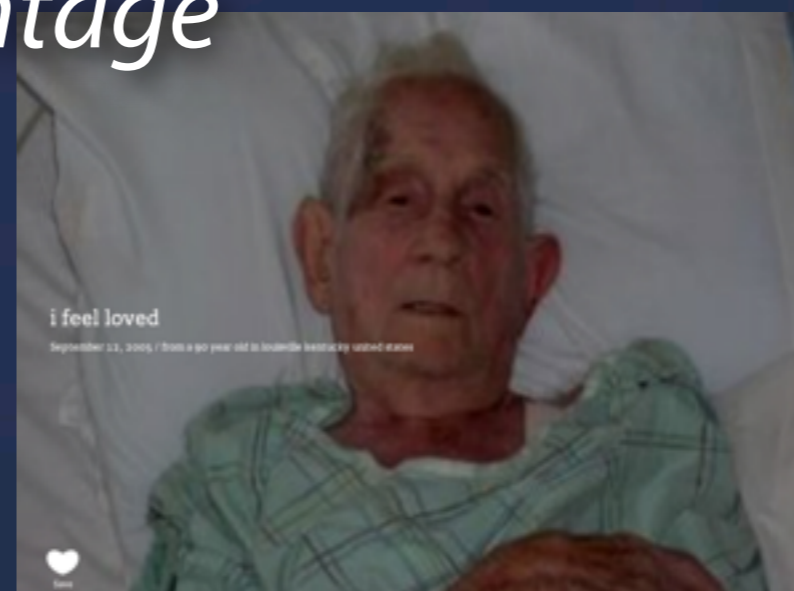


Madness



Murmurs

Montage



We Feel Fine

6 Movements



Mobs



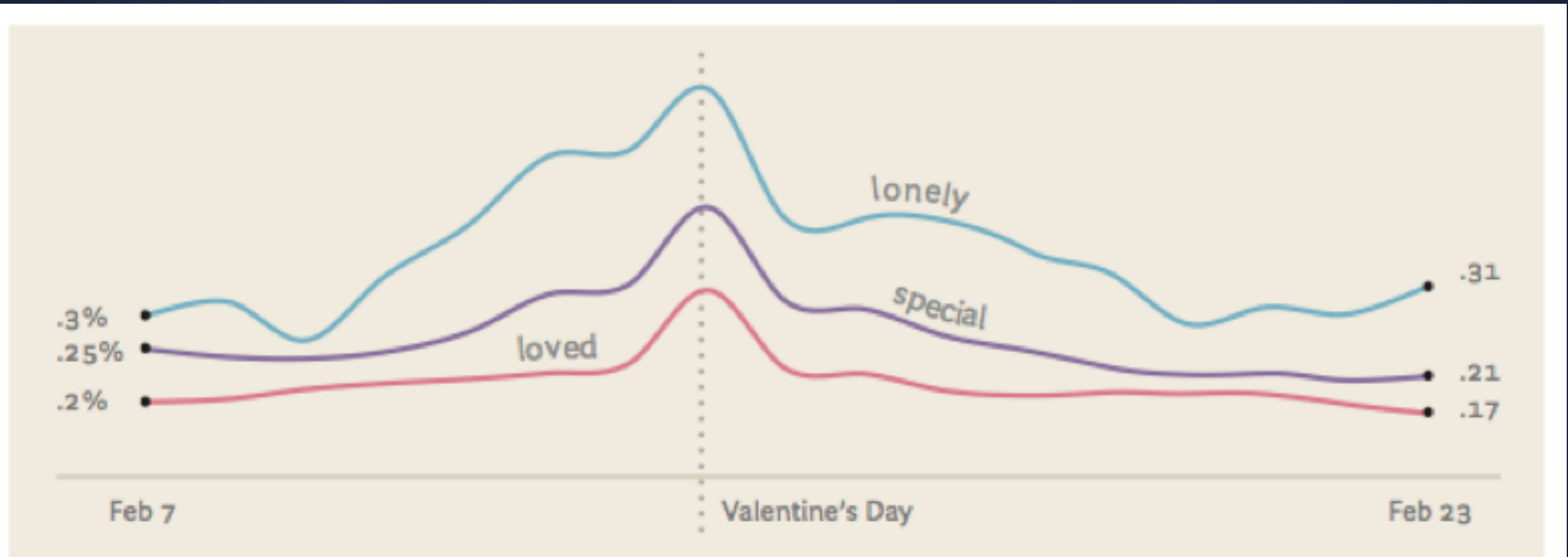
Metrics



Mounds

We Feel Fine

Findings



Valentine's Day / 2006–2008 average

Loneliness sees the biggest rise, starting a few days before Valentine's Day and remaining high for a few days afterwards. Feeling special and loved is also typical of the holiday.

We Feel Fine

Findings

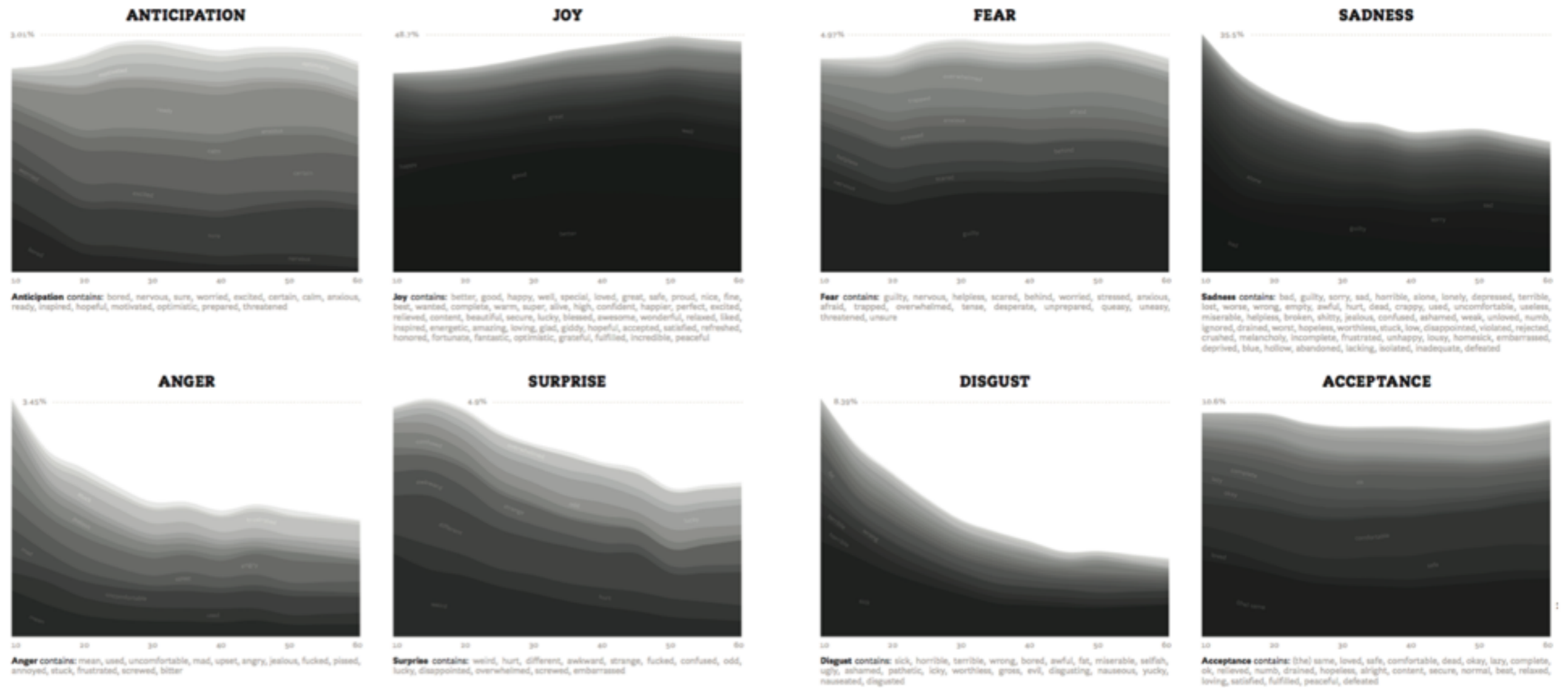


Figure 9: The Emotions of Aging

We Feel Fine

Dichotomies

Structured



Exploratory

Cognitive
Value



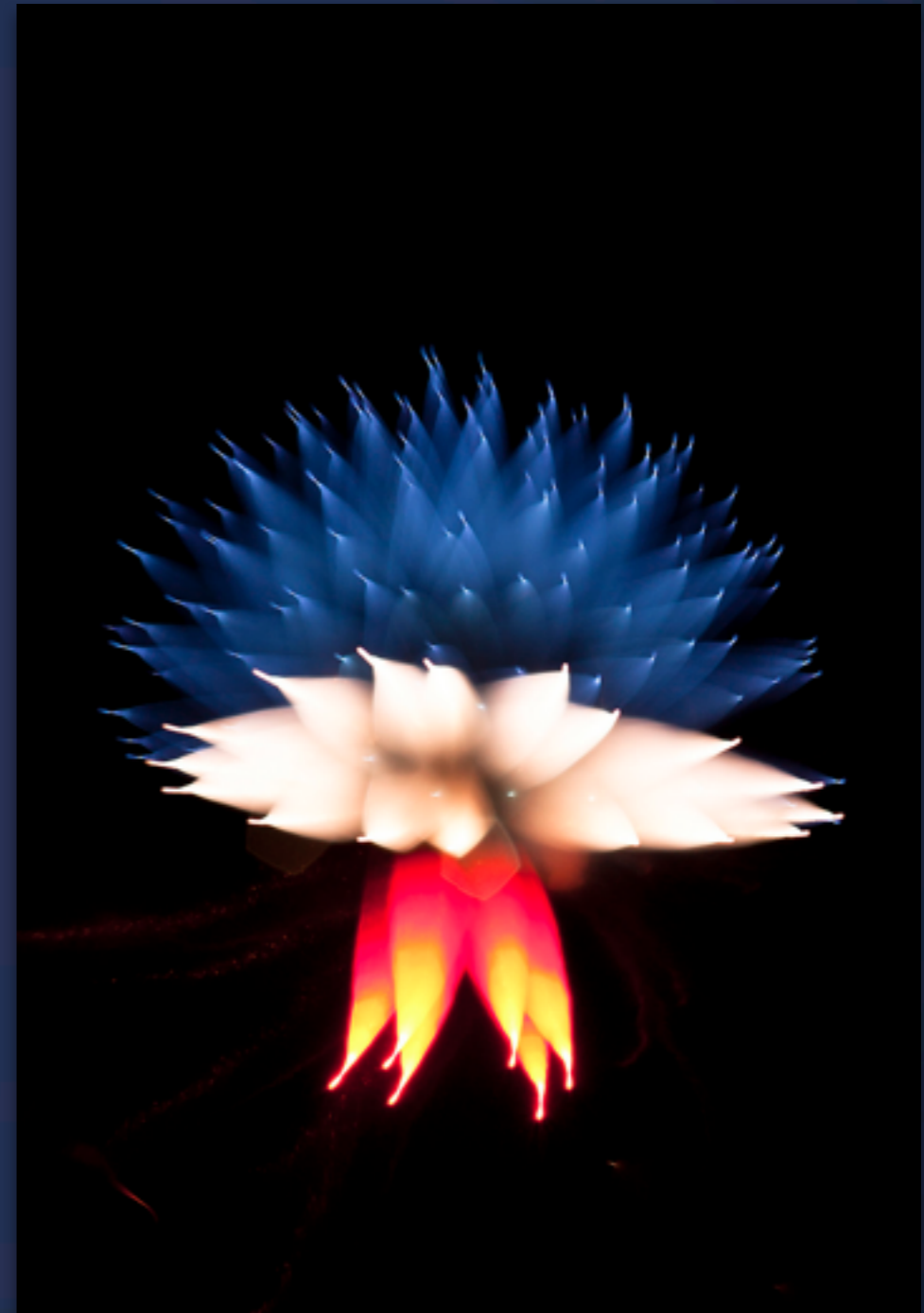
Emotional
Value

"[Visitors felt] greater emotional self-awareness, an increased sense of connection to others, and a greater sense of calm."

Generative

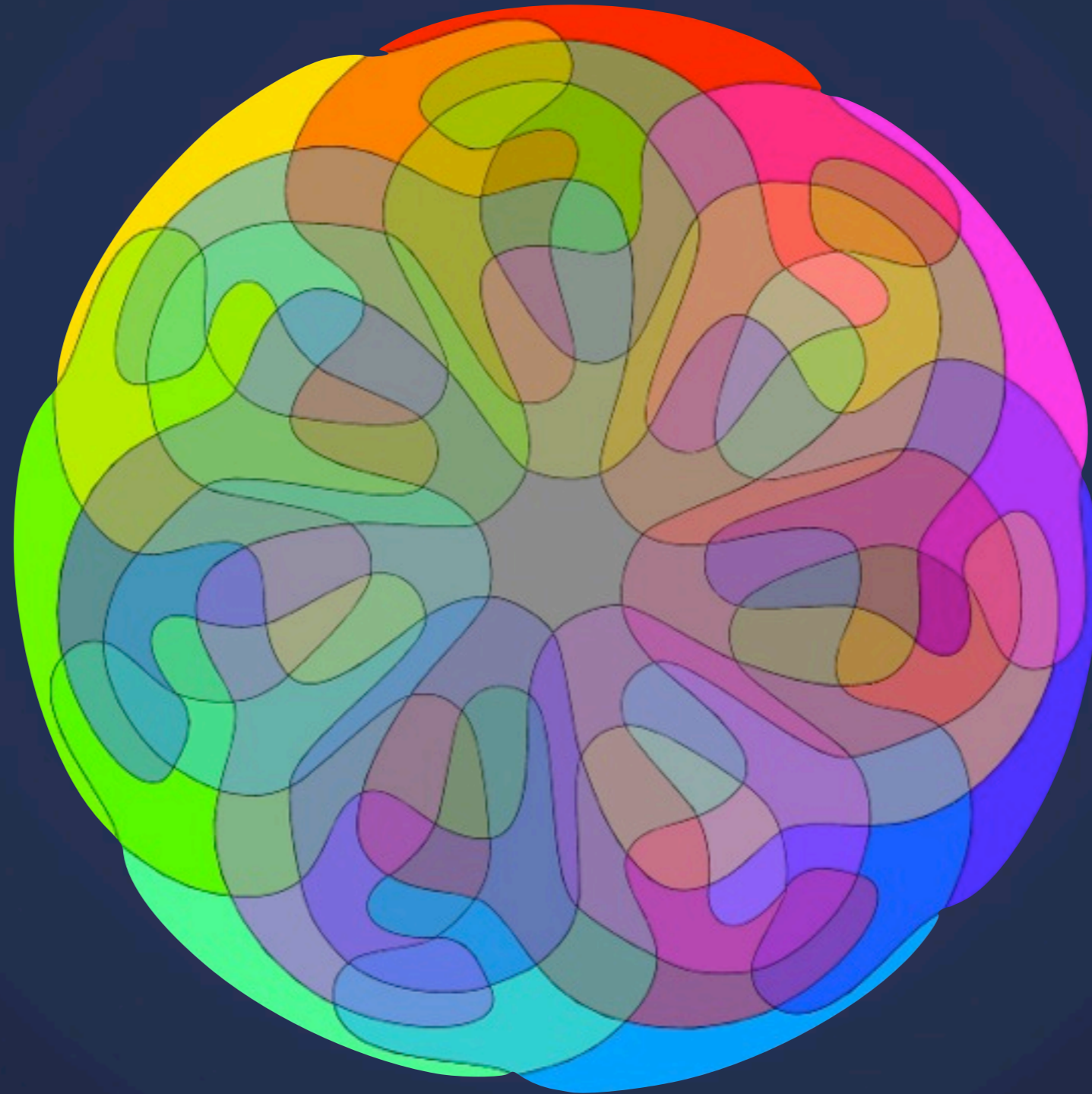
Fireworks

Long exposure



Seven Sets Venn

by @moebio



Generative Art

Chernoff... Octopusses?



<http://tributary.io/inlet/5243084>

Process Compendium

Casey Reas

F1: Circle

F2: Line

B1: Move in a straight line

B2: Constrain to surface

B3: Change direction while touching another Element

B4: Move away from an overlapping Element

B5: Enter from the opposite edge after moving off the surface

B6: Orient toward the direction of an Element that is touching

B7: Deviate from the current direction

E1: F1 + B1 + B2 + B3 + B4

E2: F1 + B1 + B5

E3: F2 + B1 + B3 + B5

E4: F1 + B1 + B2 + B3

E5: F2 + B1 + B5 + B6 + B7

Process Compendium

Casey Reas



Serendipitous

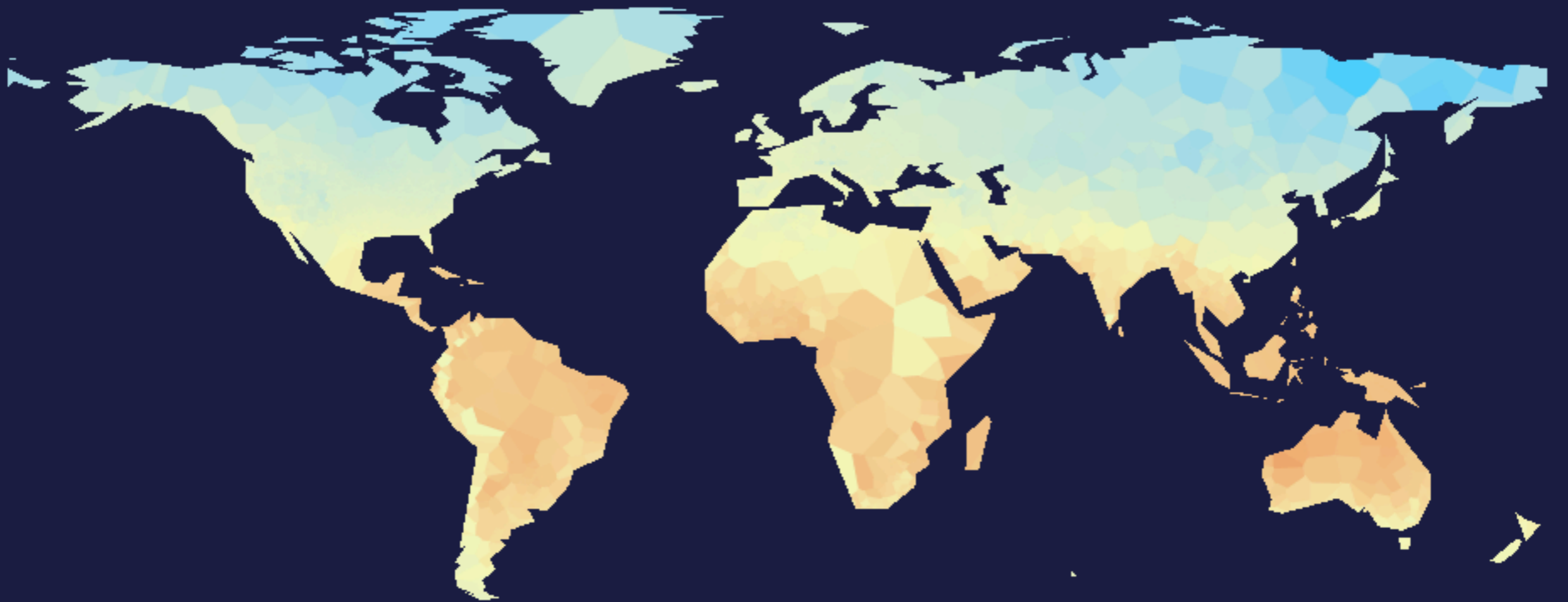
Byproducts

... can be beautiful



Byproducts

... can be beautiful



Byproducts

... can be beautiful



Recap

The last one.

Final Project

A few things...

Deliverables

To hand in today

Title and 2 sentences
(to gpanger@ischool)

<http://blogs.ischool.berkeley.edu/i247s13/assignments/final-project/>

Deliverables

To hand in by 5/5/13, 11.59pm

hosted version of your final visualization artifact

your source code

1,500-2,000 word report about visualization and process

entry to the blog

<http://blogs.ischool.berkeley.edu/i247s13/assignments/final-project/>

Presentation Schedule

Tuesday, 5/7	Thursday, 5/9
Alec, Andrew, Kelly and Taek	Kristin, Divya K, Kiran and Kate
Karthik and Taeil	Sandra, Morgan and Sonny
Vimal, Gaurav and Jen	David, Christina and Jacob
Seema, Priya and Julia	Fred, Raymon and Charles
Sara, Chris, Suhani and Aksel	Divya A, Evie, Shreyas and Sonali

Project Presentation

12-15 minutes / team, including Q&A

You'll present the project, process, and give a demo.

Presentations have to be PDF, Powerpoint, Keynote, or accessible online.

Send to gpanger@ischool the morning of the presentation (by 12pm). Include special fonts.

Evaluations

It's YOUR turn

Thanks

A few things...