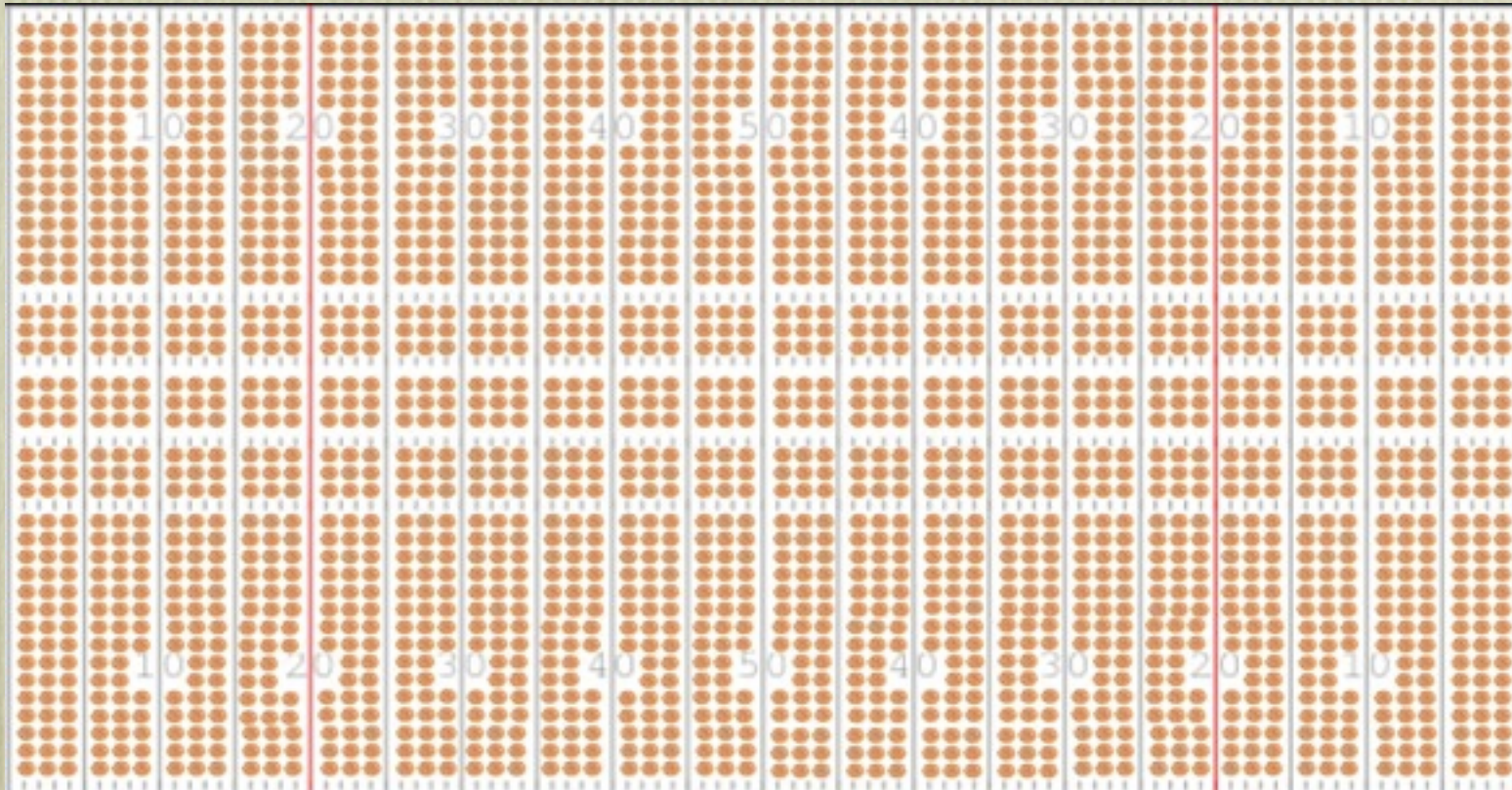


Northfield Middle School Digital Art Project

Viz Workshop: Looking Off-Campus

December 6, 2011





Chris Jordan, *Running the Numbers*.



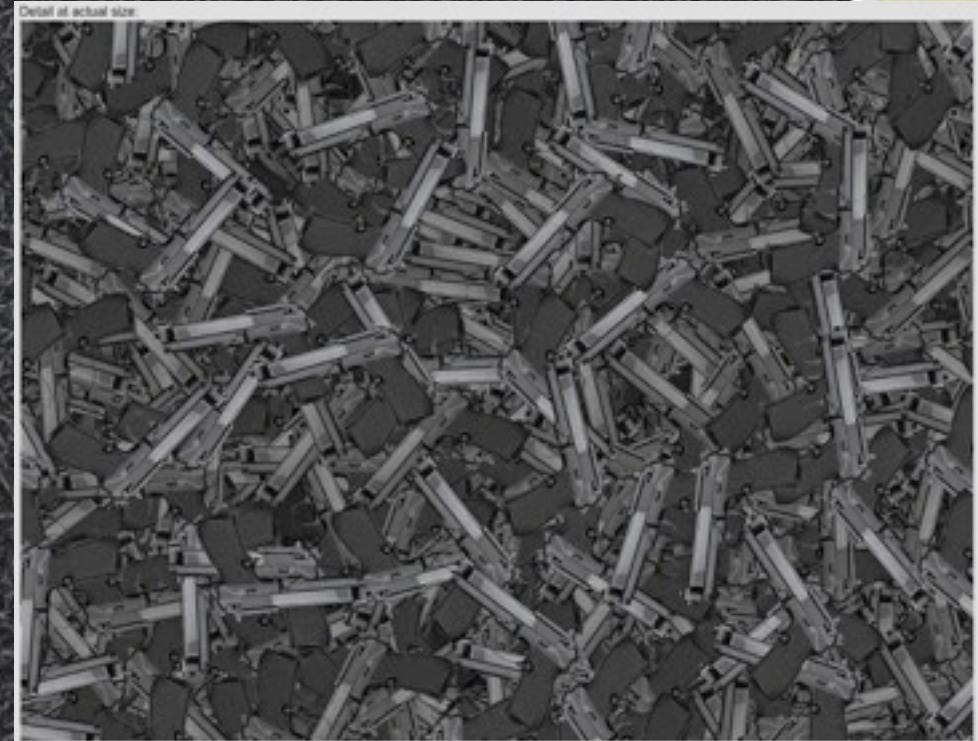
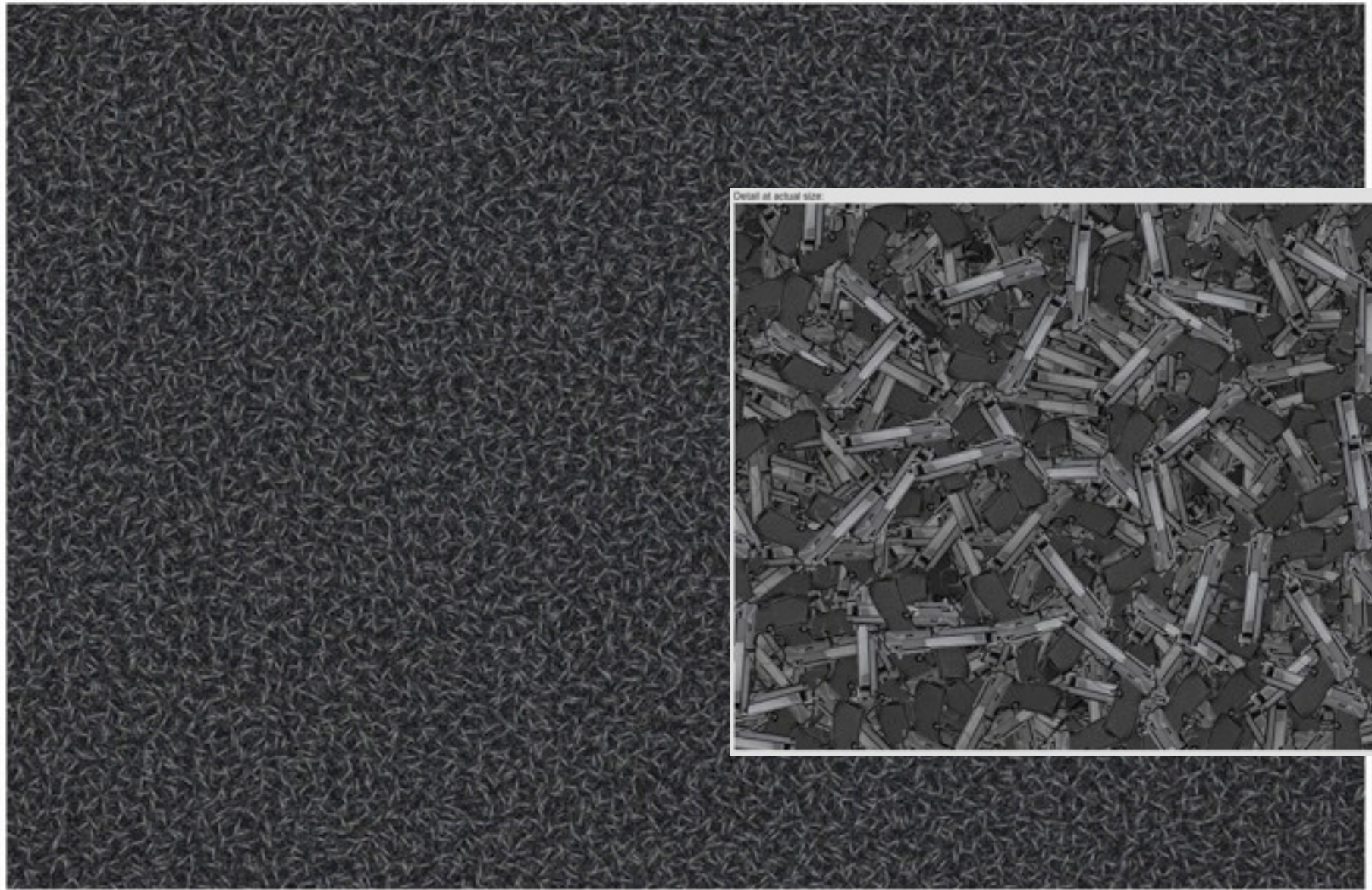
44" and 60x60"

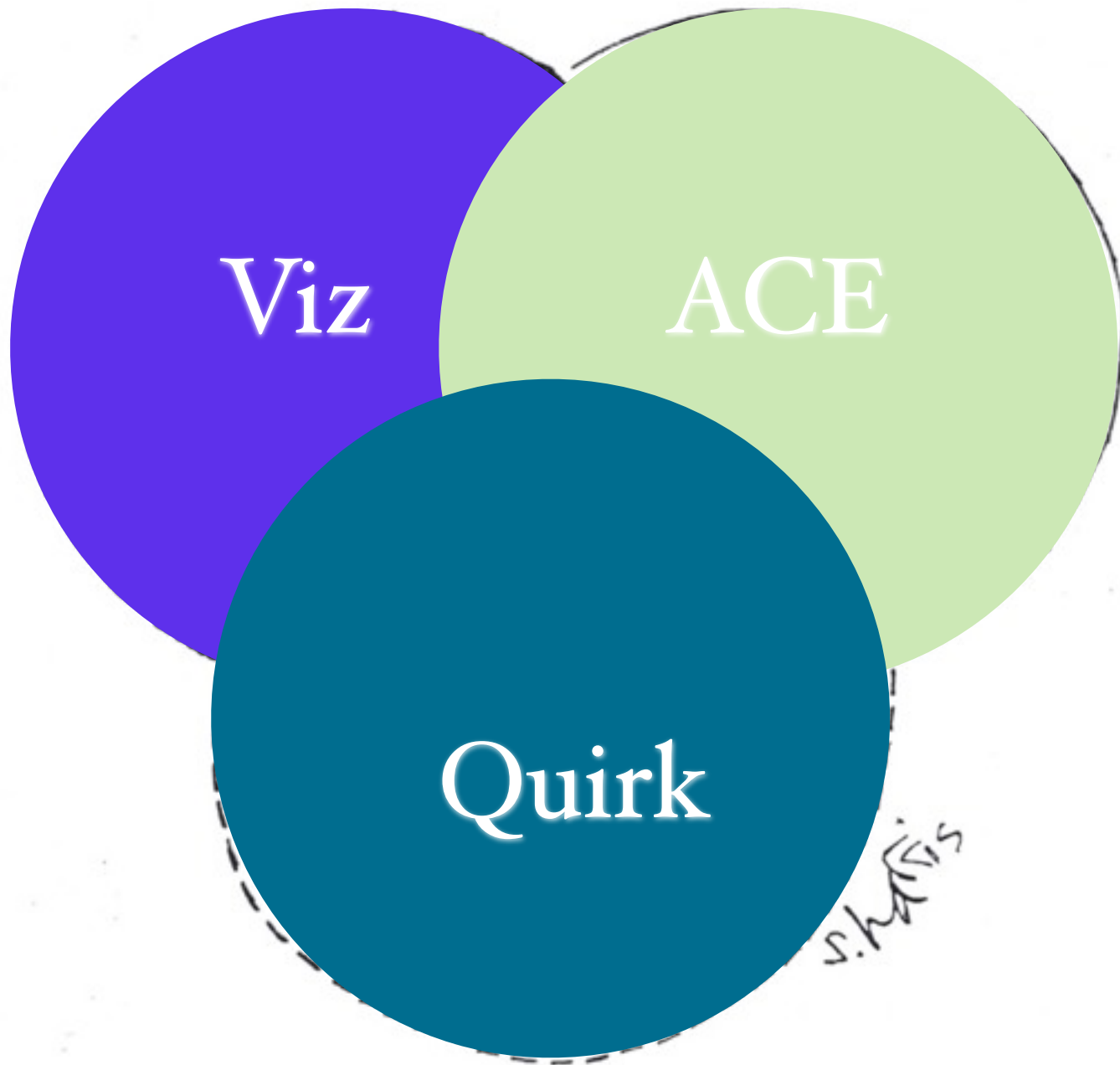
al to the average number of pieces of junk mail that are printed, shipped, delivered, and disposed of

Handguns, 2007
60x92"

Chris Jordan, Running the Numbers

Depicts 29,569 handguns, equal to the number of gun-related deaths in the US in 2004.





Northfield Middle School

Running the Numbers Project



A Collaboration of NMS Students in *Mr. John Bade's four art classes*
& Carleton students in *IDSC 100: Measured Thinking*

A conjunction of *many* agendas

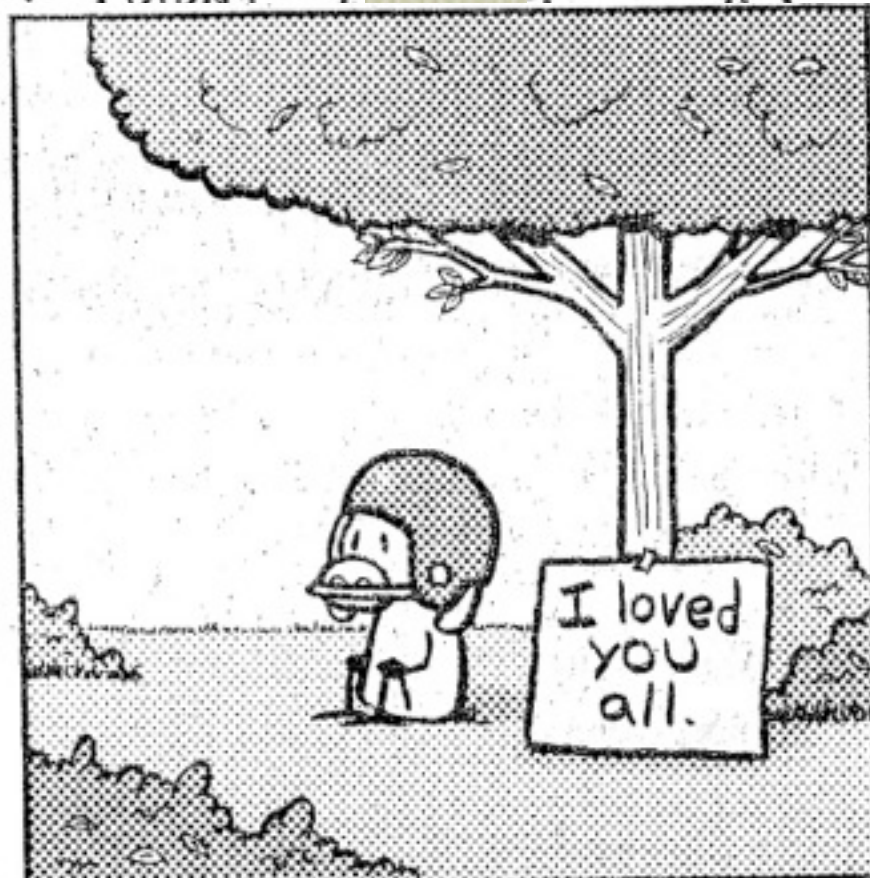
- Involve students in digital art (and teach basic computer skills).
- Promote quantitative reasoning.
- Engage my students in a meaningful project.
- Generate interest in the Chris Jordan exhibit and community involvement in the Weitz Center.

DID YOU KNOW THAT OUR GALAXY
AND THE ANDROMEDA GALAXY ARE
MOVING TOWARD EACH OTHER AT A
SPEED OF 320,000 MILES PER HOUR
AND WILL COLLIDE IN ABOUT THREE
BILLION YEARS?

HOPE YOU
DIDN'T

WHAT'S
WRONG WITH
TELLING
PIG?

SOMETIMES
HE HAS
TROUBLE
CONCEPTUALIZING
BIG NUMBERS.



Just what is a million?

- 1,000,000

What about a billion?

- 1,000 x 1,000,000

- 1,000,000,000

About how many days does it take
for a *million seconds* to tick away?

— $60 \times 60 \times 24 = 86,400$ seconds/day

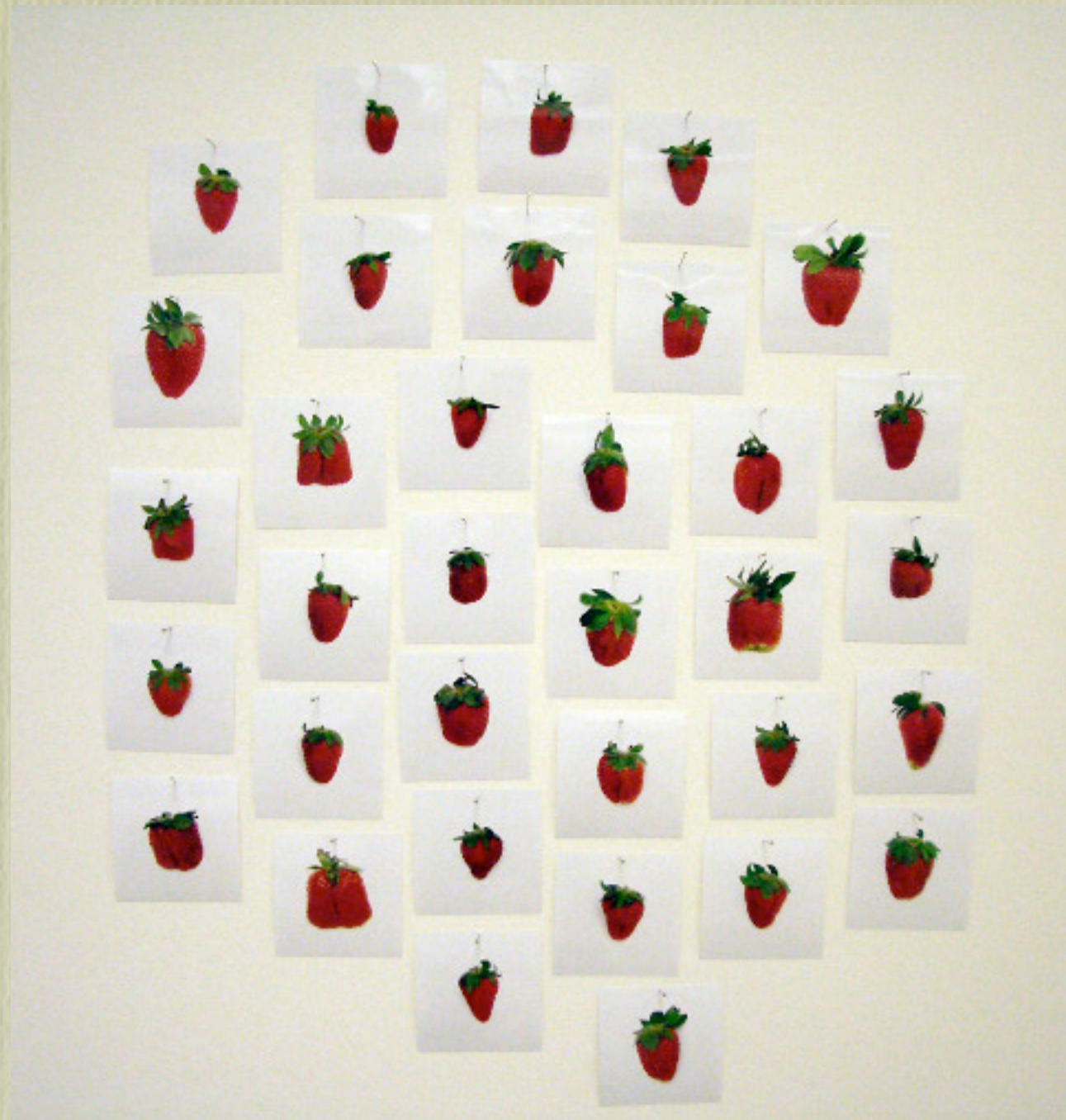
— 11.5 days

What about a *billion seconds*?

— $1,000 \times 11.5 = 11,500$ days

— 31.5 years

Hans-Peter Feldmann



GOINGS ON ABOUT TOWN: ART

THE HUGO BOSS PRIZE 2010: HANS-PETER FELDMANN

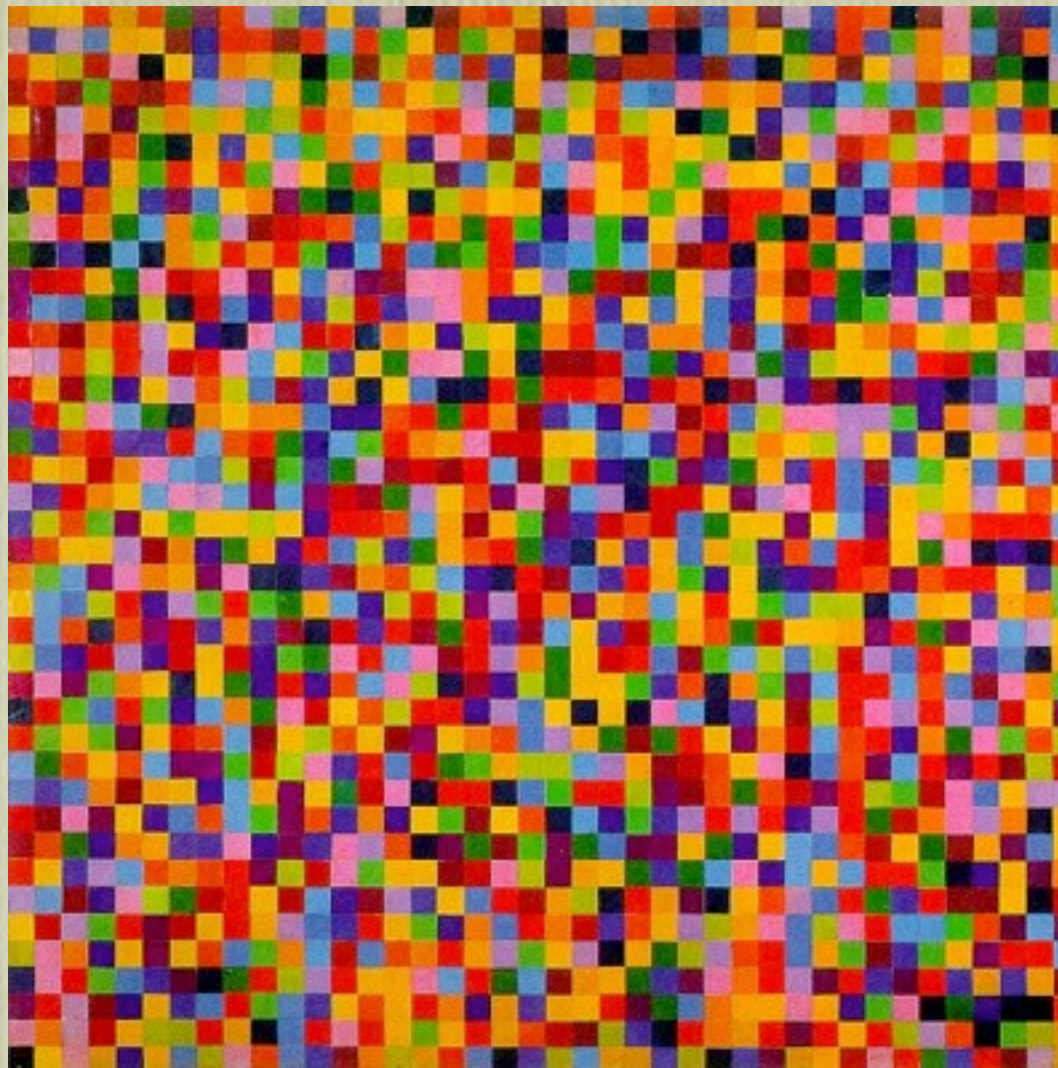
Go just to hear the guards admonish visitors not to touch this installation of a hundred thousand single dollar bills—the amount of money the German artist won when he received the Guggenheim's Hugo Boss award, last year (a show at the museum is part of the prize). Pinned to the walls and columns of the gallery, in overlapping symmetrical rows, the cash looks simultaneously tempting and banal. It's also completely in keeping with the seventy-year-old German artist's obsessively indexical approach—in the past, Feldmann has documented all the clothes in one woman's wardrobe and taken portraits of people of all ages, from infants to centenarians. Here he both celebrates his winnings and downplays them: the bills are all well-worn, at the artist's request. Through Nov. 2.

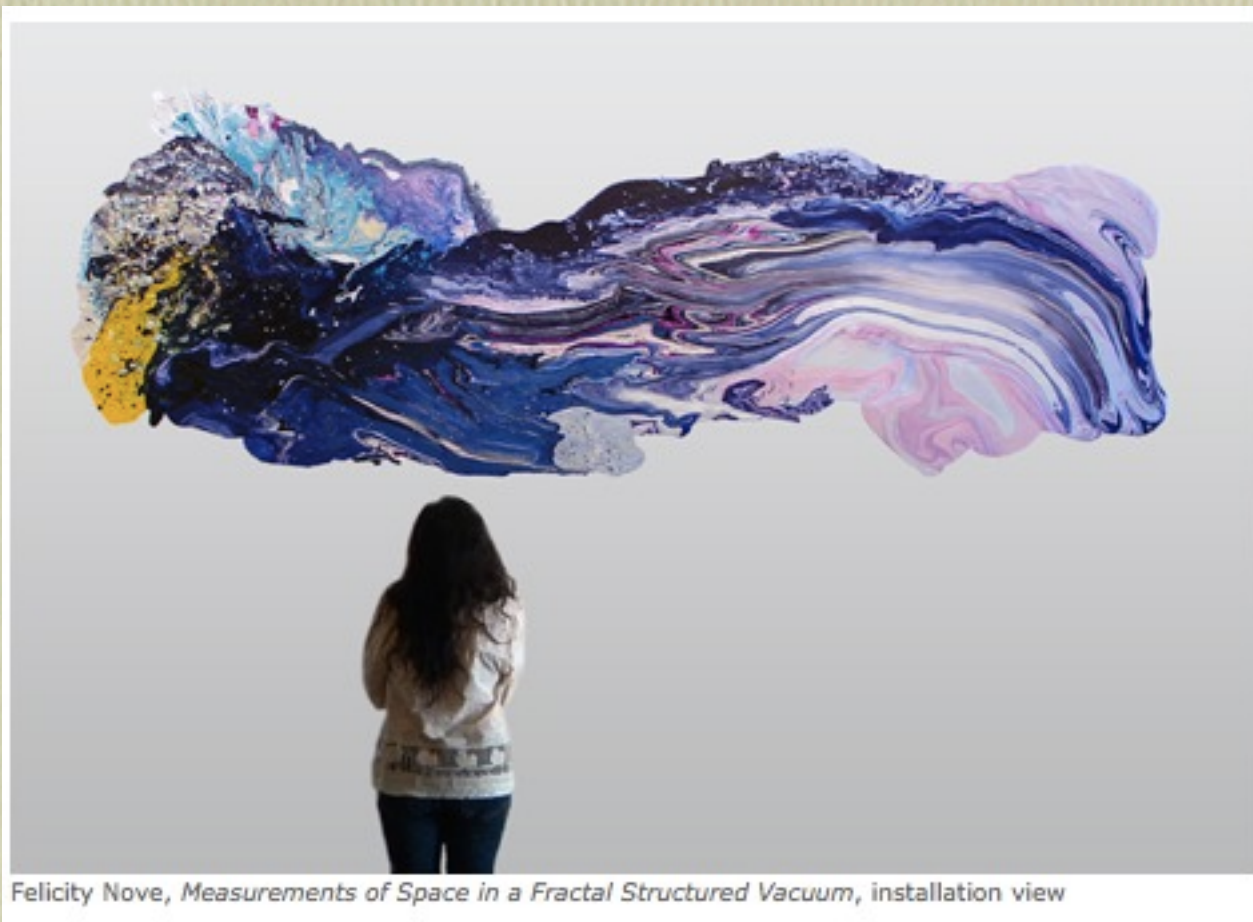
Guggenheim
Museum Show

\$100,000



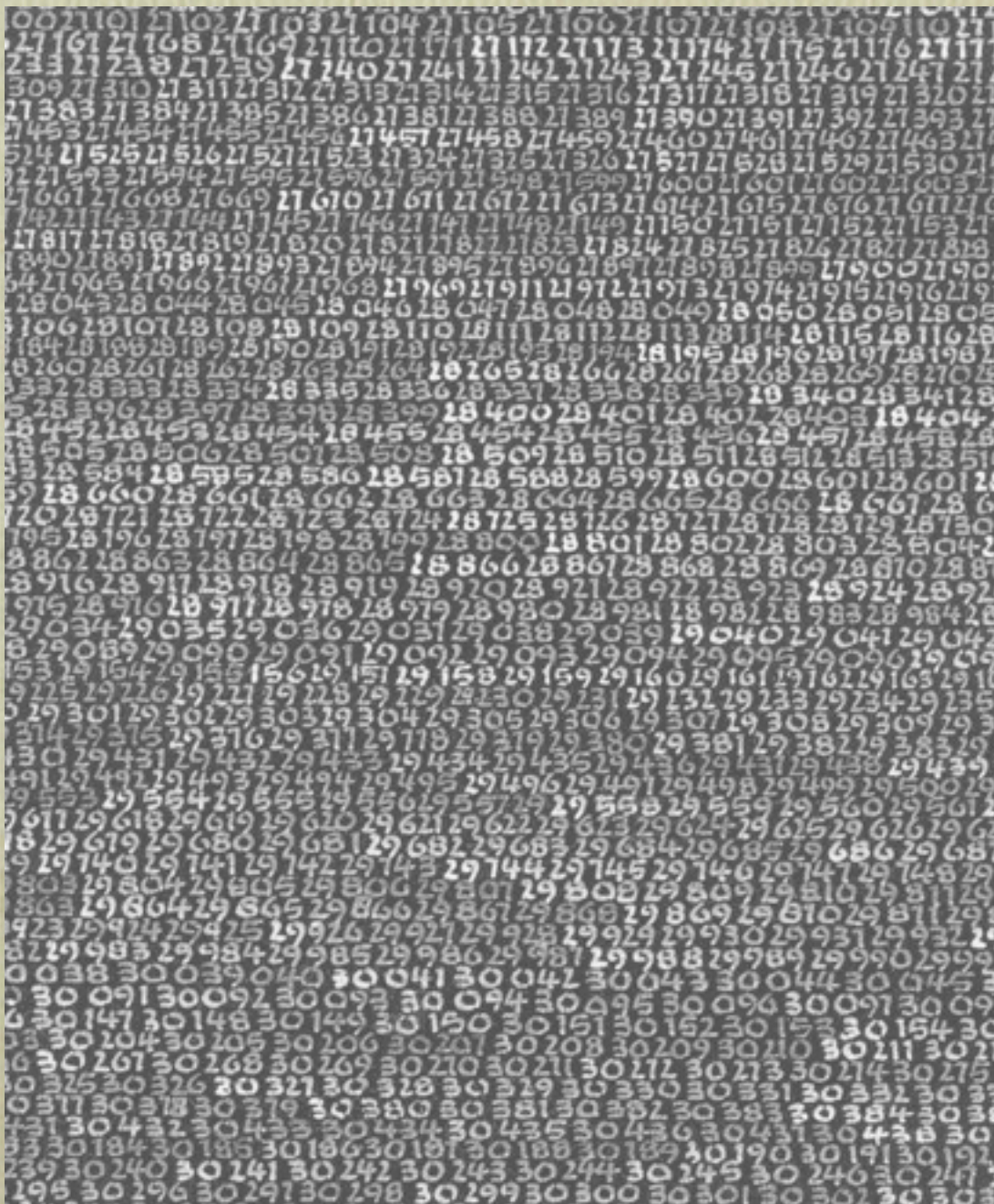
Ellsworth Kelly,
*Colors Arranged by
Chance*





Felicity Nove, *Measurements of Space in a Fractal Structured Vacuum*, installation view

Measure for Measure, Harvard University Carpenter Center



Roman Opalka,

I - ∞

*“Time as we live it and we create it
embodies our progressive disappearance.
We are at the same time alive and in the
face of death--that is the mystery of all
living beings.”*

Two Million Grapes





Over a few weeks at NMS:

- Identify things we might describe with numbers and represent in an image.
- Find the relevant numbers.
- Consider what our images might look like and how we could create them.
- Use digital photography and programs to compose an image.



Exhibit the images in the Weitz Center.

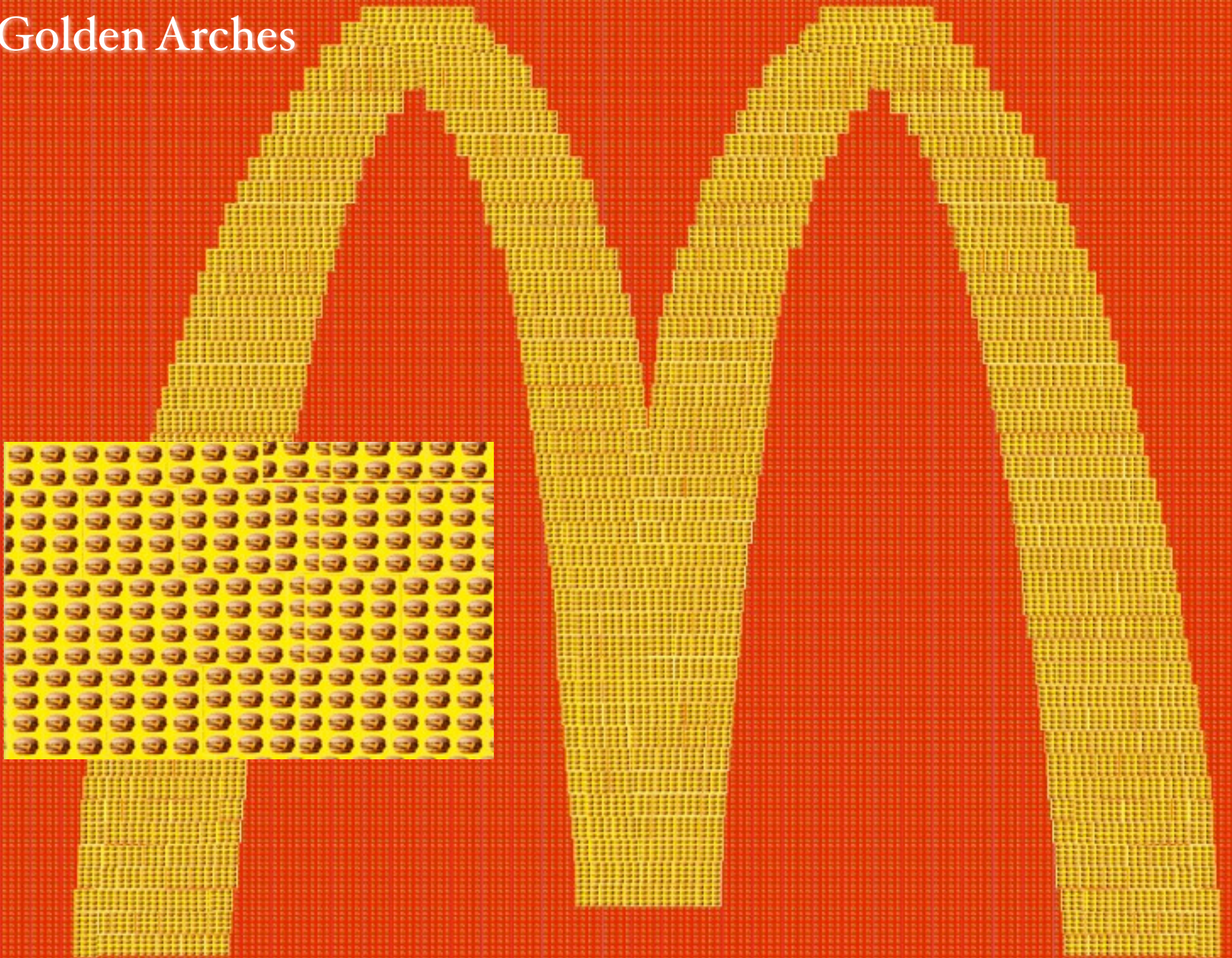
A logistical nightmare!

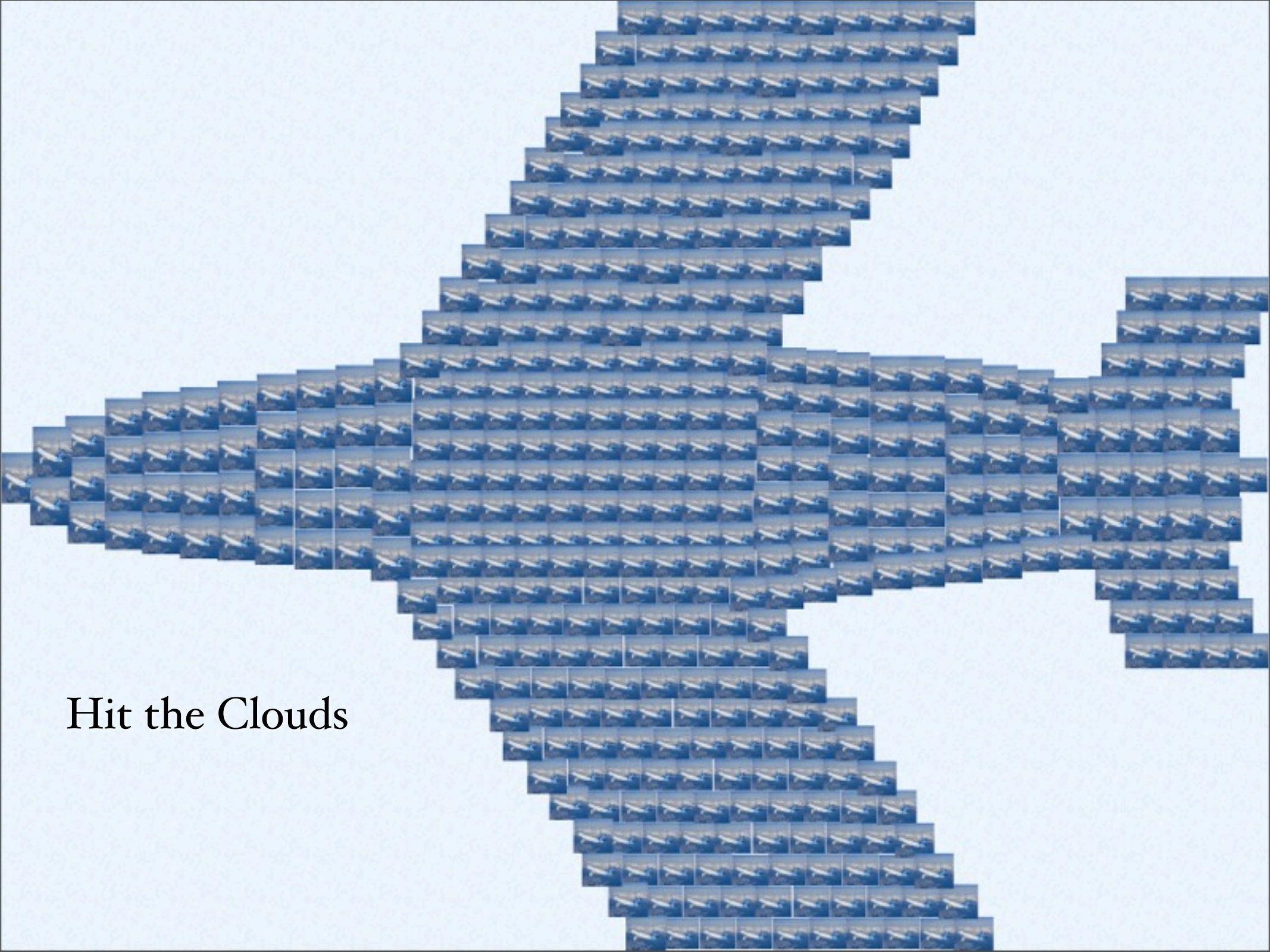
- My class met MWF from 8:30-9:40.
- John's classes met MTWTh from 7:57-8:55 and 8:59-9:50.
- Wednesday has a late start!
- NMS uses Gimp rather than Photoshop and places restrictions on web searches.
- Classes *alternate* between M/W and T/Th.

Working Groups



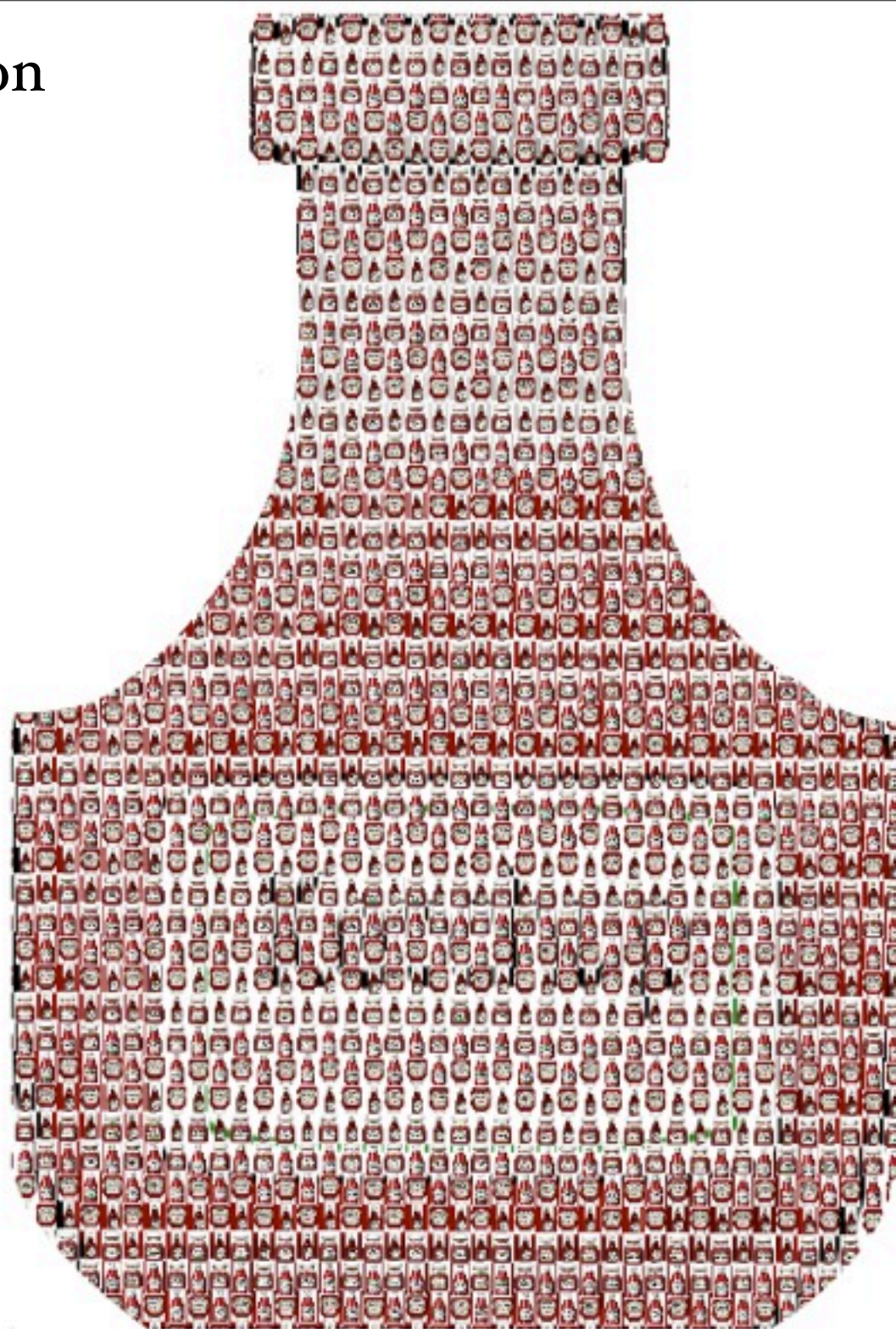
Golden Arches



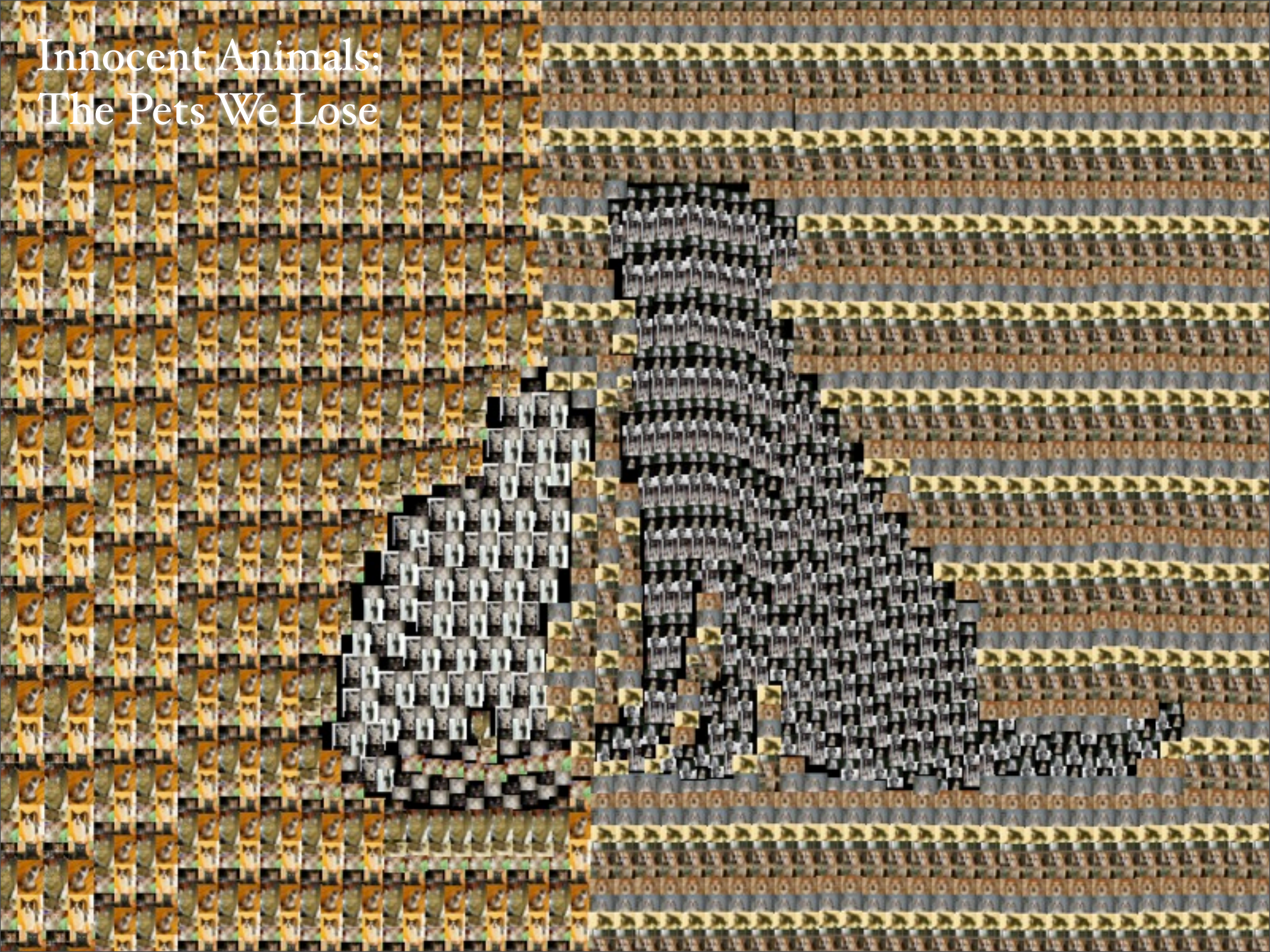


Hit the Clouds

I Put Ketchup on
my Ketchup



Innocent Animals: The Pets We Lose

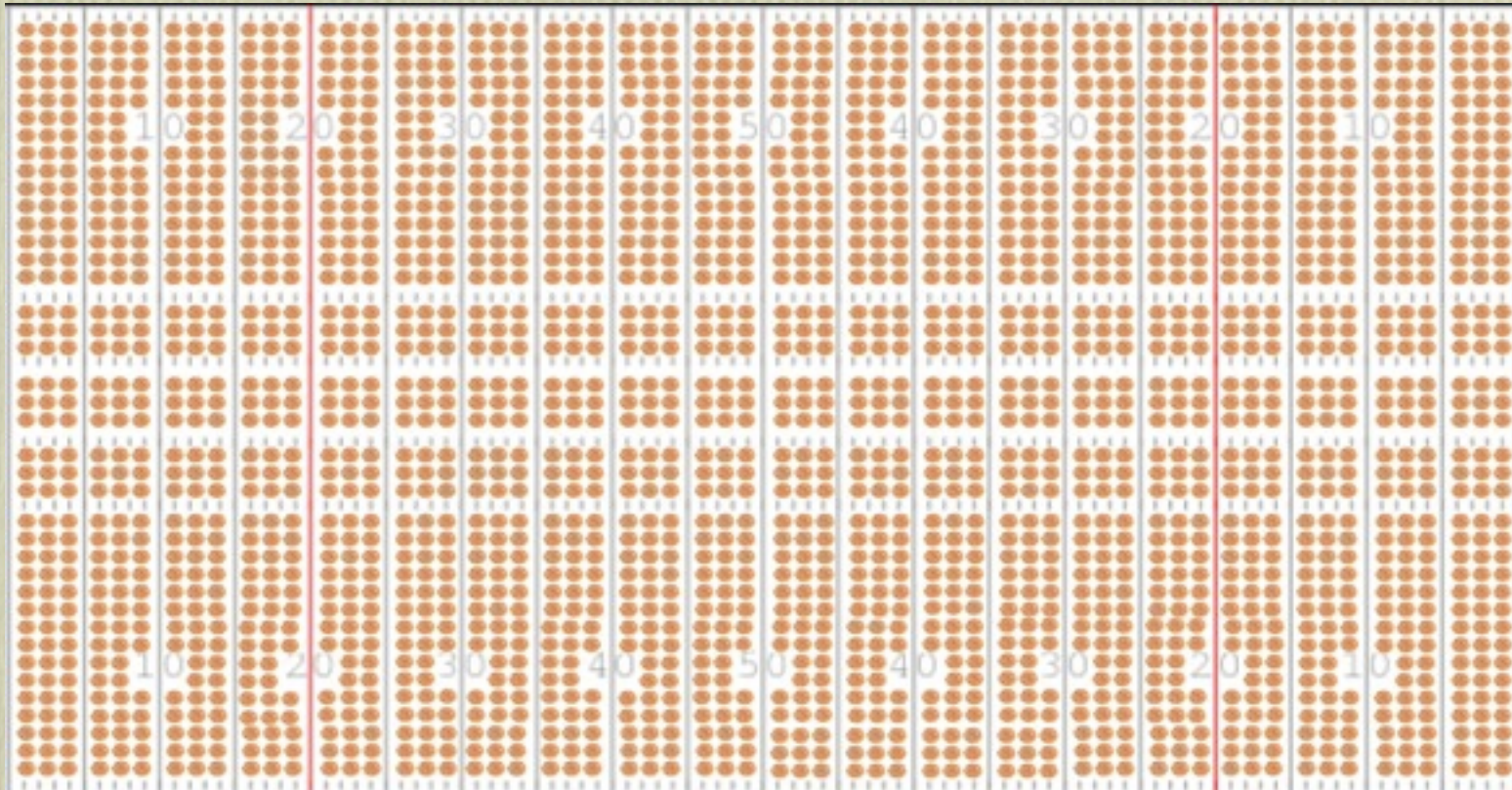




It was great!

- 17 groups; 17 finished images.
- Positive evaluation data & feedback.
 - “Working with numbers can be fun.”
 - “Numbers can’t tell you much that is useful.”
 - *Learned:* the number; how to manipulate images; what digital art is.
 - *Liked:* working with others; freedom to choose; the final image.
- We *all* learned a lot.

NMS Show: The Weitz Center White Space, January 9-31.



Feast of Pizzas

*Depicts a football field of (pepperoni) pizzas, the
amount Americans consume every 15 minutes.*