THE SHAPES of my thoughts

@giorgialupi - EYE0 2014
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(2011 - ) accurat

Static and Interactive Data Visualizations

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MUSIC NOTATIONS

ARCHITECTURE

NATURAL ELEMENTS

ABSTRACT ART

@giorgialupi - EYE 2013 “DATA I PAINT WITH”
THE SHAPES of my thoughts

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HAND DRAWN PRESENTATION!!
WE LIKE TO DO: CUSTOMIZED, EXPLORATORY AND BEAUTIFUL REPRESENTATIONS OF DATA.
WE THINK THAT:

PLEASANT AESTHETICS

CAN TRIGGER READERS’ CURiosity

TO EXPLORE MORE
"ORNAMENT was never a problem until the Victorians made it one."

- Sir John Summerson
MAKING A DATA VISUALIZATION BOTH INTELLECTUALLY COMPELLING AND EMOTIONALLY RICH.
INSPIRATIONS FROM:

ABSTRACT ART

SCIENCES

MUSICAL SCORES

ASTRONOMY

GENERATIVE IDENTITY

ARCHITECTURE
Looking for inspiration

Tracking images

* re-drawing them
* DRAWING?

...a **functional tool** for capturing and exploring thoughts and ideas

...an act demanding the **focusing of attention**
* Drawing to understand what I am thinking
DRAWING as a MIXTURE of what YOU ARE SEEING and what YOU ARE IMAGINING
DRAWING as a mixture of what you are SEEING and what you are IMAGINING
Cumulative numbers of citations from 1948 to 1998

Topics: Mathematics, Microbiology, Multidisciplinary physics

1948: Top 20 papers

Other fields have a quicker pace overall—evident in their narrower colored rings than the physical sciences.
HOW TO READ IT?

BEGINNING YEAR OF THE DISCIPLINE (1998)

COLOURED AREA = FIELD'S AVERAGE YEARS TO REACH THE PEAK OF CITATIONS

NUMBER OF AUTHORS PER PAPER

INTERNAL BAR = CUMULATIVE NUMBER OF REFERENCES TO THE PAPER

NOTE LENGTH: YEARS TO REACH THE PEAK OF CITATIONS PER EACH PAPER

RECURRENT AUTHORS (ARCS)
Life sciences fields have a quicker pace overall—evident in their narrower colored rings—than the physical sciences. Recent papers tend to have more authors—as in environmental science [far right].
... SKETCHING THE FIRST ARCHITECTURE

- other disciplines positioned?
- 20 disciplines explored
- 60 trees of disciplines grouped

number of citations -> total number of papers?
"Exploring and raising questions"

MTA = paper singolo
Lunghezza = media anno?
Autori ricorrenti?

End
Beginning

Possiamo avere una running average?

Corona = Impact factor

Ce sono discipline raggruppabili?
"Refining the structure of the visualization"
DRAWING TO ENCOURAGE THE AESTHETIC UNDERSTANDING
Kabbalah and Sephirots
"you know which one I like the most? the one with the candelholders!

I'd love to hang it on the wall!"

granny, 84
DRAWING AS AN ACT OF APPROPRIATION

...to introduce a level of abstraction

...to elaborate on inspiration
_researchers going abroad
_researchers entering the country
_returning researchers
_main destinations
+
_unemployment rate in the country,
_female employment rate,
_percentages of foreigners and emigrants
(on regular pollution)
_GDP
_universities ranking
qui ho schiarito le opacità di tutti tranne i ricercatori (storia principale piu chiara)
quelli che ritornano in verde? (E' una cosa positiva)

> visually comparing all of the parameters: normalizing all of the indicators
Brain drain

The phenomena of scientific talent drain is explored through a map showing migration and mapping lines of researchers to different destinations. Researchers are tracked by their destinations, using the restrictions that many researchers face and conditions they encounter. Each country is visualized through the representation of GDP per capita, female employment rate, national rankings, percentage of foreign researchers, percentage of overall foreign population, percentage of emigrant researchers, and the main country researchers come from and return to.

HOW TO READ

- The countries are positioned according to their GDP per capita (1).
- The map illustrates the country rankings (2).
- Emigrant population percentage (1).
- Emigrant researchers (2).
- Female employment rate (3).
- University rankings (4).
- Per capita (1).
- Foreign researchers percentage (2).
- Foreign people percentage (1).
- Unemployment rate (1).

A unit is GDP measured in $1,000.
to see the details
and the big pictures
at once
disposizione orizzontale da 1 a 19

parametri che evolvono più fluidi?
MAIN characters frequencies within the book, including victims, murderers, missing people.

his Habits through time

emotions evolution through time

(last sentence)

map of recurrent places
Drawing to Compose Articulated Data Landscapes

to explore narrative models that start from visual explorations
“If you mostly sketch to develop ideas, at which point does data come in? Do you also sketch with data?"

-Moritz Stefaner
DATA STORIES PODCAST, 2014
DRAWING to STRUCTURE INFORMATION

- years
- Seasonality
- Movie
  - (1) budget
  - (2) gross office
  - (3) sale price
- Box Office
  - Movie triangles made by the 2 values
  - Settled in PAST or FUTURE
- Color = genre
- Years and seasonality
- Number of awards

Ordered by awards number?
[2] DRAWING to EXPLORE ELEMENTS

- MOVIE TITLE
- AREA 1
- AREA 2
- HEIGHT

SINGULAR

OTHER PARAMETERS?

SALE PRICE

BOX OFFICE GROSS

BUDGET

UNIQUE SHAPE GIVEN BY THE COMBINATION OF THE 3 PARAMETERS
DRAWING TO REFINING
Accurat for Bright Ideas Magazine,
DRAWING TO CONVEY AN EMOTIONAL AND HUMAN FEELING

Pleens:
editorial direction: Filippo Pretolani
concept: Mafe de Baggs
design: Accurat
Pleens!
...you could name your world and link a small description!

every little Pleens you threw will be clickable to explore what you were feeling!

...you could see the most emotional places by looking at how many Pleens around you!

...you could browse the emotional temperature of your Love-ins on a explorable timespan!

...lonely Pleens

...turning on the terrain level

...turning on the time level

...turning on the info level

...what if your beloved doesn’t love you yet? Can we have the “hanged-up” Pleens? waiting to be validated?

...how magic is it when you write your beloved and she was writing you the exact same moment? the “imprecise Pleens” help you two to sincronize

...invent your own language! Associate your emotions to symbols only you and your beloved can interpret

...why not to have “dreaming Pleens”, when you wish to be in a place but you’re not there?

Pleens!
Accurat with Michela Buttignol
here there was a video of the working app, watch it!

www.accurat.it/files/eyeo/pleens.mov
...you could name your world and link a small description!
...every little Pleens you threw will be clickable to explore what you were feeling!
...you could see the most emotional places by looking at how many Pleens around you!
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...invent your own language! Associate your emotions to symbols only you and your beloved can interpret
...why not to have “dreaming Pleens”, when you wish to be in a place but you’re not there?

Pleens!
DRAWING

to explore

SOMETHING

you haven't

in mind yet
here there was a video of my exploratory drawings, watch it!

www.accurat.it/files/eyeo/drawing.mov
DRAWING to ... LIBERATE THE MIND

(i.e. going **figurative** and even more compulsive)
HELLO WORLD. THIS IS MY BOYFRIEND.

1,200 ugly portraits of him, so far
here there was a video of Gabriele’s ugly portraits, watch it!

www.accurat.it/files/eyeo/gabriele.mov
“She keeps drawing George Lucas instead of me, but I love her anyway.”

(Gabriele on Instagram)
SO WHAT?
HEAD → HAND → DRAWING!

DATA

HEAD → HAND(S)

... NUMBERS DATA
DATA ...
LINES OF CODE
FORMULAS ...
ALGORITHMS ...
DATA ...
ERRORS ...
DATA ...

DRAWING!

(noun)
...DRAWING AS A
(IMMEDIATE)
TACTILE FEEDBACK
FOR YOUR MIND...
OH! HERE IS WHAT I WAS THINKING!
THOUGHTS

SIGHT

"A BRAINSTORMING SESSION BETWEEN MY HEAD AND MY HAND"
"Drawing..."

"As an exploration of something you don't have in mind yet"

"As a hypothesis of sight"

"As a conjectural operation"

"As a continuous state of becoming"

"As the tentative manifestation of an insurgent if"

"As a language"

"To navigate possibilities"

"To train your visual senses"

"To shape your personal visual understanding"

"To allow connections to be made"

"To play!" "To have fun!"

"Drawing to get lost and find yourself back."
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