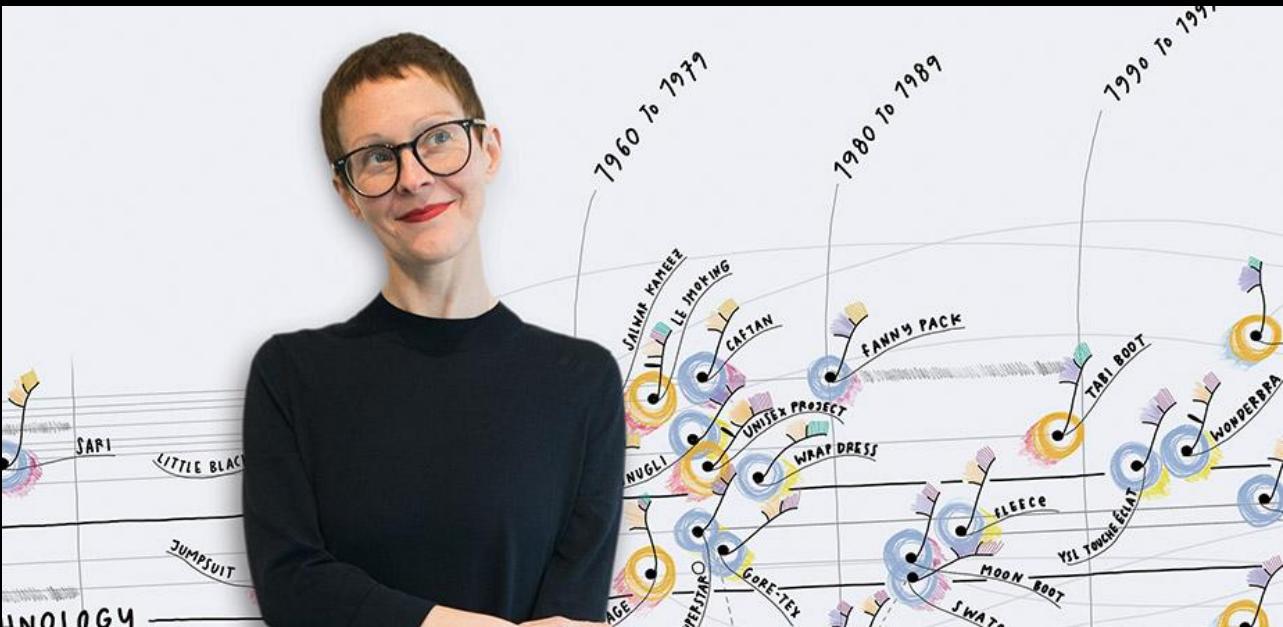


Giorgia Lopi/ Accurat

By Julia Grippo



ABOUT GIORGIA

Giorgia Lupi is an information designer whose work takes on a humanistic approach to data. She challenges the impersonality of data, designing engaging visual narratives that reconnect numbers to what they stand for: stories, people, ideas.

○ PERSONALLY,
I AM ATTRACTED BY:

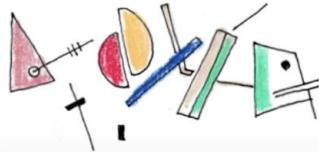
MUSICAL NOTATION



FOR:

- THE REPETITIVENESS,
- THE VISUAL DETAILS OF THE SYMBOLS,
- THE TIME BASED UNFOLDING OF THE SCORE / NARRATIVE,
- THE BLACK AND WHITE.

ABSTRACT ART



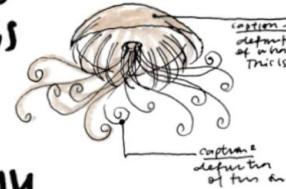
ARCHITECTURE DRAWINGS



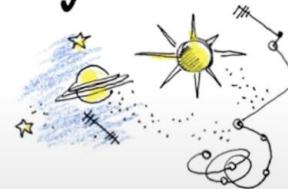
- THE AESTHETIC OF THE OVERALL COMPOSITION,
- THE PRIMARY COLORS AND SHAPES,
- THE ROTATION AND OVERLAPPING OF THE ELEMENTS.

- THE CLEAR LAYERS OF INFORMATION AND HIERARCHY OF THE LINES

SCIENTIFIC DRAWINGS



ASTRONOMY



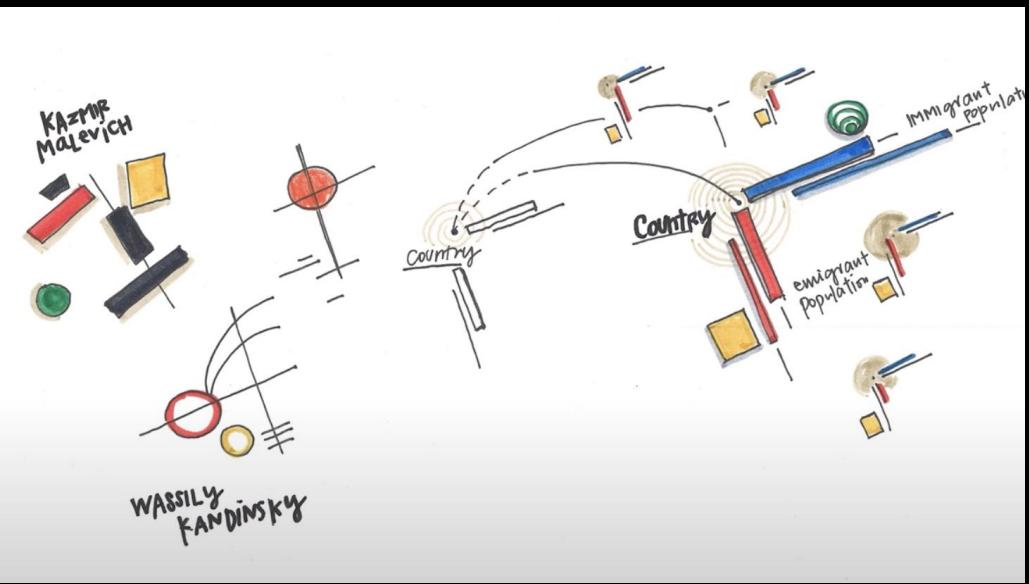
- THE ORGANICITY OF SHAPES
- WARM COLORS
- THE MIX OF TEXT (CAPTIONS) AND IMAGES

- THE THREE DIMENSIONALITY CREATED BY THE WHITE SPACE
- THE MULTI-DETAILED SYMBOLS
- CONNECTION LINES

○ HOW ABOUT you?

GIORGIA'S INSPIRATION

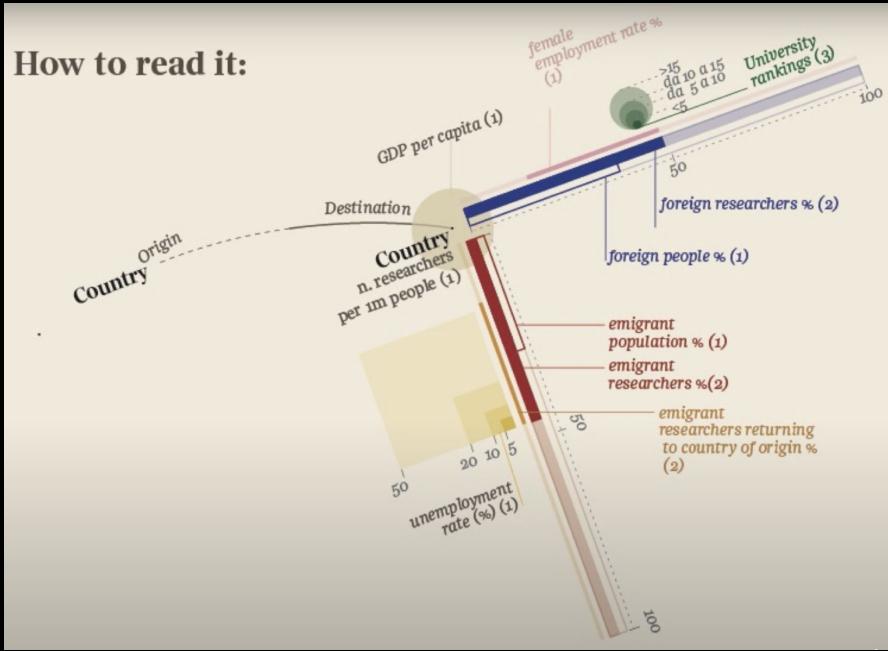
Giorgia Lupi finds inspiration from use of design principles as seen across various fields



GIORGIA'S INSPIRATION

Visualizing how inspiration from abstract art comes to a reality in her work

How to read it:



What is
Data Humanism?

DATA HUMANISM

SMALL ~~big~~ data

data bandwidth ~~quality~~

imperfect ~~infallible~~ data

subjective ~~impartial~~ data

inspiring ~~descriptive~~ data

SERENDIPITOUS ~~predictive~~ data

data conventions ~~possibilities~~

data to simplify complexity / ~~depict~~

data processing ~~draw~~ing



SPEND ~~save~~ time with

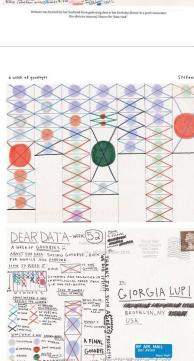
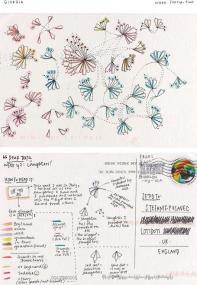
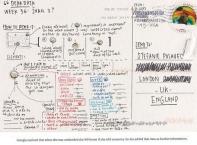
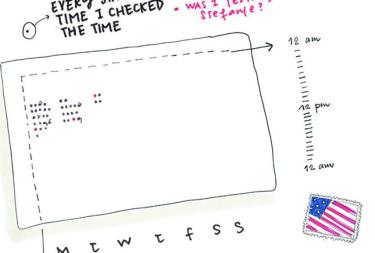
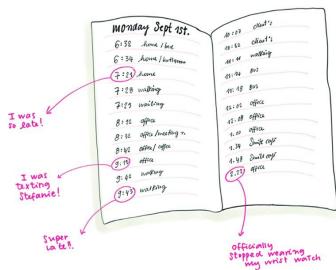
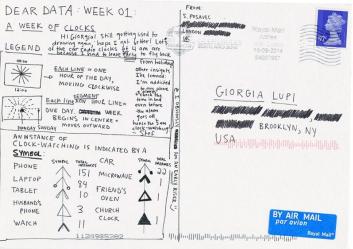
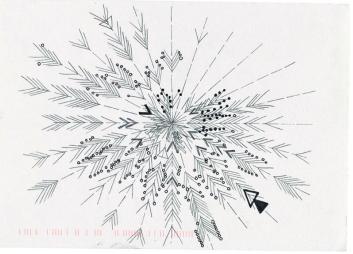
data is numbers ~~people~~

data will make us more efficient ~~human~~

“This is why we have to reclaim a personal approach to how data is captured, analyzed and displayed, proving that subjectivity and context play a big role in understanding even big events and social changes—especially when data is about people.”

- Giorgia Lupi Talking About Context

WEEK 01 : A WEEK OF CLOCKS.



DEAR DATA

Interested in humanely contextualizing data, Lupi conducted a yearlong personal project: hand-drawn data correspondence with information designer Stefanie Posavec.

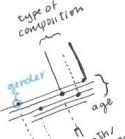
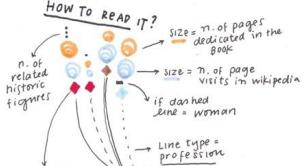
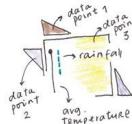
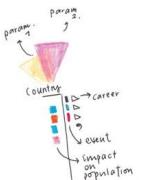
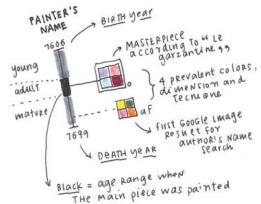


/ | | | / |

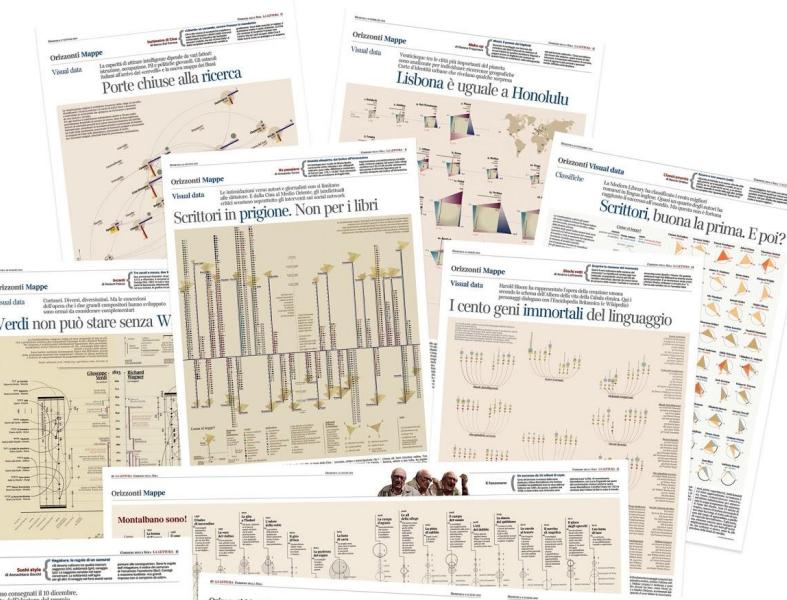
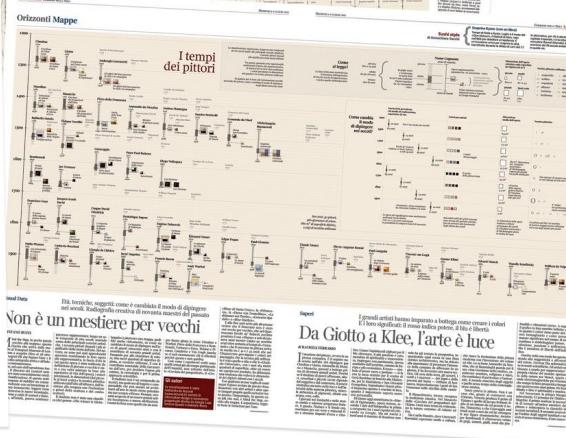
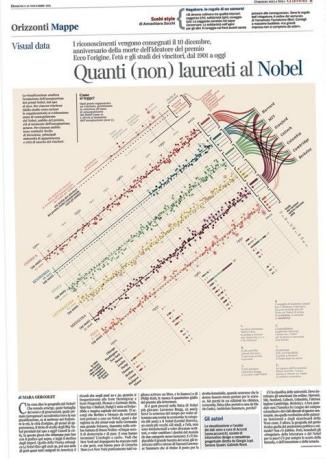
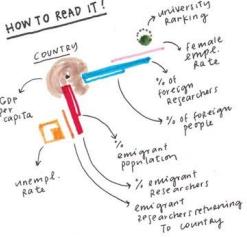
accurat

Accurat is a data-driven global research,
design and innovation firm

HOW TO READ IT?

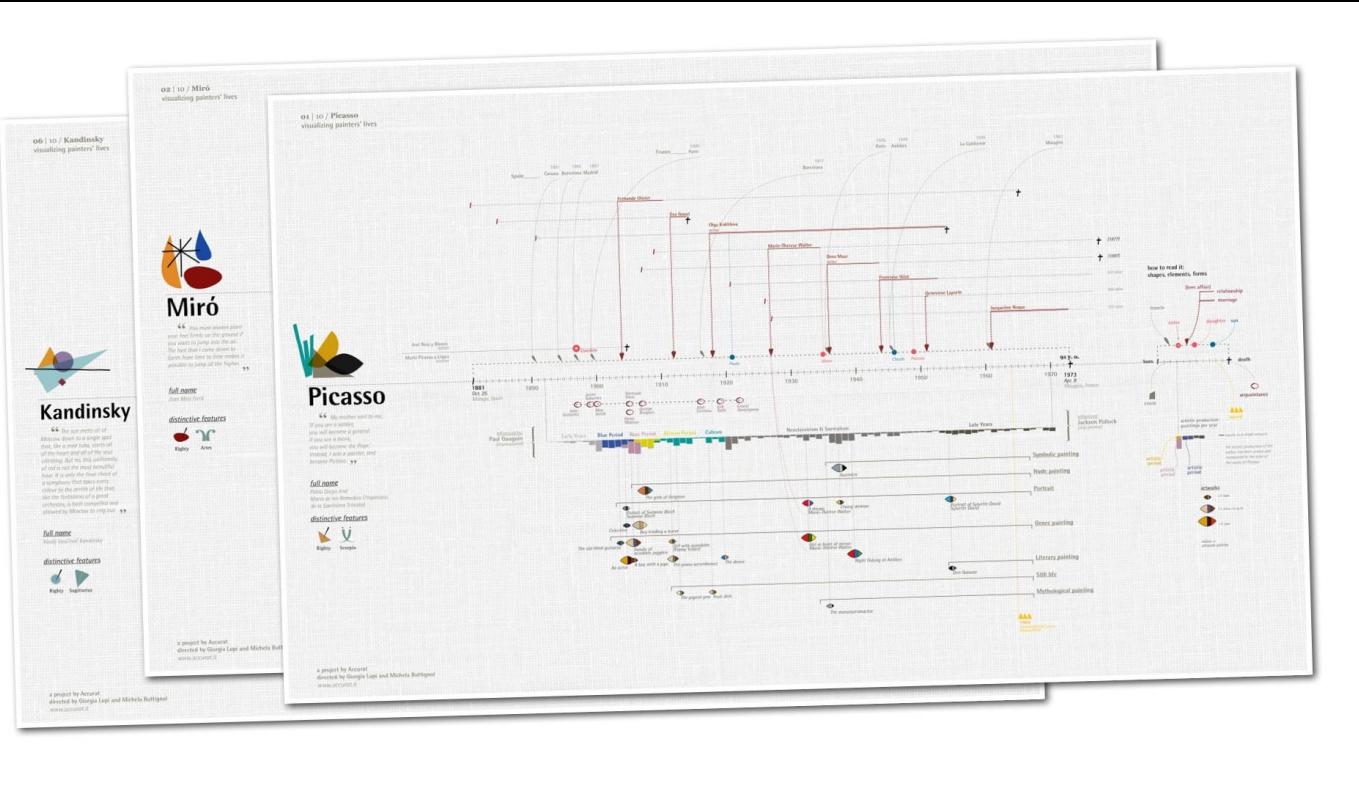


HOW TO READ IT?



EMBRACE COMPLEXITY

Complexity should be embraced and not feared in an effort to simplify things that are naturally rich and multifaceted



PURSUE BEAUTY

Beauty has the power to attract attention and motivate readers to dig deeper

Don't Rely on Standards

firmlly believe in applying core principles of data visualization into building custom solutions that are specifically designed for the task.

Data is Not Just Numbers

Numbers don't mean anything by themselves, they are always a placeholder for something else: people, places, ideas, values.

Multilayer Storytelling

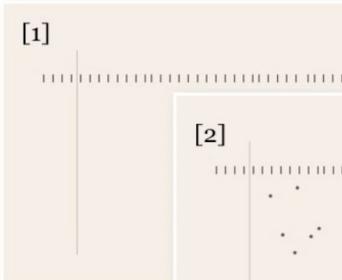
Layering and making hierarchies clear, for both
the data analysis and the visual composition

Layering, and making hierarchies clear

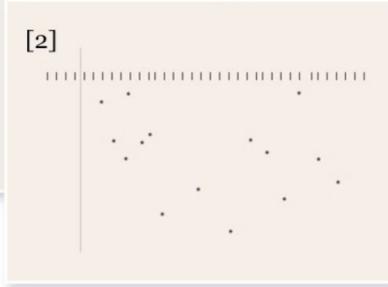
Composing the main **architecture** of the visualization

Positioning **singular elements** within the main framework.

[1]



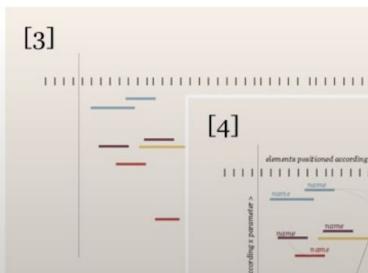
[2]



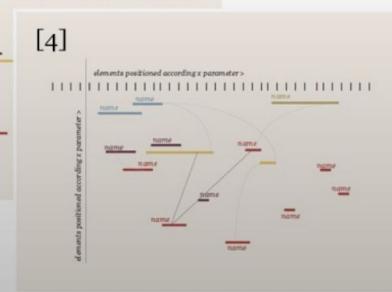
Constructing shaped elements of **dimensionality and form**

Elucidating **internal relationships** between elements. (if any)

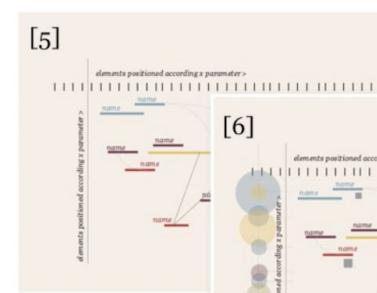
[3]



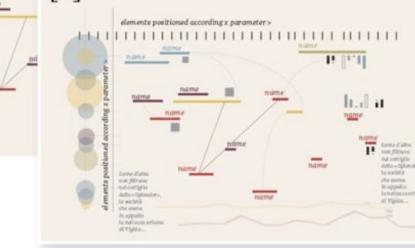
[4]



[5]



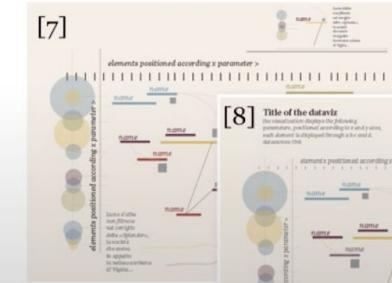
[6]



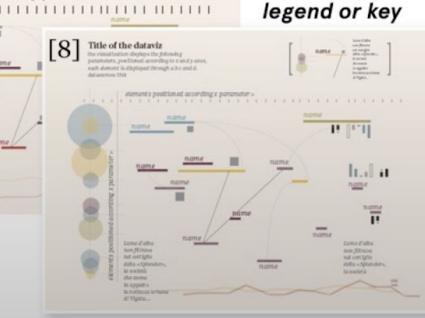
Labeling and Identifying elements

Supplementing the greater story through the addition of "**minor or tangential tales**" elements

[7]



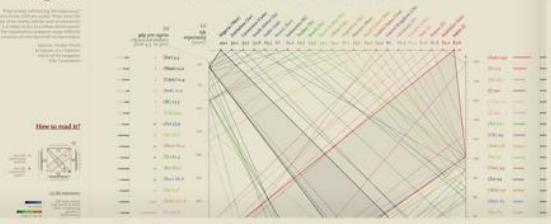
[8]



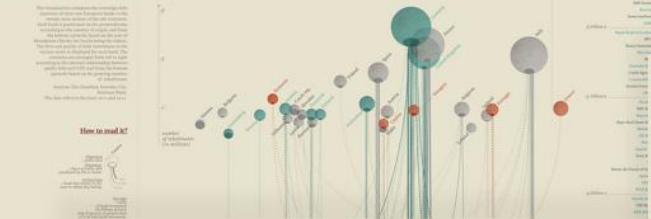
Providing small visual explanations such as a legend or key

Fine-tuning and stylizing of elements shapes, colors, and weights to make hierarchies pop out

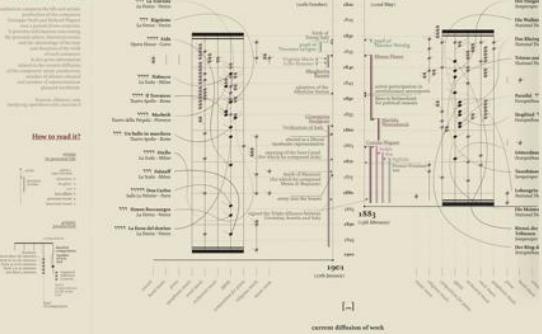
Further education = longer life



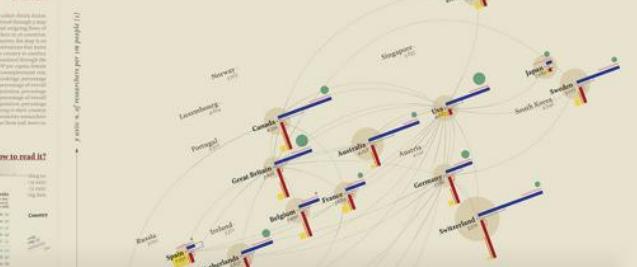
European banks and government debt



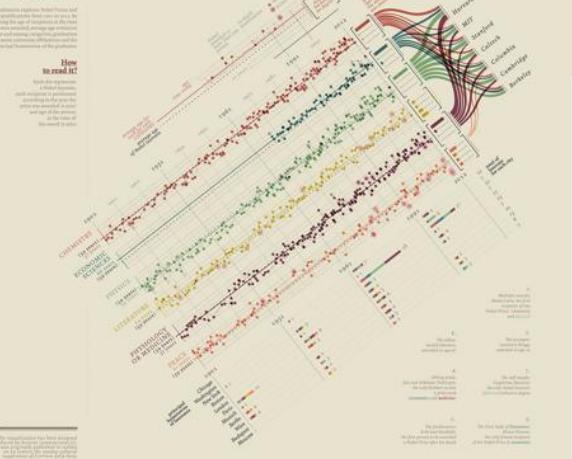
Verdi and Wagner



Brain drain



Nobels no degrees



LA LETTURA

Accurat designs data visualization spreads for this Italian newspaper with hopes of making data more accessible for all people

Nobels no degrees

This visualization explores Nobel Prizes and graduate qualifications from 1901 to 2012 by analyzing the age of recipients at the time prizes were awarded, average age evolution through time and among categories, graduation grades, main university affiliations and the principal hometowns of the graduates.

How to read it?

Each dot represents a Nobel laureate, each recipient is positioned according to the year the prize was awarded (x axis) and age of the person at the time of the award (y axis).





chemistry

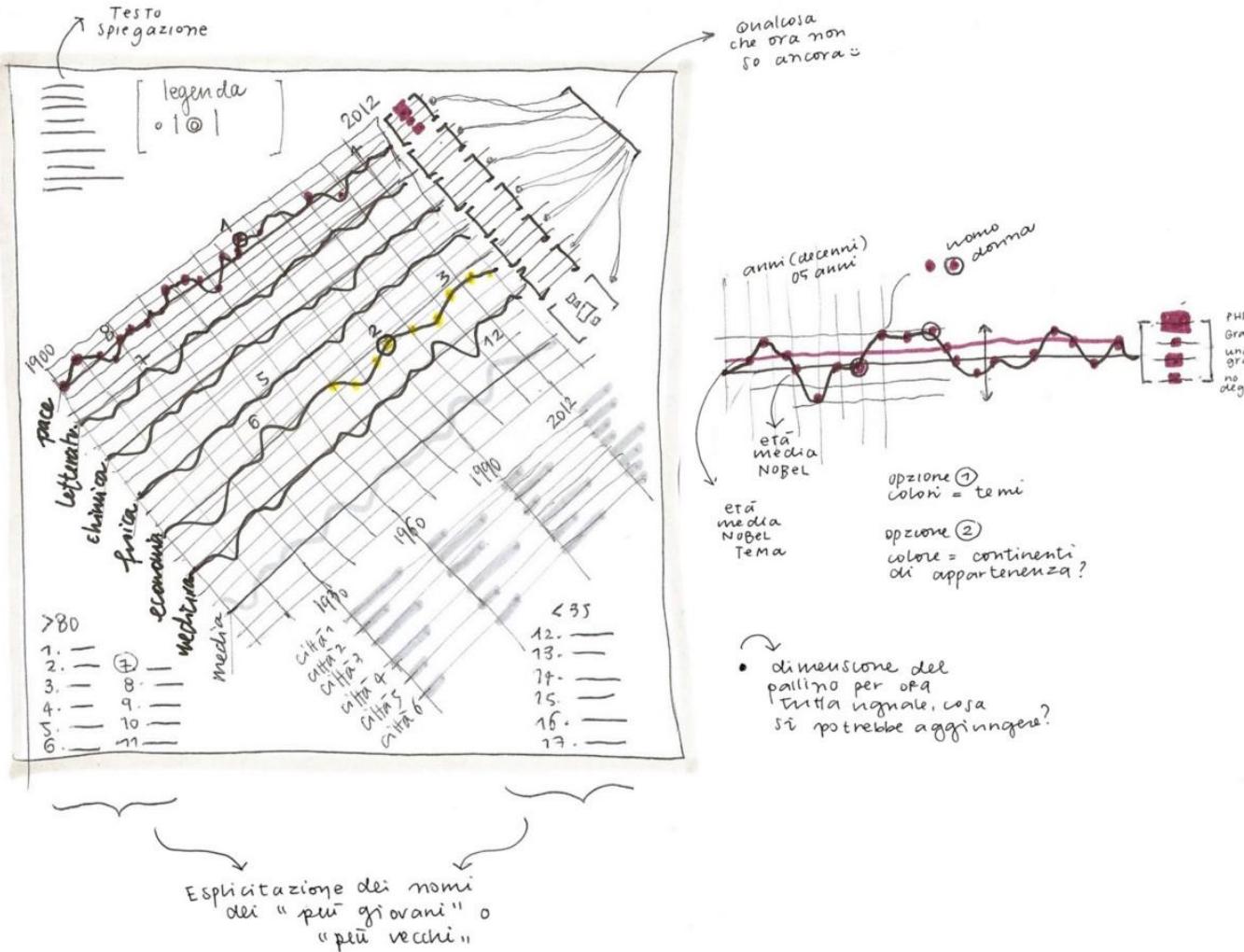
economic sciences

physics

literature

medicine

peace

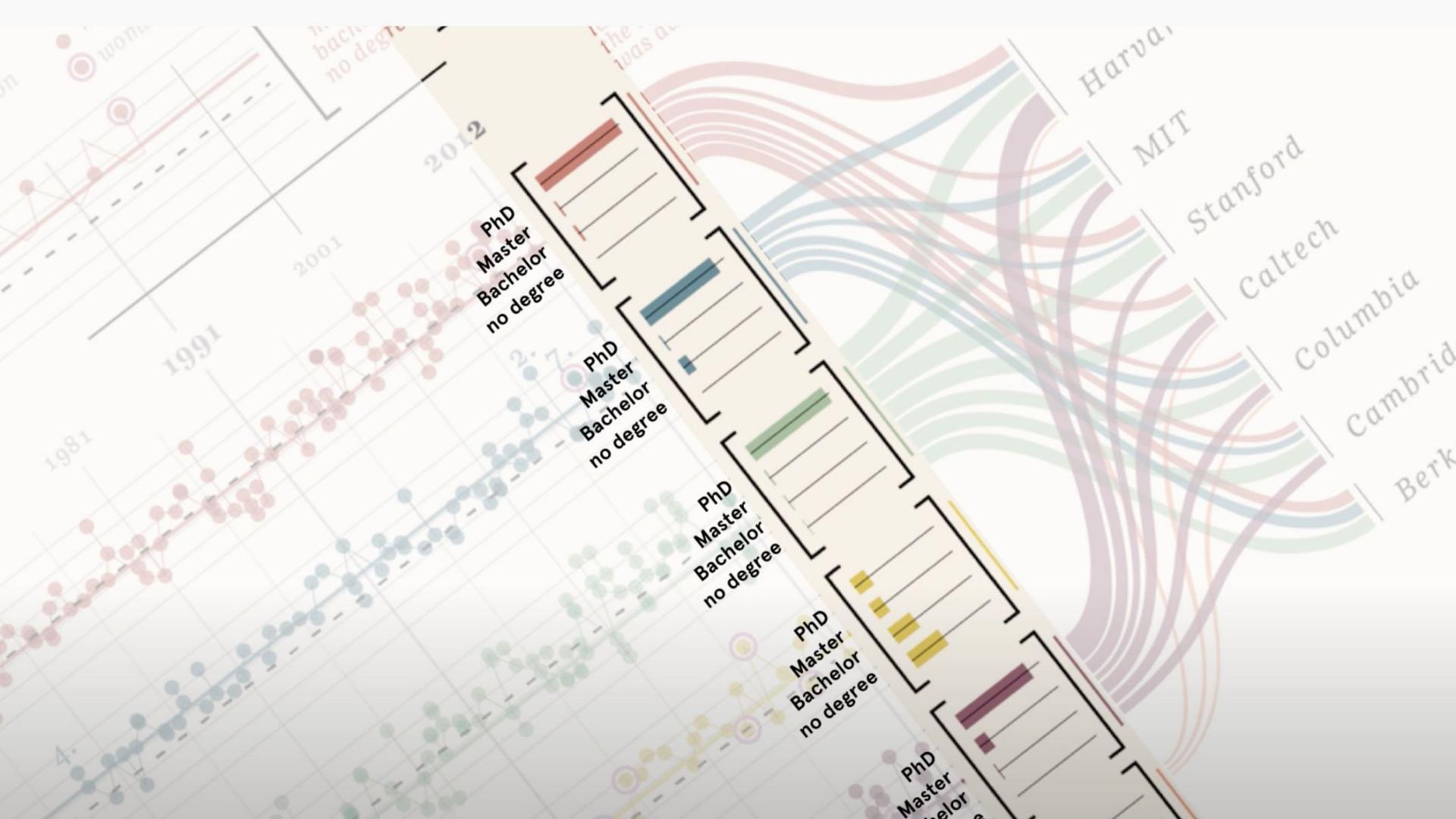


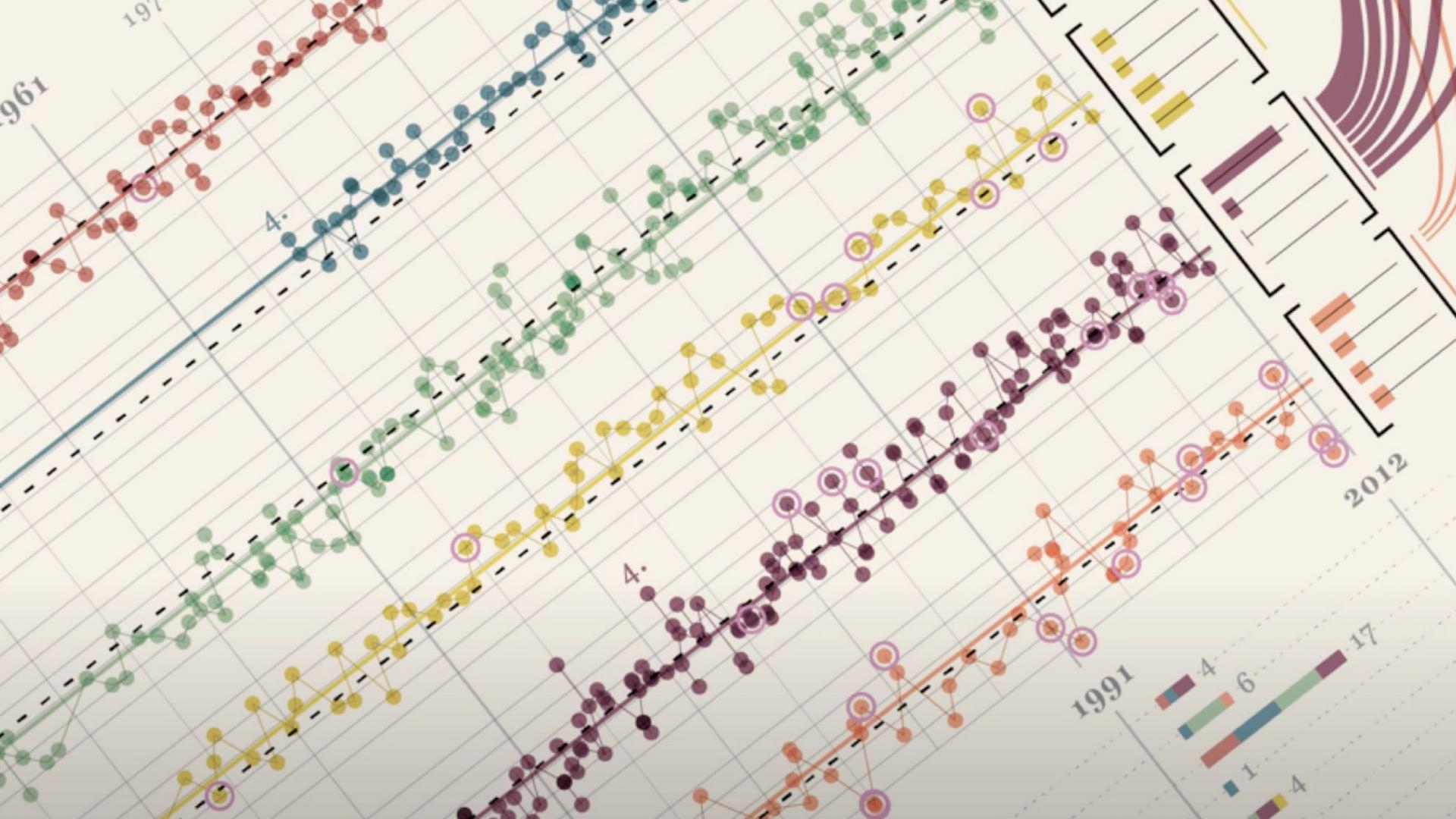
SKETCHING

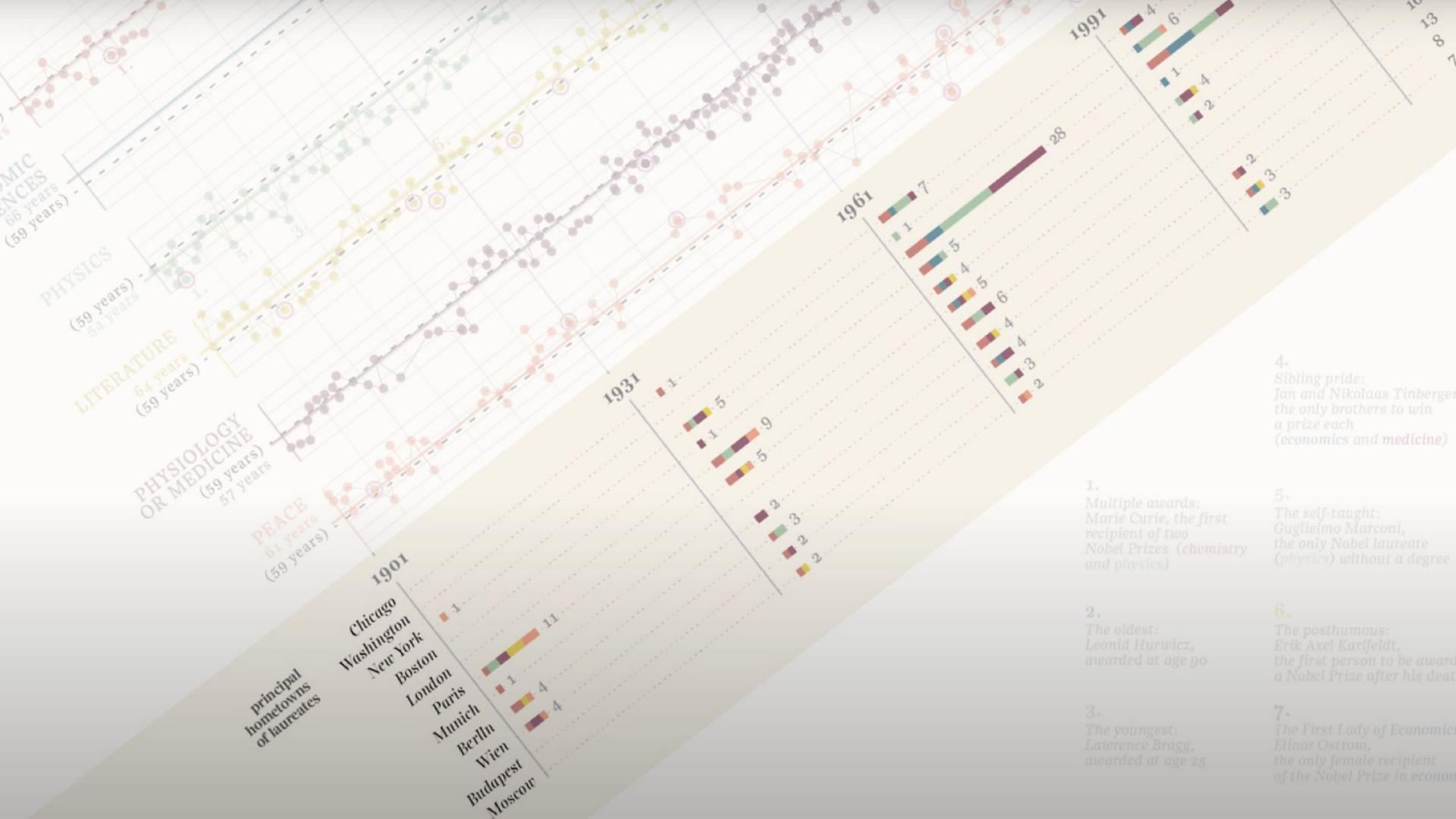
Sketching with data removes technology and introduces novel ways of thinking, and leads to customized designs that are unique for data problems that they work with.









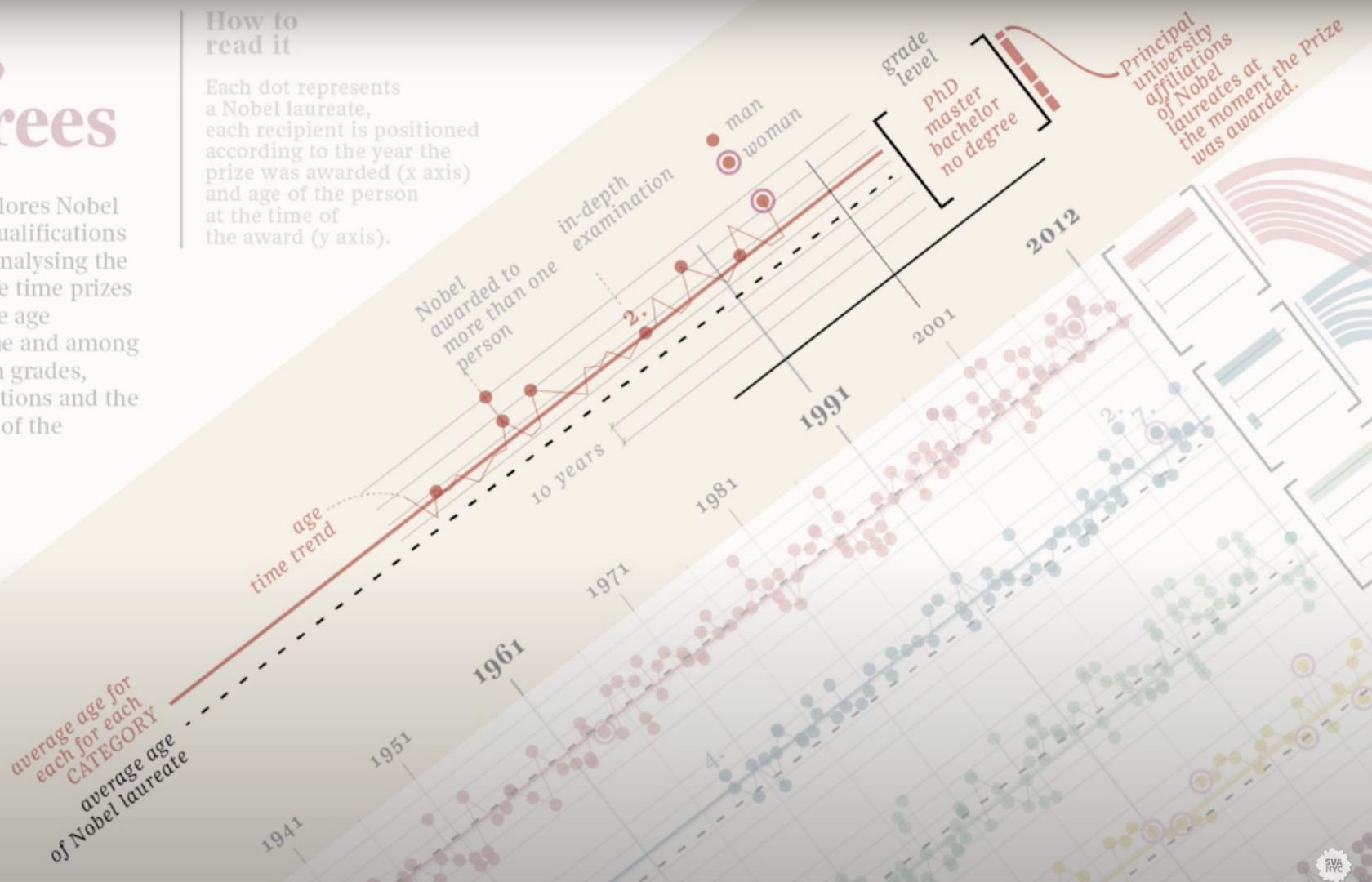


Nobels, no degrees

This visualization explores Nobel laureates and graduate qualifications from 1901 to 1912, by analysing the distribution of recipients at the time prizes were awarded, average age evolution through time and among categories, graduation grades, principal university affiliations and the principal hometowns of the laureates.

How to read it

Each dot represents a Nobel laureate, each recipient is positioned according to the year the prize was awarded (x axis) and age of the person at the time of the award (y axis).



Explore the FUTURE ↑



[X] [II] ABOUT THE PROJECT

USTREAM
LIVE

NOW — Orbit 1024, 9%

SEE MAP



NOT PART OF CURRENT ORBIT ⓘ

Giorgia Lupi — New York City

YOUR CONTROL ROOM

YOUR 'HELLO' HAS BEEN SENT TO SPACE!

HI

CURRENTLY PERFORMING AN EXPERIMENT ■

14.52°W / 67.06°S — Sam

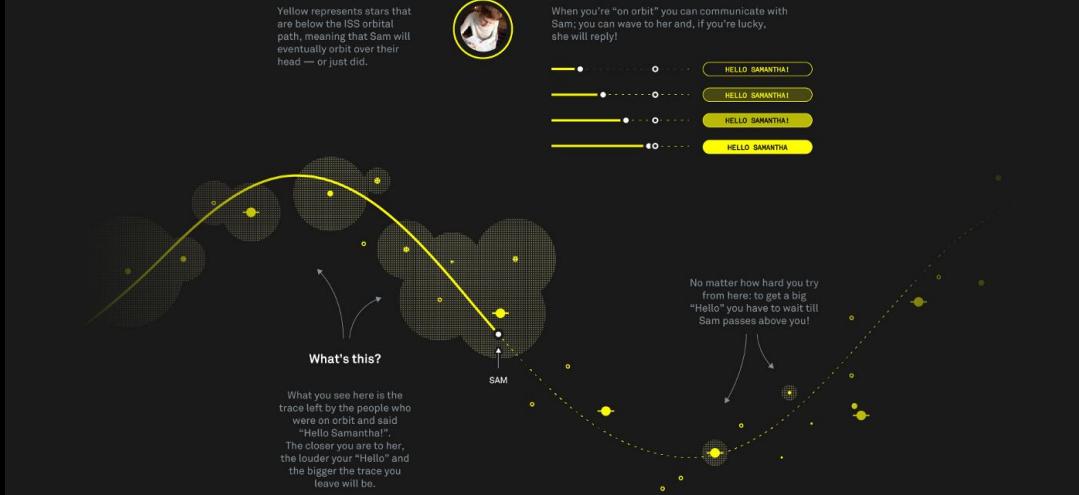
THE ISS

SAMANTHA'S STORY



Explore the PAST ↓

FRIENDS IN SPACE
Accurat designed this
data-driven social
experience for
astronaut, Samantha
Cristoforetti



A screenshot of the Hello Samantha! mobile application showing a shared orbit visualization. At the top left is a circular profile picture of a person, with the text "NOW ↑ You and Alex Piac". On the right are icons for "FOLLOW", "TWEET", and "SEE PROFILE". In the center, there are three panels showing orbital paths. The top panel shows a complex green orbital path with the text "Orbit #12239 — 16 Dec 2014" and "5 5". The middle panel shows a similar path with the text "Orbit #12239 — 16 Dec 2014" and "1 2 87%". The bottom panel shows another path with the text "Orbit #12239 — 16 Dec 2014" and "1 5". Below these panels is the text "There were other 226 people in space during this orbit." At the very bottom is the text "You both connected to badJokeCat!".



Is there humanity in scientific data?

Do you think it is possible to represent data in a humane way?

How do you see the future of data visualization becoming humane?

Thank You!

Questions

Resources

Giorgia Lupi's Website, giorgialupi.com

“How We Can Find Ourselves in Data,” TEDNYC - Ted Talk by Lupi

“Giorgia Lupi - Information Designer” SVA Presentation Given by Lupi

“Data Humanism, the Revolution will be Visualized,” Giorgia Lupi

Accurat Website, accurat.it

“Learning to See: Visual Inspirations and Data Visualization,” Giorgia Lupi

“The Architecture of a Data Visualization,” Giorgia Lupi