

# Giorgia Lupi

< A dialogue between four hands >

# DATA HUMANISM

SMALL big data  
data bandwidth ~~QUALITY~~

imperfect infallible data  
SUBJECTIVE impartial data

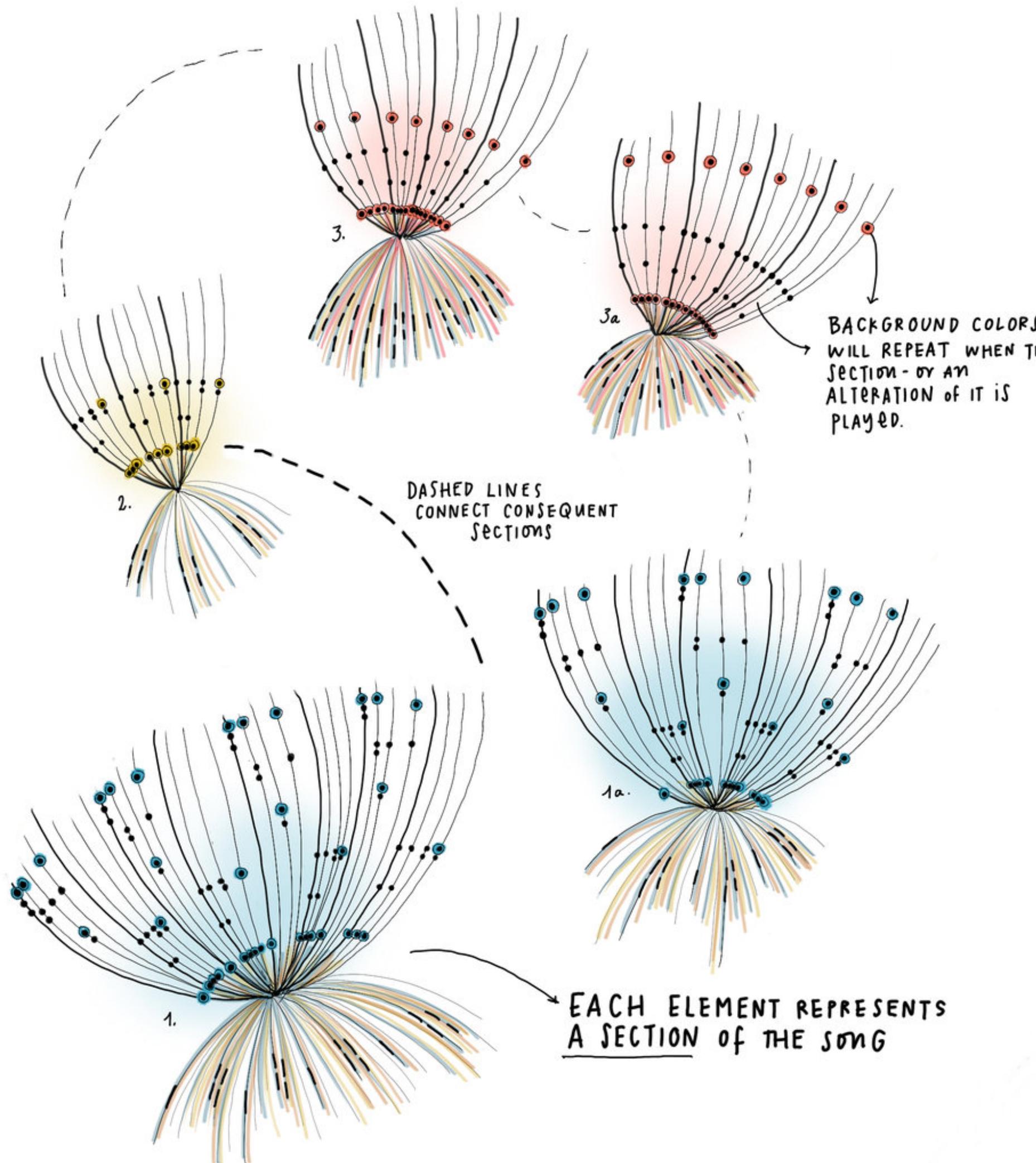
INSPIRING descriptive data

SERENDIPITOUS predictive data  
data conventions ~~POSSIBILITIES~~  
data to simplify complexity / DEPICT  
data processing ~~DRAWING~~

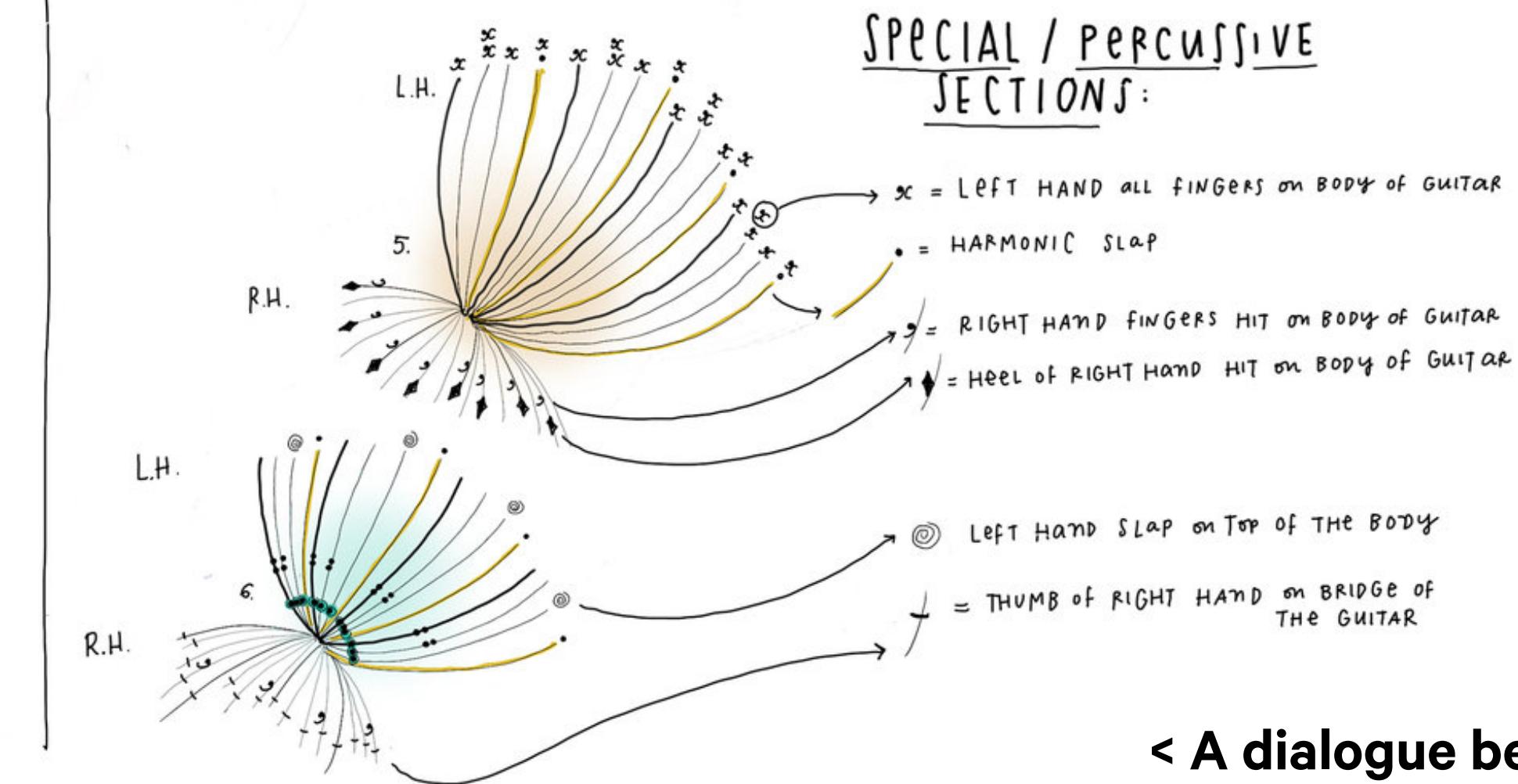
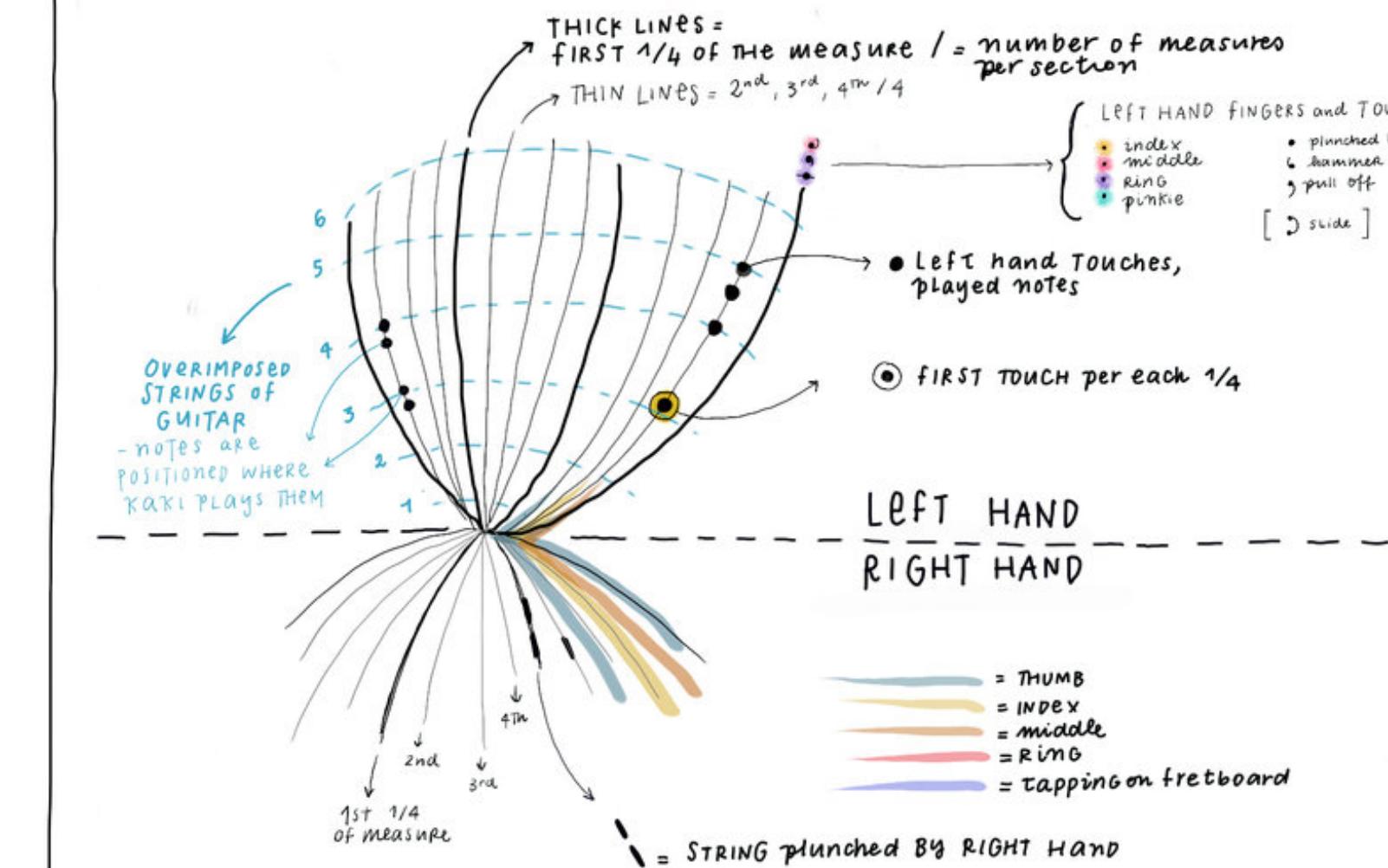
SPEND save time with  
data driven design  
data is numbers ~~PEOPLE~~  
data will make us more efficient ~~HUMAN.~~

# LEGEND:

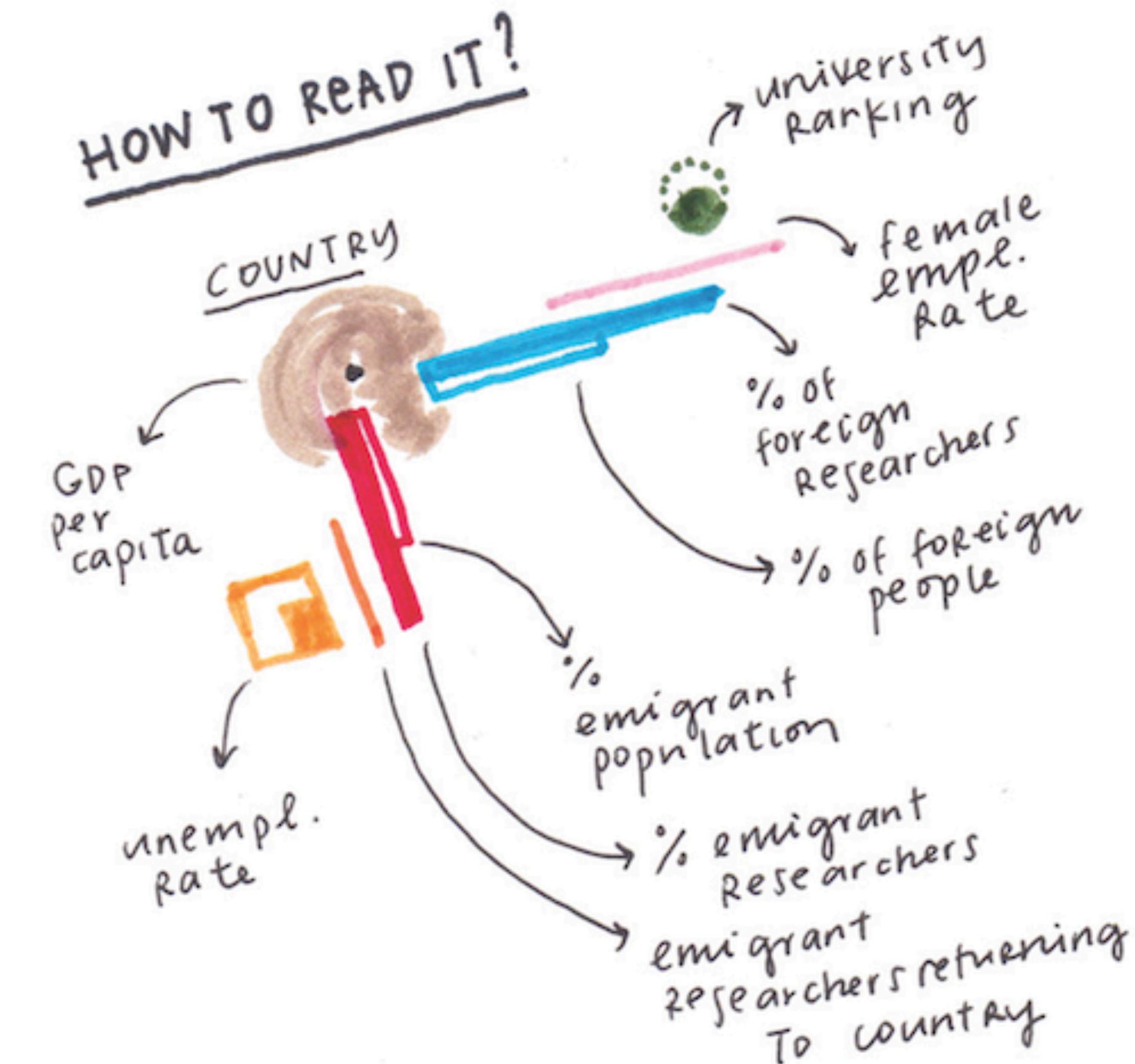
## ① OVERALL STRUCTURE:

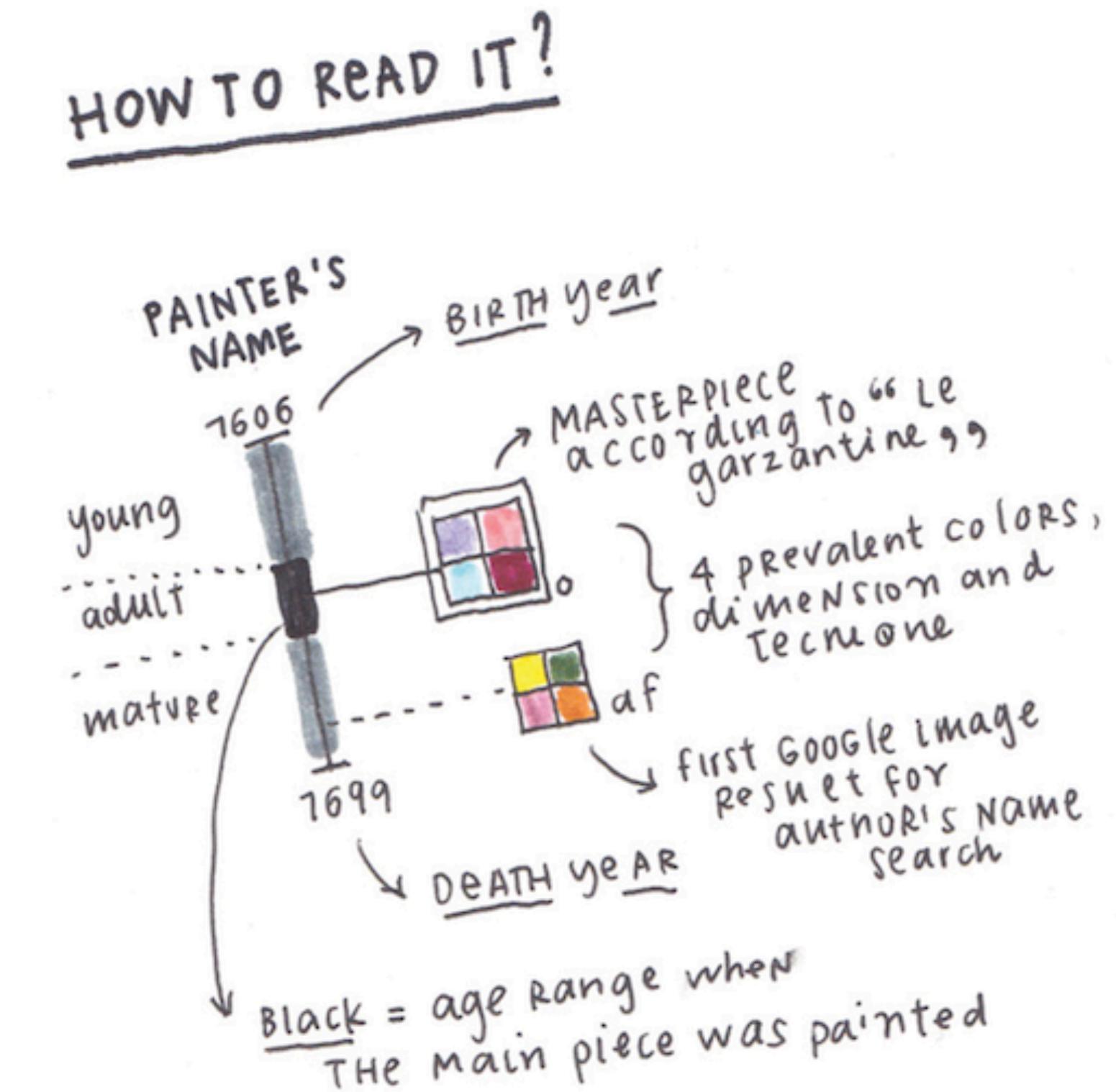
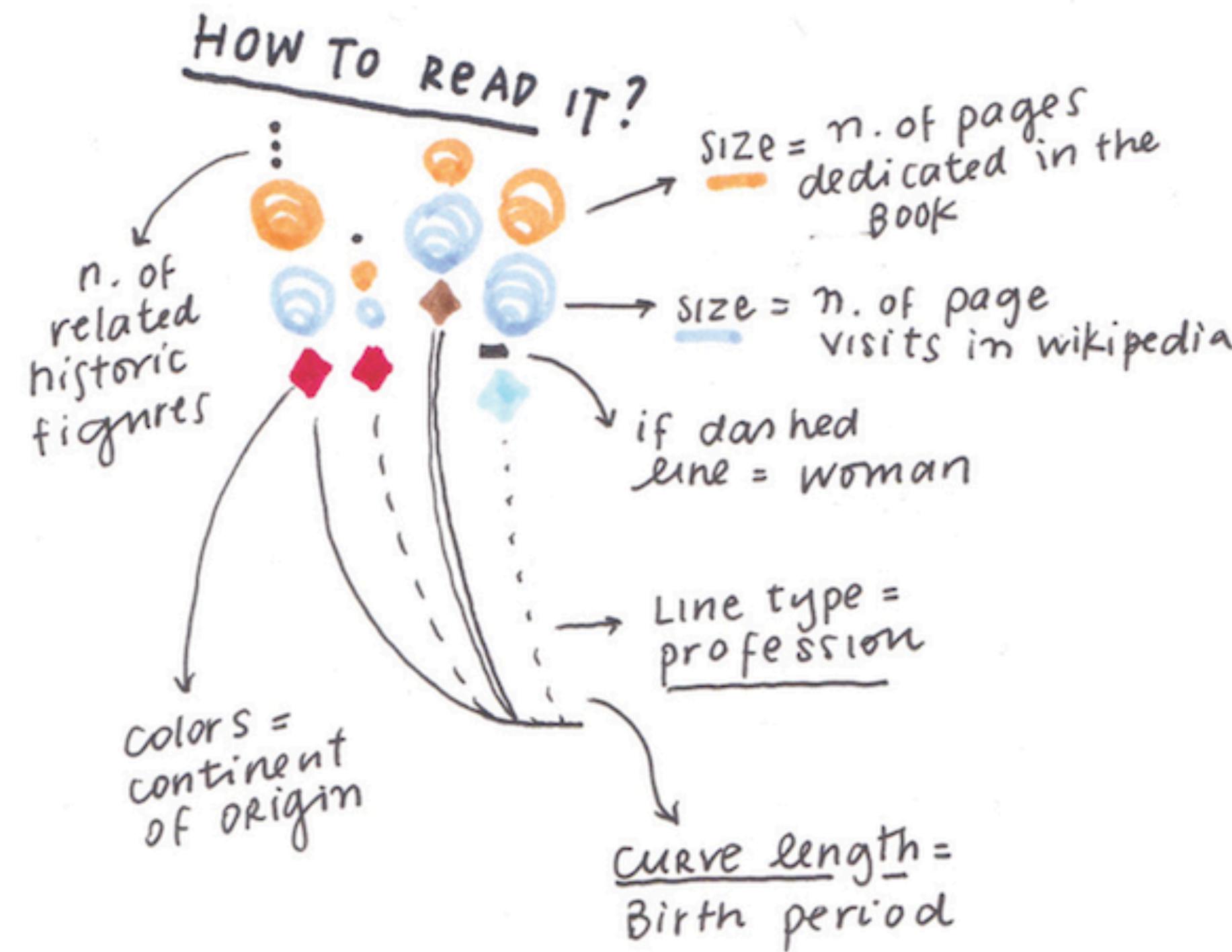


## ② SINGLE ELEMENTS:



< A dialogue between four hands >





“ Giorgia is an **illustrator** who thinks like a **computer**, who works with machine-like precision but with the heart of **a human being**. She’s living in the modern world, using what her hands do best and making this wonderful synthesis, a precise blend.”

---John Maeda



**1981** Born In Italy

**2006**

**2011**

**2014**

**1981**

**2006** Graduated from FAF

**2011**

**2014**

**1981**

**2006**

**2011** Co-founded Accurat

**2014**

1981

2006

2011

2014 Began the Dear Data

**2016** Data Humanism

**2017**

**2019**

2016

2017 Add to MoMa Collection

2019

2016

2017

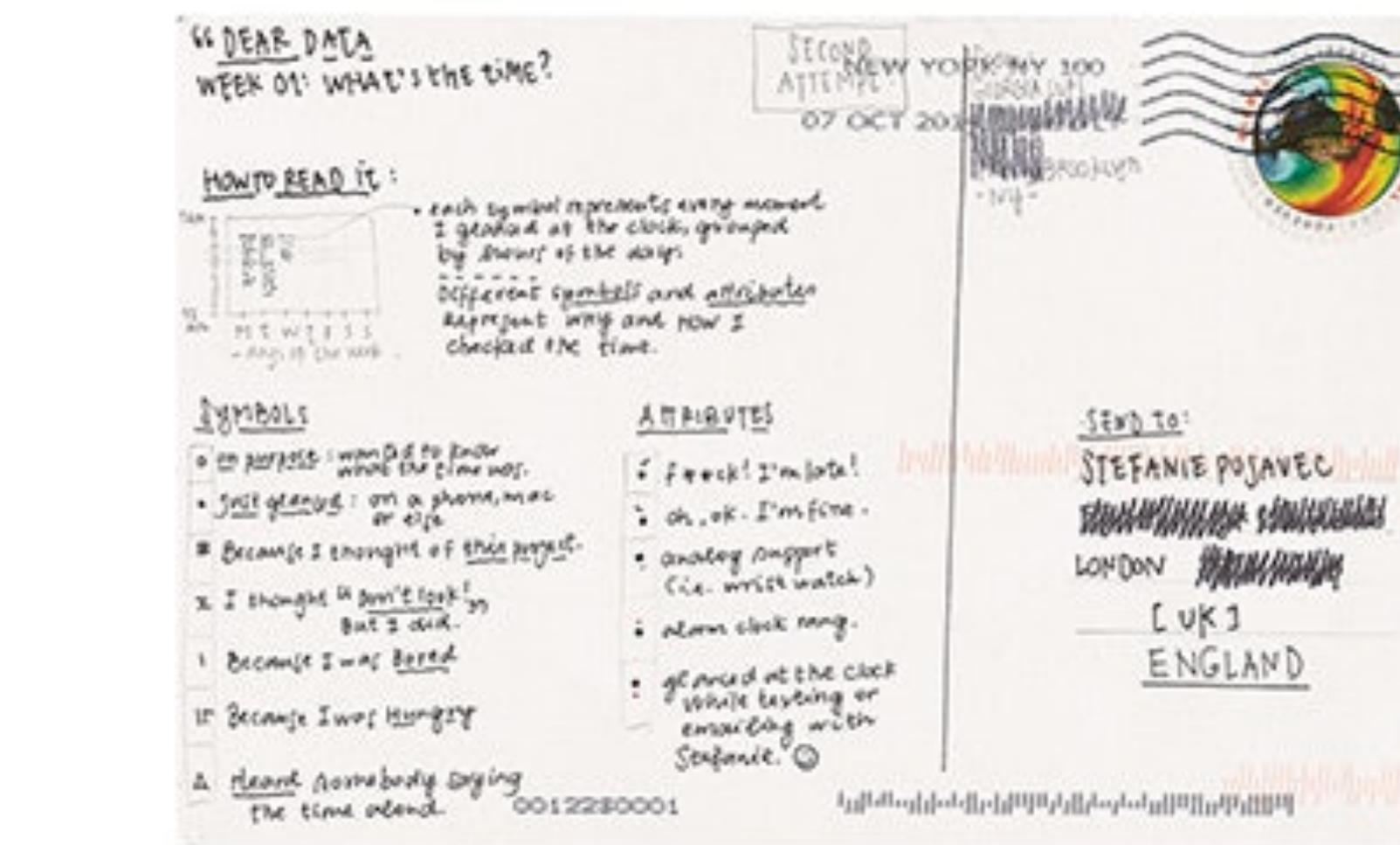
2019 Pentagram Partner

# Her Works

# 'Dear Data'

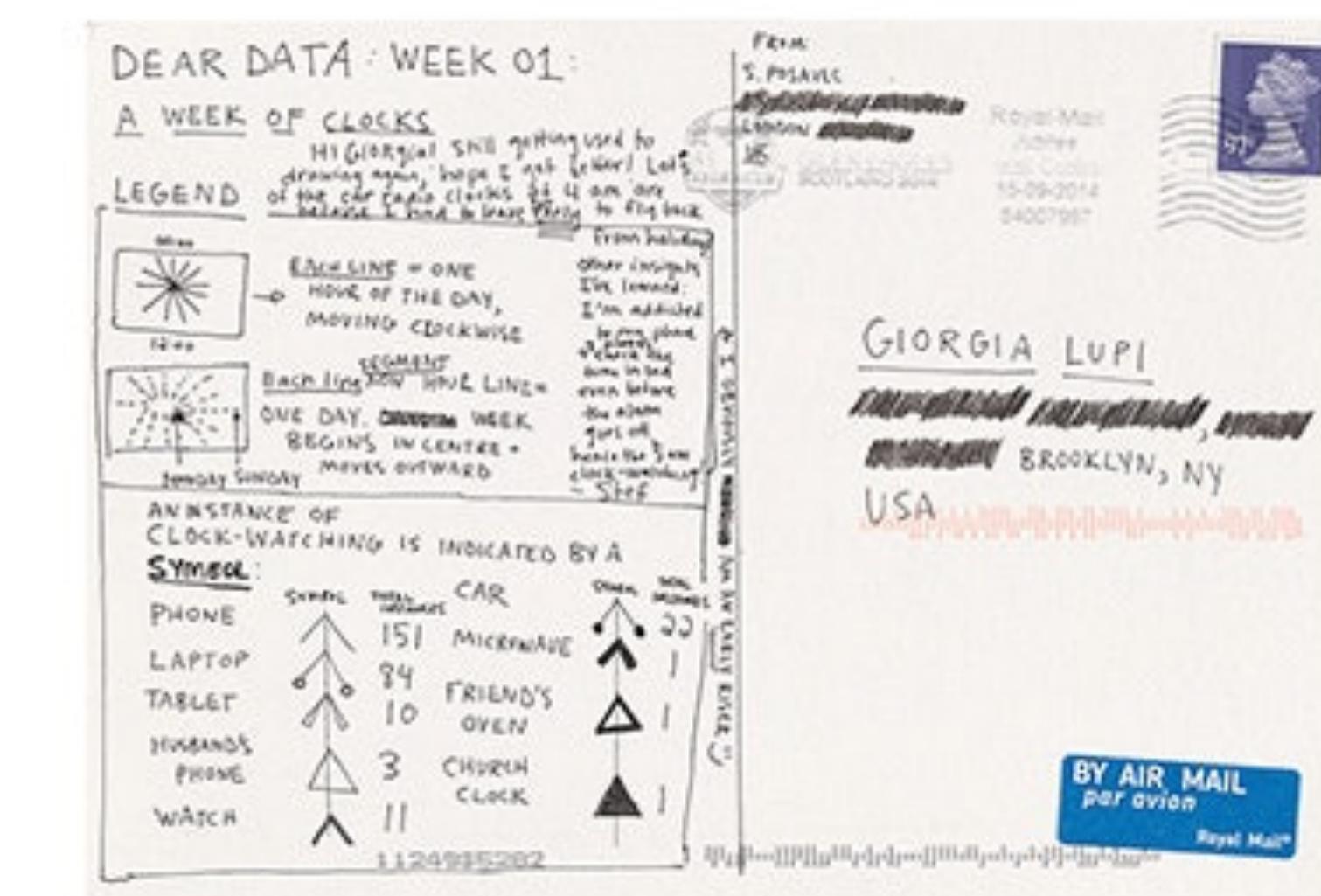
## **Postcard / Book**

In a yearlong project and accompanying book, two information designers document their lives in hand-drawn data shared on weekly postcards.



Drawing her first postcard, Giorgia had an idea for her whole collection: from now on every time she tracks something related to Stefanie, or to Dnar Data, she uses a special pen to represent.

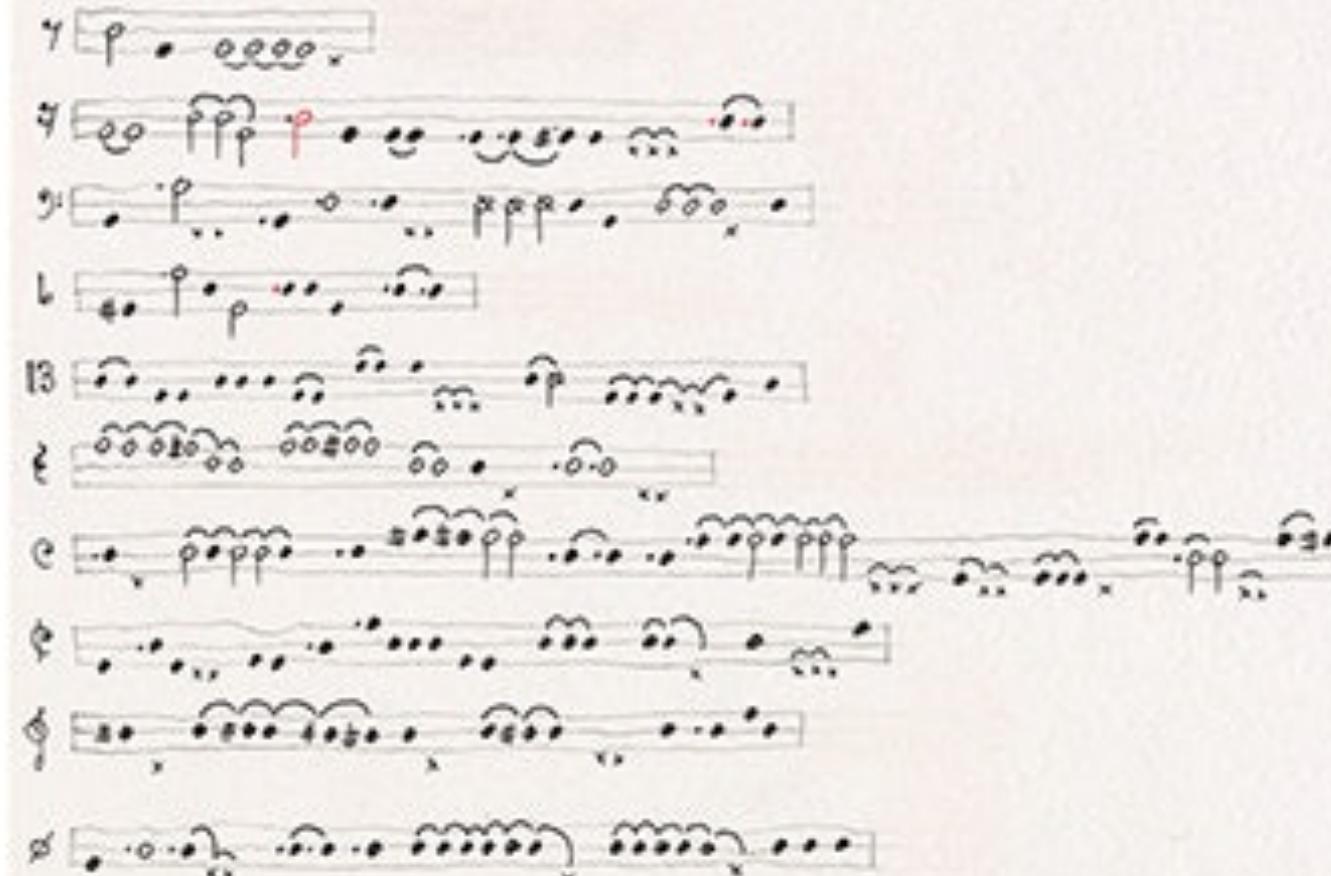
\* pink ink pens



This week Giorgia and Stefanie tried gathering data in small notebooks (tedious), but soon switched to making notes on their phones (much easier). Stefanie's favourite clock to capture: a bell tolling the time in a town in Devon.

GIORGIA

WEEK SEVEN



### DEAR DATA

#### WEEK 07: MUSICAL COMPLAINTS

HOW TO READ IT: Each "note" is a single complaint I said. (i.e. every single time I expressed dissatisfaction or annoyance about a situation or particular thing)

Each "score" represents a topology of things I complained about, distinguishing complaints on chronological order.

- **ME AS A PERSON** (e.g. "I am... really obnoxious")
- **NOT AT WORK** (e.g. "I should've done ...")
- **WORK** (e.g. "this project isn't going well!")
- **HOME** (e.g. "the computer is not working")
- **EXERCISE/ BODY** (e.g. "and my waist is so showy!")
- **COMING UP** (e.g. "he's really a jerk...")
- **CHEM** (e.g. "I am freezing! The A.C. is crazy!")
- **HOW I FEEL** (e.g. "...so tired...", "so bored!")
- **RELATIONSHIP** (e.g. "you're ending... your heart...")
- **ONLINE** (e.g. "I spent three hours trying for...")

POSITIONS OF NOTES:

- 1 → Acute need to complain
- 2 → Average → "
- 3 → Normal → "
- 4 → ... → Mixed Complaints: Thought of complaining but didn't do!

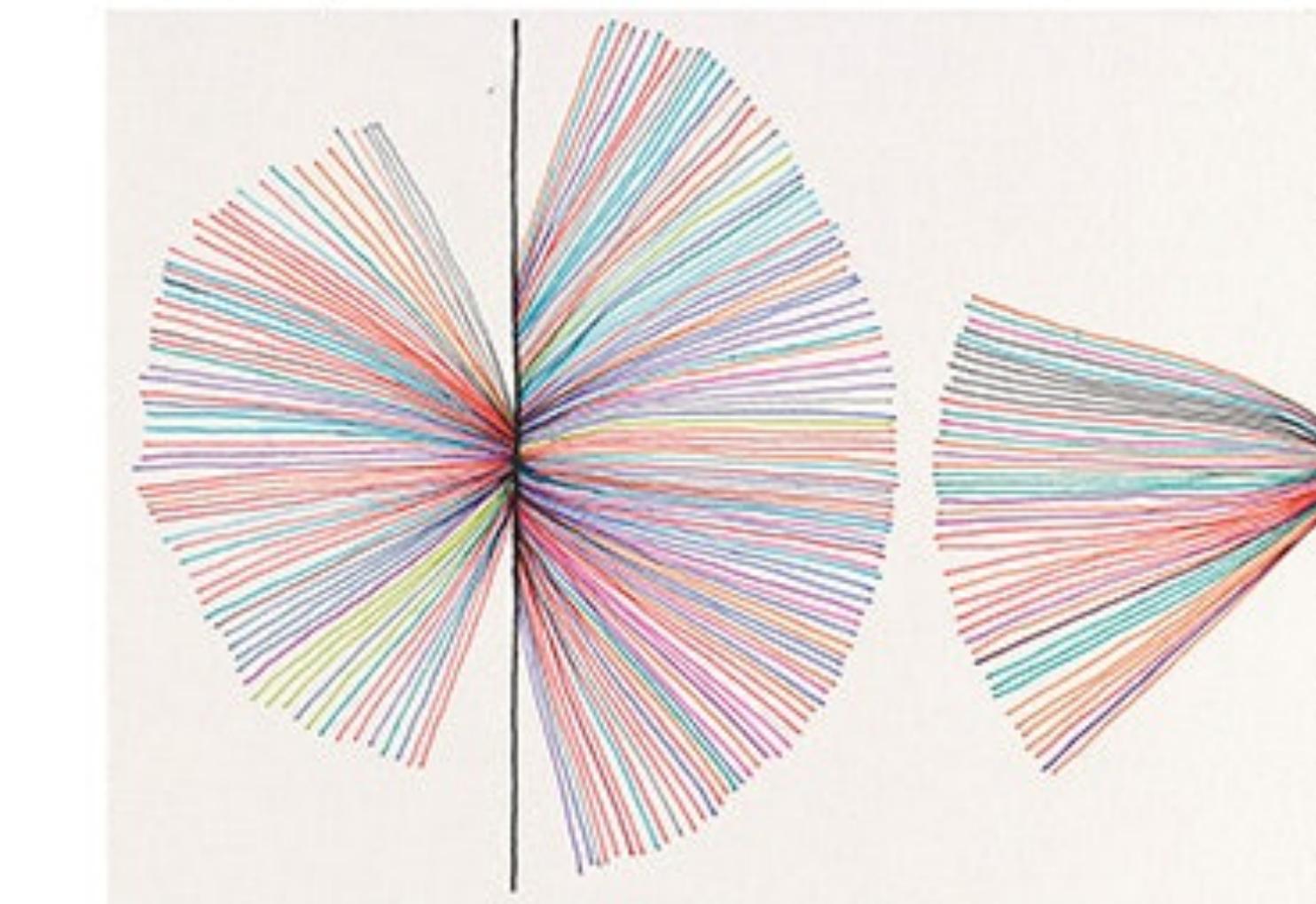
What better visual reference than a musical score to show the repetitiveness of Giorgia's protests and the "level" of complaint: whether they are justified or totally out of place.

FROM:  
GIORGIA LUPI  
THE DEPARTMENT  
NUMBER BROOKLYN  
NY - USA

SEND TO:  
STEFANIE POSAVEC  
THE DEPARTMENT  
LONDON BRITAIN  
- UK -  
ENGLAND

DELIVERED BY  
HAND (SPECIAL NYC  
DELIVERY!)

6 week of complaints



Stefanie

### DEAR DATA - WEEK 07

#### A WEEK OF COMPLAINTS\*

AND GENERAL GRUMPINESS

HOW TO READ IT: (I THREW DOWN MY 4 PENS WHEN I FINISHED  
COMPLAINT #9) WHICH MEANS WHICH

ALL COMPLAINTS IN CHRONOLOGICAL ORDER  
EXCEPT "COMPLAINT #9"

→ DRAINED UP THE BOTTLE  
BY THAT TIME I HAD ALREADY SPEND 15 HOURS  
ON THIS... AHHH!

COMPLAINT #9 IS THE PART  
OF THE DRAWING IS NOT  
SYMMETRICAL WHICH  
EXPLAINS ME?

TYPE OF COMPLAINT:

WEATHER	HEALTH
HUSBAND	HUNGER
ANIMALS	MYSELF
FAMILY	TECHNOLOGY/ MEDIA
SOCIETY	MONEY
THE WORLD TODAY	DIVORCE
ACQUAINTANCES/ OBJECTS	INFLUENCE
STRANGERS	TRANSPORT
MY APPEARANCE	
FRIENDS	
WORK	

\*THREE PEN (INKLESS)  
WE LEARNED \* SHOGO  
MY DREAMS \* CAT ALL OVER MY RANGE!

\*\* ADD A BUNCH OF CHOCOLATES ABOUT WHOM I TALKED. OR THIS DRAWING! (IMPORTANT PC)

FROM:  
S POSAVEC  
THE DEPARTMENT  
LONDON BRITAIN  
UK

TO:  
GIORGIA LUPI  
THE DEPARTMENT  
BROOKLYN, NY  
USA

DELIVERED BY  
HAND (SPECIAL NYC  
DELIVERY!)

Note the hand-drawn stamp: these postcards were delivered in person in New York!

GIOORGIA

WEEK TWENTY-FOUR



"DEAR DATA  
WEEK 24: DOORS' PATTERNS

HOW TO READ IT:

Every little rectangle represents a door I opened and/or passed through, in chronological order, to enter a space. (P.S. closet doors and furniture doors are not included)

MAIN LOCATION:

my building

WIFI (NEW YORK)

SHIP/Boat

CAFÉ/PUB

RESTAURANT

CREDIT PLACE

TRANSPORTATION

other external doors (17 total)  
here (11)

internal doors - entering the building

external exits (2)

main space across (e.g. my apt.)

when external doors

Corridors to rooms

spa entrance

external sliding doors

elevator automatic doors

train doors

TIME OF DAY:

11:00 AM

12:00 PM

1:00 PM

2:00 PM

3:00 PM

4:00 PM

5:00 PM

6:00 PM

7:00 PM

8:00 PM

ATTRIBUTES:

so heavy

big glass doors

openable

openable from outside

sliding

glass

metal

wood

plastic

etc.

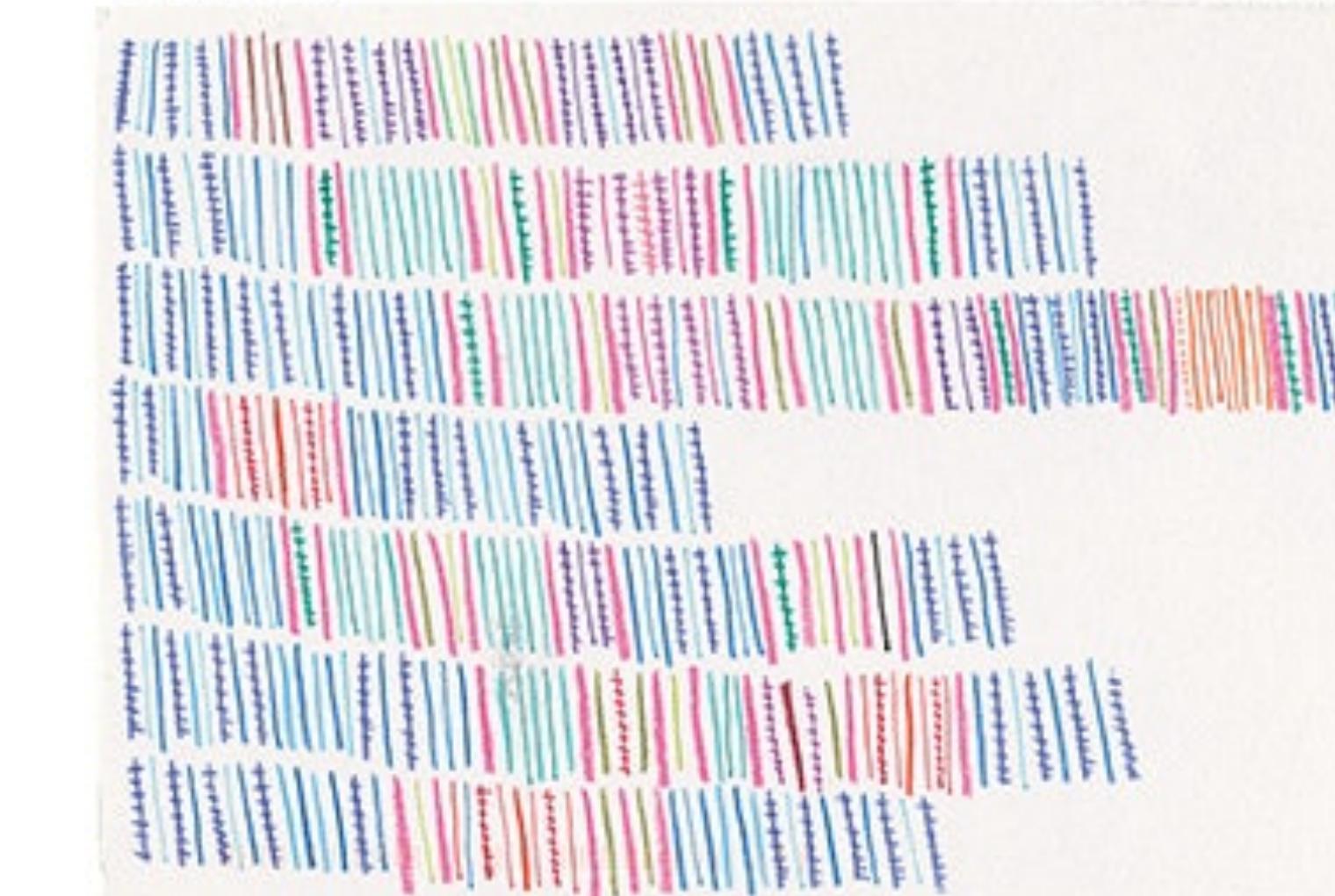
STEFANIE POSAVEC  
LONDON  
- UK -  
ENGLAND



After spending more than six hours drawing this hyper-detailed card, Giorgia teased Stefanie as she posted it:  
"You need to know that if this one doesn't get to you I won't redraw it. You'll see what I mean."

A WEEK OF dooRS

Stefanie



DEAR DATA

A WEEK OF DOORS/SPACES

ABOUT THE DATA: I GATHERED DATA ON ALL OF THE SPACES I PASSED THROUGH IN THE WEEK, BOTH INTERNAL + EXTERNAL. A SPACE IS DEFINED BY WHETHER I HAD TO PASS THROUGH A DOOR OR NOT.

HOW TO READ IT:

ENTRANCE/EXTRA CRAFT

EACH SPACE IS EXPRESSED BY A: OR A (COMMA-Separated Lines) CRAFTS THAT CARRY NO IMPRESSION; MAINLY PLATE, DIFFERENTIATION BETWEEN SIMILAR THINGS? THIS CHART CAN BE USED AS A GUIDE TO HAVE A REASONABLE READING

THE TYPES OF SPACES I PASSED THROUGH INCLUDE: BATHROOM, BEDROOM, KITCHEN, LIVING ROOM, OFFICE, STUDIO, STAIRCASE, CLOSET, ETC.

IN THE HOME/PERSONAL SPACE: BATHROOM (11%), BEDROOM (11%), KITCHEN (11%), LIVING ROOM (11%), OFFICE (11%), STUDIO (11%), STAIRCASE (11%), CLOSET (11%)

WORKPLACE: OFFICE (11%), STUDIO (11%), STAIRCASE (11%), CLOSET (11%), KITCHEN (11%), LIVING ROOM (11%)

CULTURAL SPACES: GYM (11%), LIBRARY (11%), MUSEUM (11%), GALLERIES (11%), THEATRE (11%), CLOSET (11%)

STUDIOS: STUDIO (11%), STAIRCASE (11%), CLOSET (11%), KITCHEN (11%), LIVING ROOM (11%)

OUTSIDE: IN THE STREET (11%), PARK (11%), GARDEN (11%), CLOSET (11%), KITCHEN (11%), LIVING ROOM (11%)

FROM:

S. POSAVEC

London

UK

2015

02/05/2015

03:00:00:00

Royal Mail

2015

02/05/2015

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

03:00:00:00

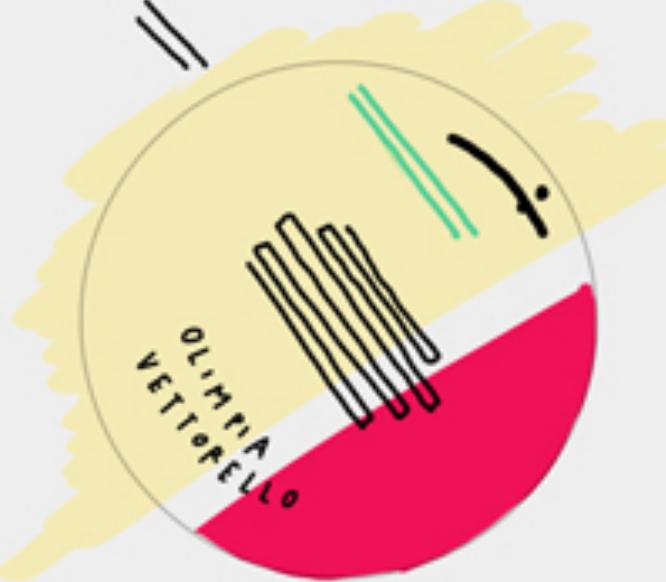
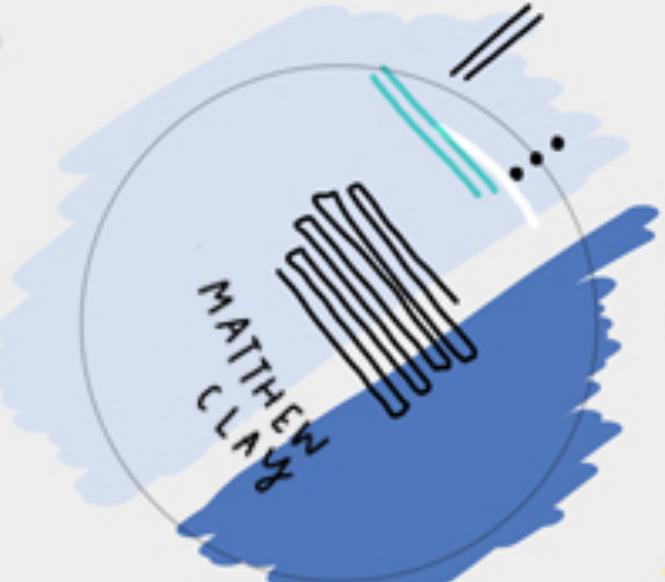
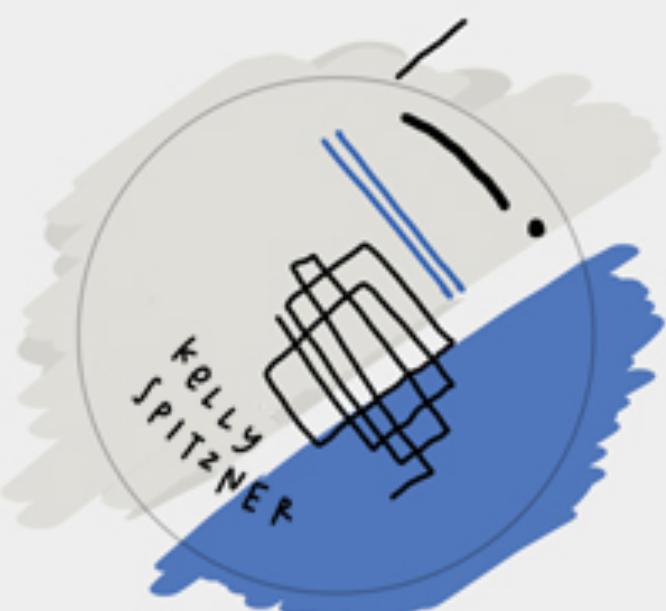
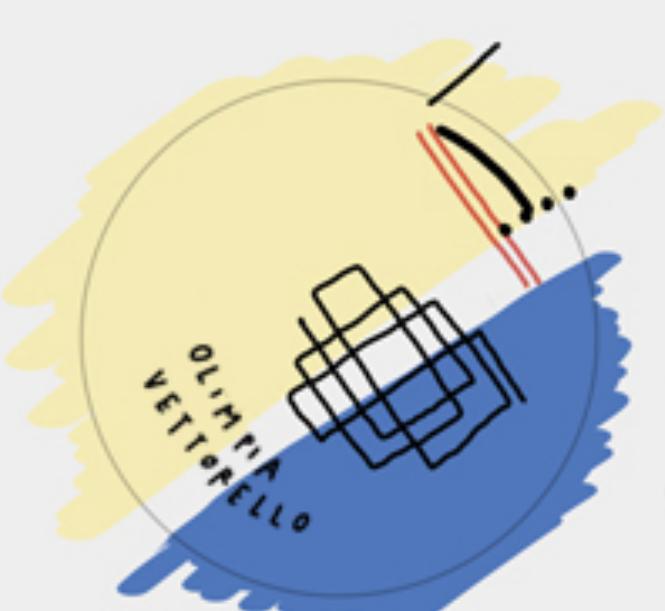
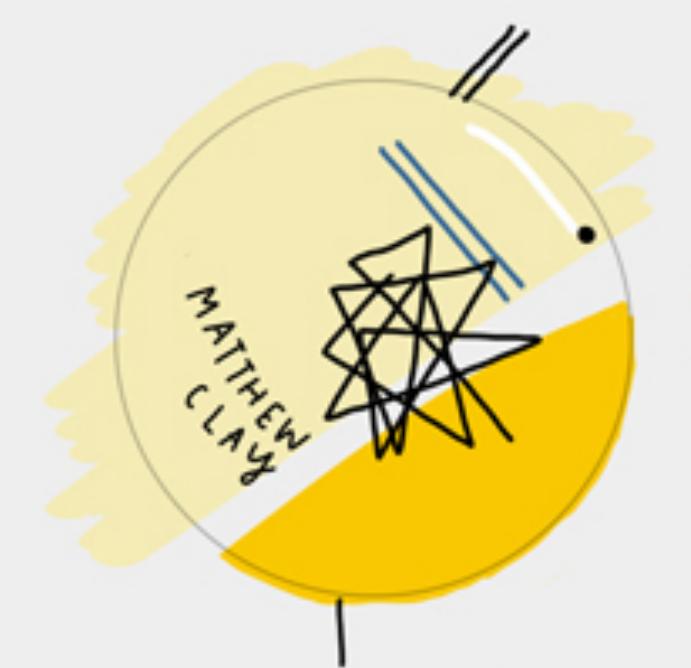
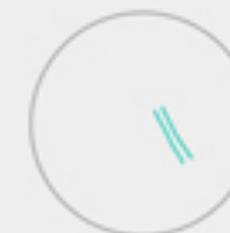
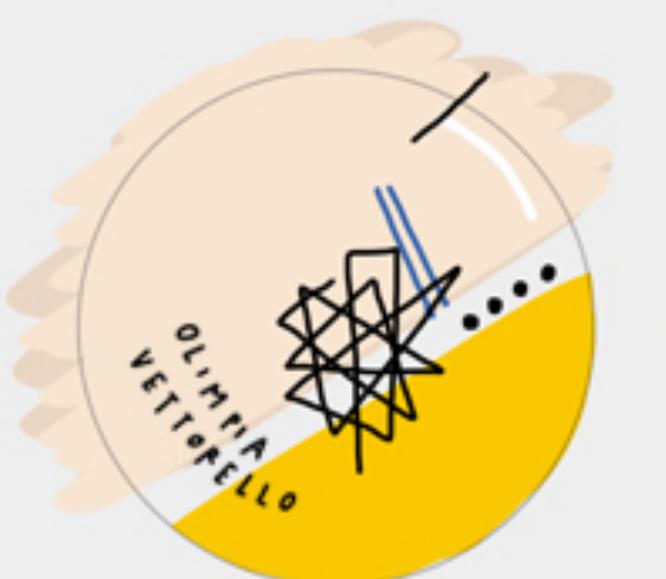
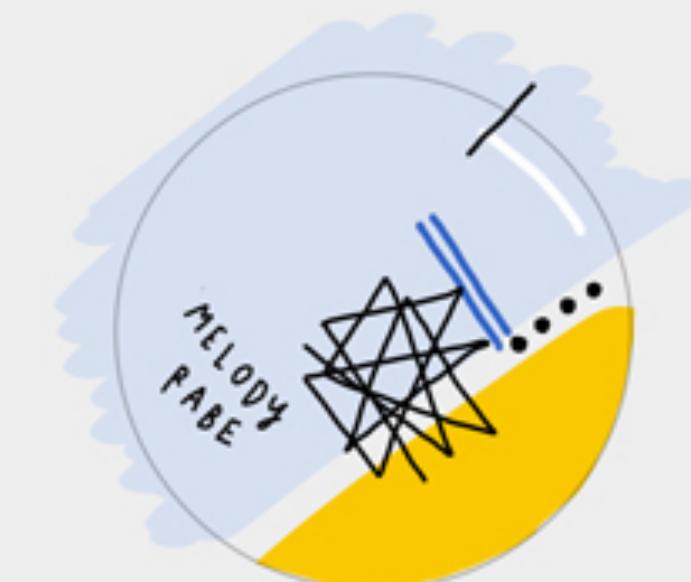
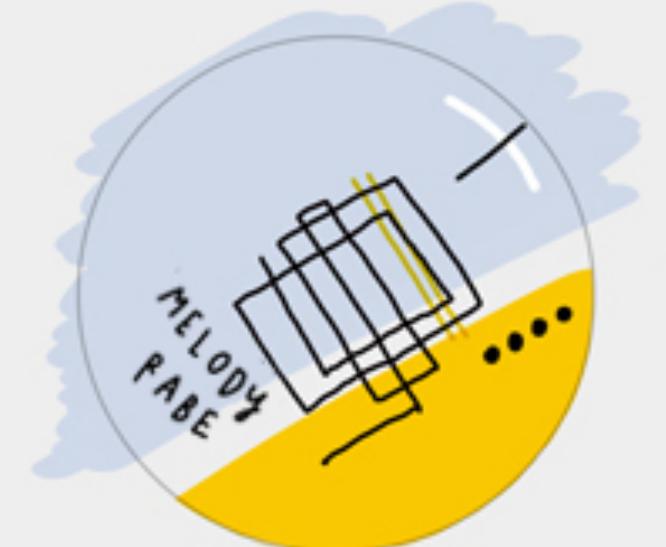
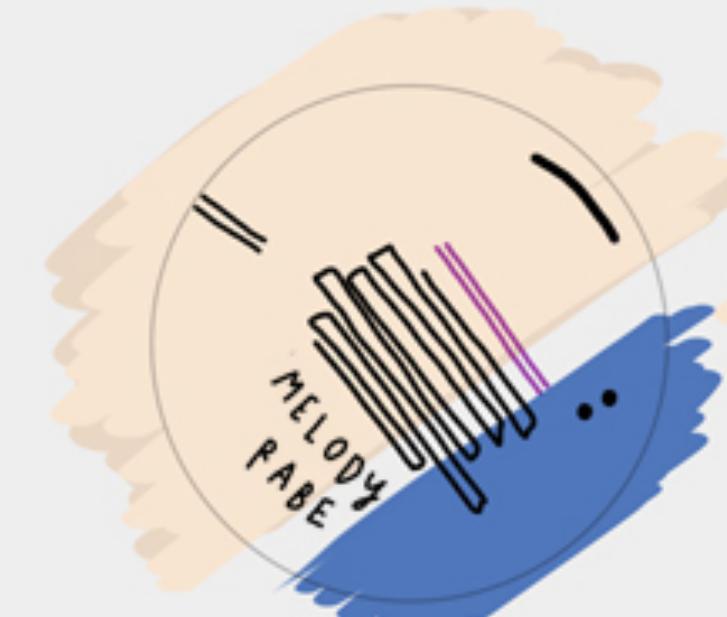
03:00:00:

# **TED Data Portraits**

## **Illustration**

Use personalized data visualizations to prompt connections among TED conference attendees.





Which TED letter are you?

- A. Technology,
- B. Entertainment
- C. Design

When do you get your best ideas?

- A. Right before I fall asleep/wake-up
- B. While I'm getting ready
- C. During my commute
- D. At the office
- E. After an adult beverage
- F. I never know when brilliance might strike

When I have a chance to read, I prefer:

- / A. A novel
- /= B. Non-fiction
- / C. Newspaper
- /= D. Magazine
- | E. Does Twitter count?

When it comes to the rules, do you:

- A. Follow them
- B. Fudge them
- C. Ignore them

How many unread e-mails in the inbox before you start to feel anxious?

- A. 1
- B. 20
- C. Over 100
- D. I don't get anxious until I hit the 1000s.

My workspace is:

- A. Minimalist
- B. Covered in photos/momentos
- C. Covered in papers/work stuff
- D. Preferably a hammock

The future is

- A. bright
- B. Grim





We believe the  
Future You isn't a  
person, it's a place.

A place reached

- 1** Which TED letter are you?  
 A. Technology  
 B. Entertainment  
 C. Design
- 2** When do you get your best ideas?  
 A. Right before I fall asleep / wake-up  
 B. While I'm getting ready  
 C. During my commute  
 D. At the office  
 E. After an adult beverage  
 F. I never know when brilliance might strike
- 3** When I have a chance to read, I prefer:  
 A. Novel  
 B. Non-fiction  
 C. Newspaper  
 D. Magazine  
 E. Does Twitter count?
- 4** When it comes to the rules, do you:  
 A. Follow them  
 B. Fudge them  
 C. Ignore them
- 5** How many unread e-mails in the inbox before you start to feel anxious?  
 A. 1  
 B. 20  
 C. Over 100  
 D. I don't get anxious until I hit the 1,000s
- 6** My workspace is:  
 A. Minimalist  
 B. Covered in photos / momentos  
 C. Covered in papers / work stuff  
 D. Preferably a hammock
- 7** The future is:  
 A. Bright  
 B. Grim

# Friends in Space

## Digital Interface

Conceived and developed a web-based digital app that integrated real-time data streams from the ISS within a visual interface that could be used simultaneously by thousands of people around the world.

Explore the FUTURE ↑



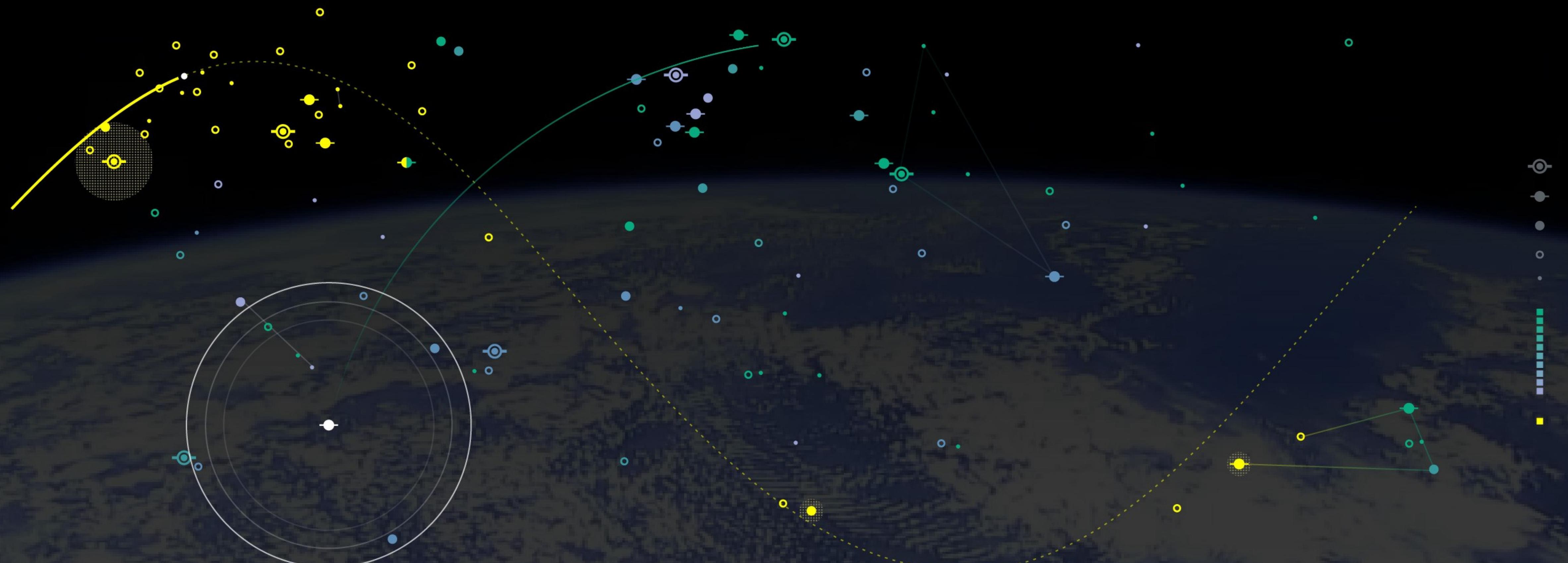
FRIENDS IN SPACE

X II ABOUT THE PROJECT

USTREAM  
LIVE

NOW — Orbit 1024, 9%

SEE MAP



NOT PART OF CURRENT ORBIT ?

Giorgia Lugi — 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 ↓

Explore the FUTURE ↑



FRIENDS IN SPACE



ABOUT THE PROJECT

USTREAM  
LIVE

NOW — Orbit 1024, 33%

SEE MAP



Explore the PAST ↓

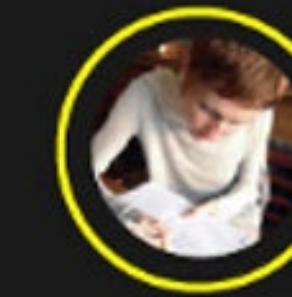


### What's this?

What you see here is the trace left by the people who were on orbit and said "Hello Samantha!".

The closer you are to her, the louder your "Hello" and the bigger the trace you leave will be.

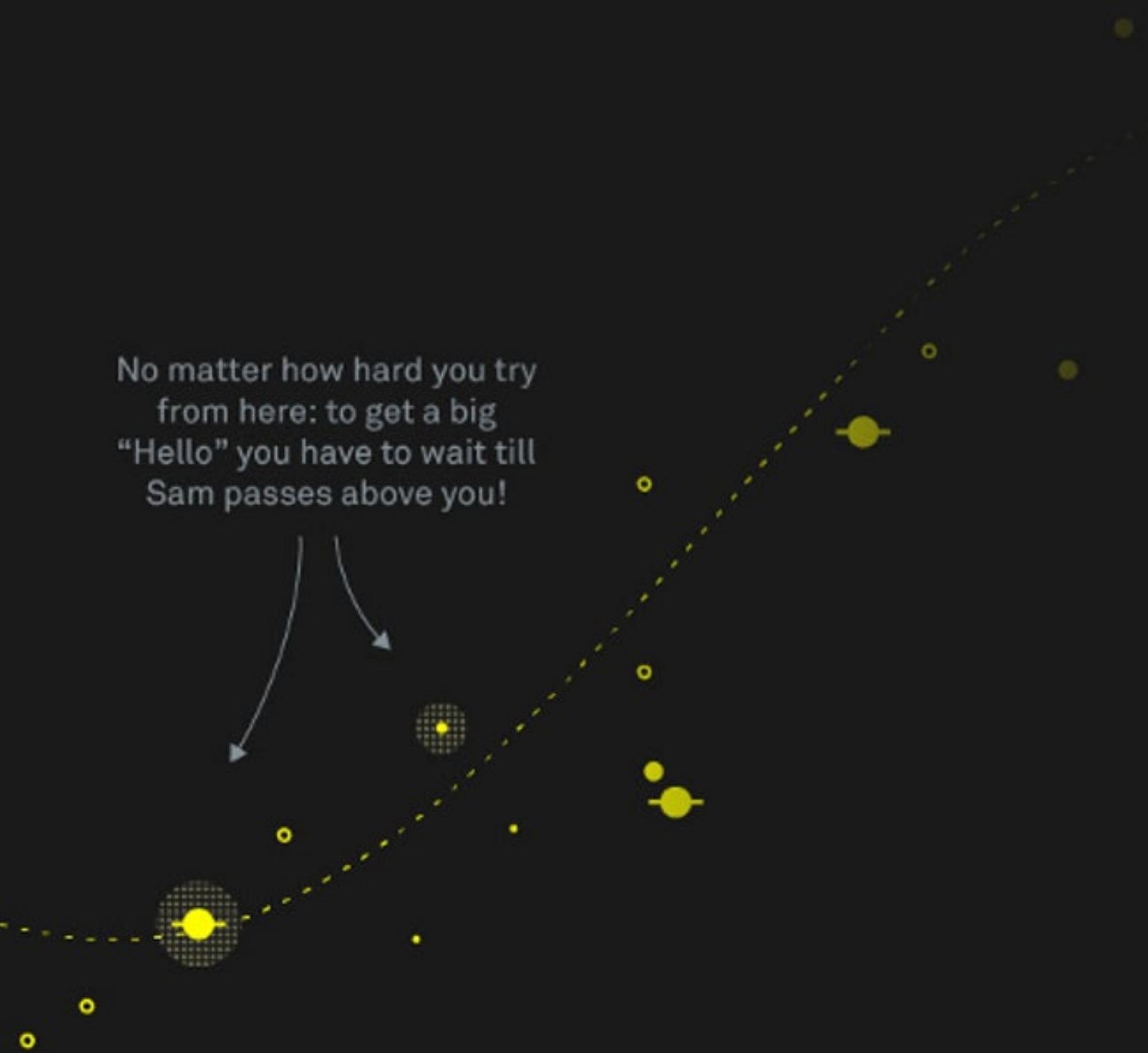
Yellow represents stars that are below the ISS orbital path, meaning that Sam will eventually orbit over their head — or just did.



When you're "on orbit" you can communicate with Sam; you can wave to her and, if you're lucky, she will reply!



No matter how hard you try from here: to get a big "Hello" you have to wait till Sam passes above you!



Explore the FUTURE ↑

NOW — Orbit #9, 45%

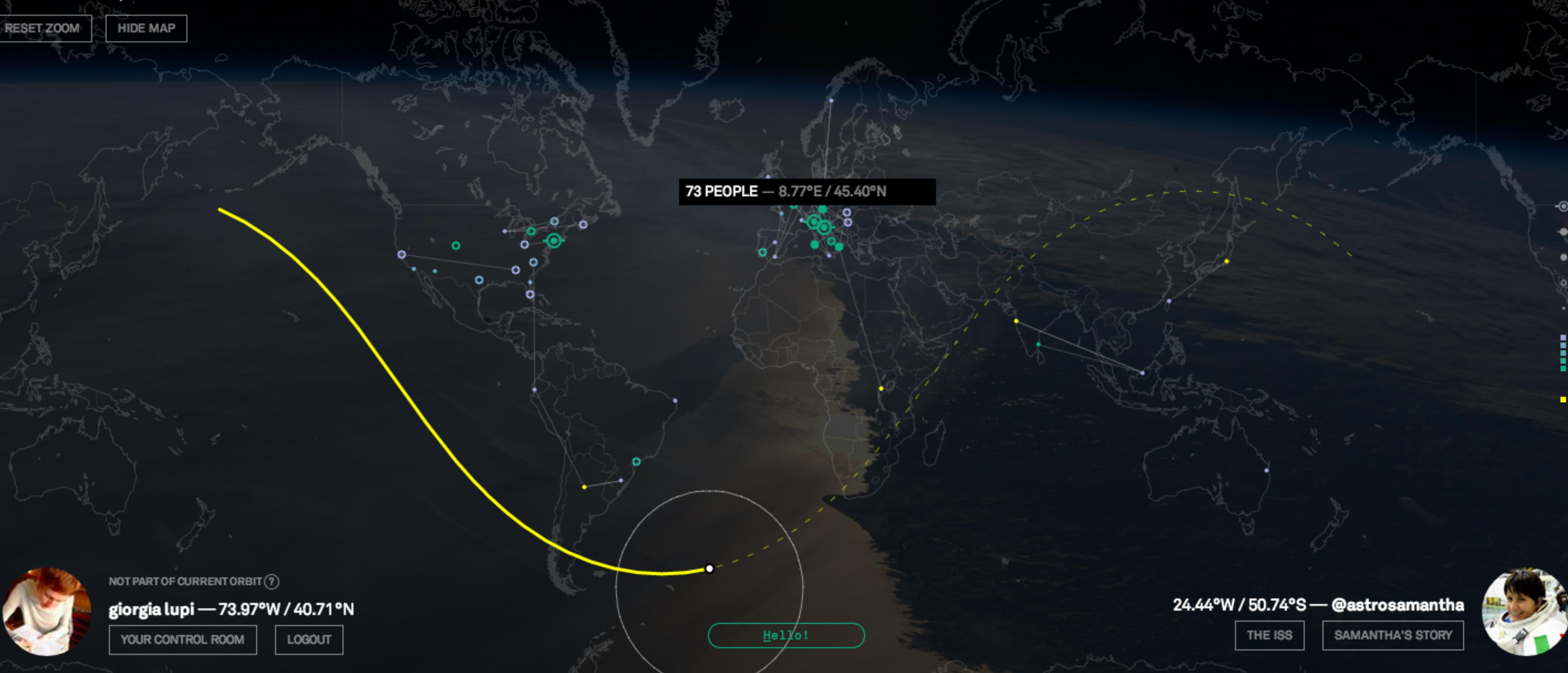
RESET ZOOM

HIDE MAP

FRIENDS IN SPACE

SHOW LIVE VIDEO

ABOUT THE PROJECT



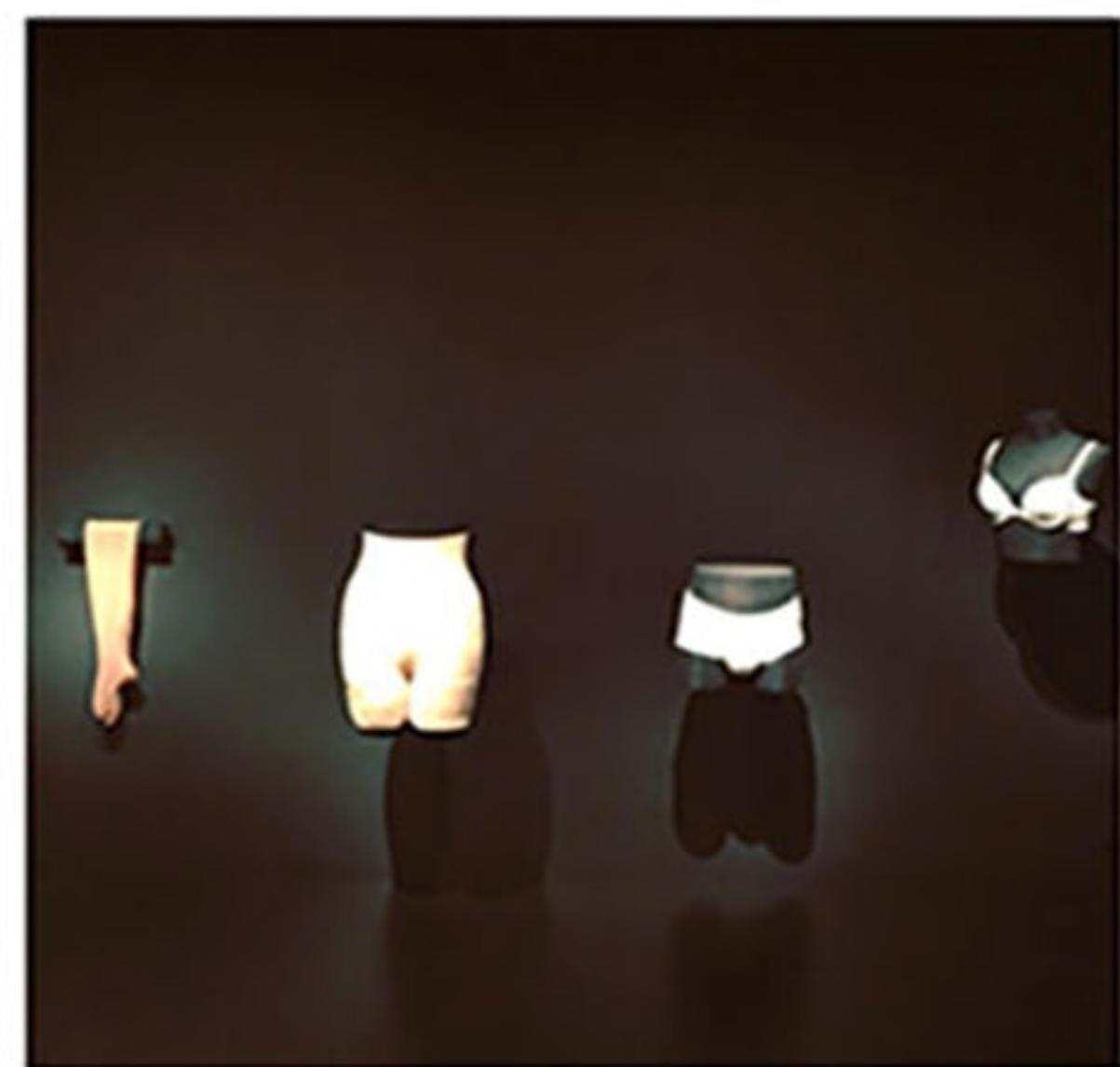
Explore the PAST ↓



# Data Items: A Fashion Landscape

## **Exhibition Design**

A data-driven installation created for MoMA interprets the exhibition, 'Items: Is Fashion Modern?'



# 111 ITEMS

Items  
501 Jeans  
A-POC Queen Textile  
Adidas Superstar  
Air Force 1  
Aran Sweater  
Aviators  
Backpack  
Balacavia  
Ballet Flats  
Bandana  
Baseball Cap  
Beret  
Biker Jacket  
Bikini  
Birkin Bag  
Body Meets Dress, Dress Meets Body dress  
Bretton Shirt  
Briefs (Y-front)  
Bucket Hat  
Burkini  
Cantan  
Capri Pants  
Cartier Love Bracelet  
Chanel No. 5  
Cheongsam  
Chino  
Converse Ad Stars  
Clogs  
Copolla  
Dashiki  
Diamond Engagement Ring  
Diamond Stud  
Doorknocker Hoops  
Down Jacket  
Dr. Martens  
Dutch Wax  
Espadrilles  
Fanny Pack (Slum Bag)  
Fitbit  
Fleece Snap T  
Flip Flops  
Fur Coat  
Gore-Tex Jacket  
Graphic T-shirt  
Guayabera  
Harem Pants  
Headphones (Walkman)  
Head Wrap  
Hijab  
Hoodie  
Jumpsuit  
Keffiyah  
Kent Cloth  
Kit  
Kippah  
Lapel Pin  
Little Black Dress  
Le Smoking  
Leather Pants  
Leotard  
Loafers  
Manicure  
Mao Jacket  
Mini skirt  
Monogram  
Moon Boot  
Oxford Cloth Button Down Shirt  
Panama Hat  
Pearl Necklace  
Pencil Skirt  
Plaid Flannel Shirt  
Platforms  
Polka Shirt  
Premaman  
Red Lipstick  
Rolex  
Safari Suit  
Safety Pin  
Sari  
Seven Easy Pieces  
Sakhar Kamosz  
Shaali  
Shift Dress  
Shirt Dress  
Silk Scarf  
Slip Dress  
Snugli (Baby Carrier)  
Space Age Cosmos Collection  
Spanx  
Speedo  
Sports Jersey  
Stilettos  
Surf  
Sunscreen  
Surgical Mask  
Swatch  
Tabi Boots  
Tattoo  
Teva  
Tie  
Tights (Partyhose)

## Hermès Birkin

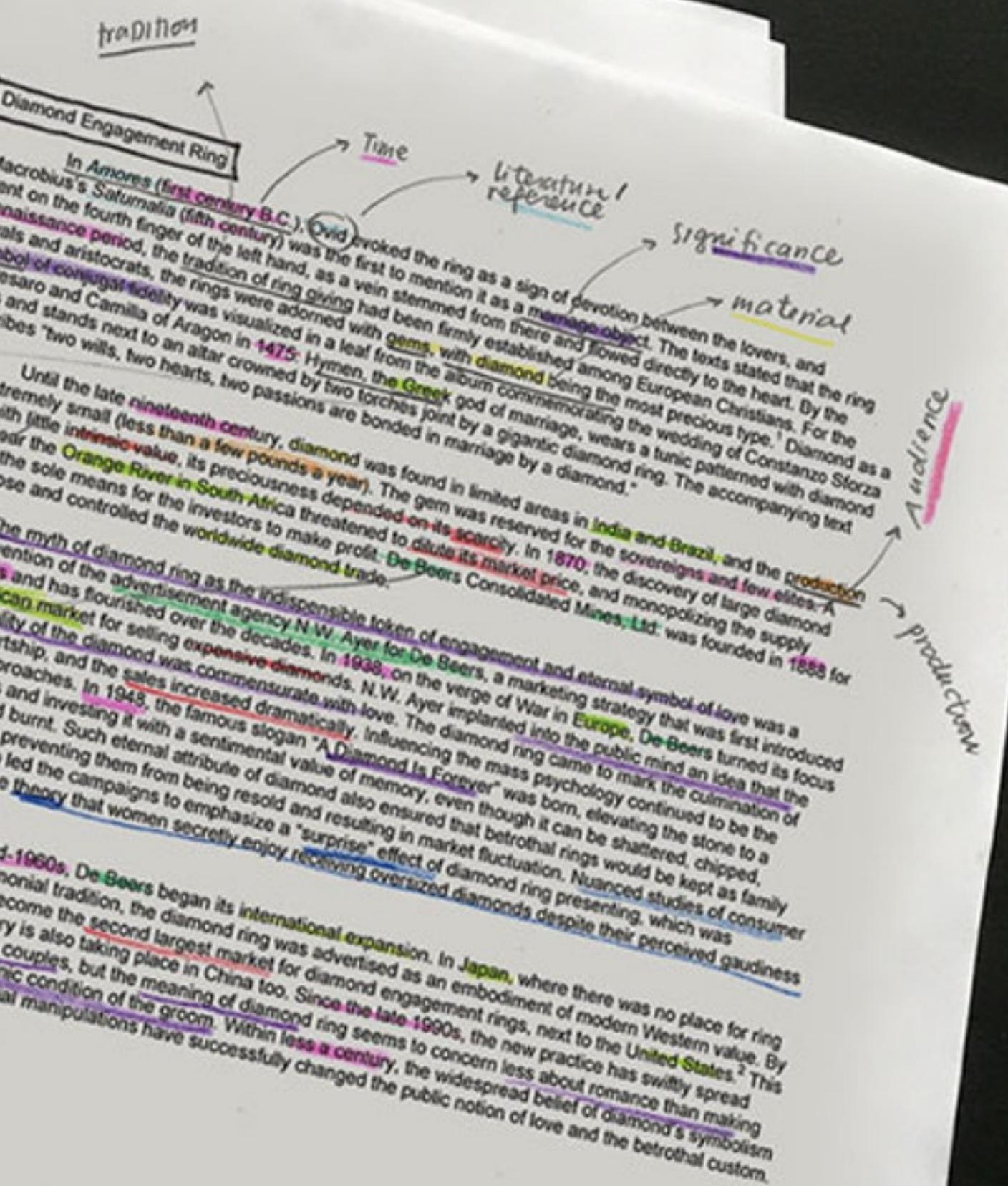
In 1981, as Brit  
Paris, the contr  
to her. The par  
vision of a han  
you." A legend  
not an immedi  
dition culture  
it Bag.

Described by  
desirable in t  
solidification  
1999 as part  
elusive, rare  
Europe to d  
when Egypt  
currency, th  
Though the  
1700s to th  
Bag goes !

With seve  
1997 Bag  
1892 ha  
a simple !  
when pla  
consciou  
for her p  
glamour  
took off

Like its  
fashion  
Birkin i  
its nan  
secon  
other  
Birkin  
ends

Met  
by it  
thei  
bon  
ent  
kn  
an



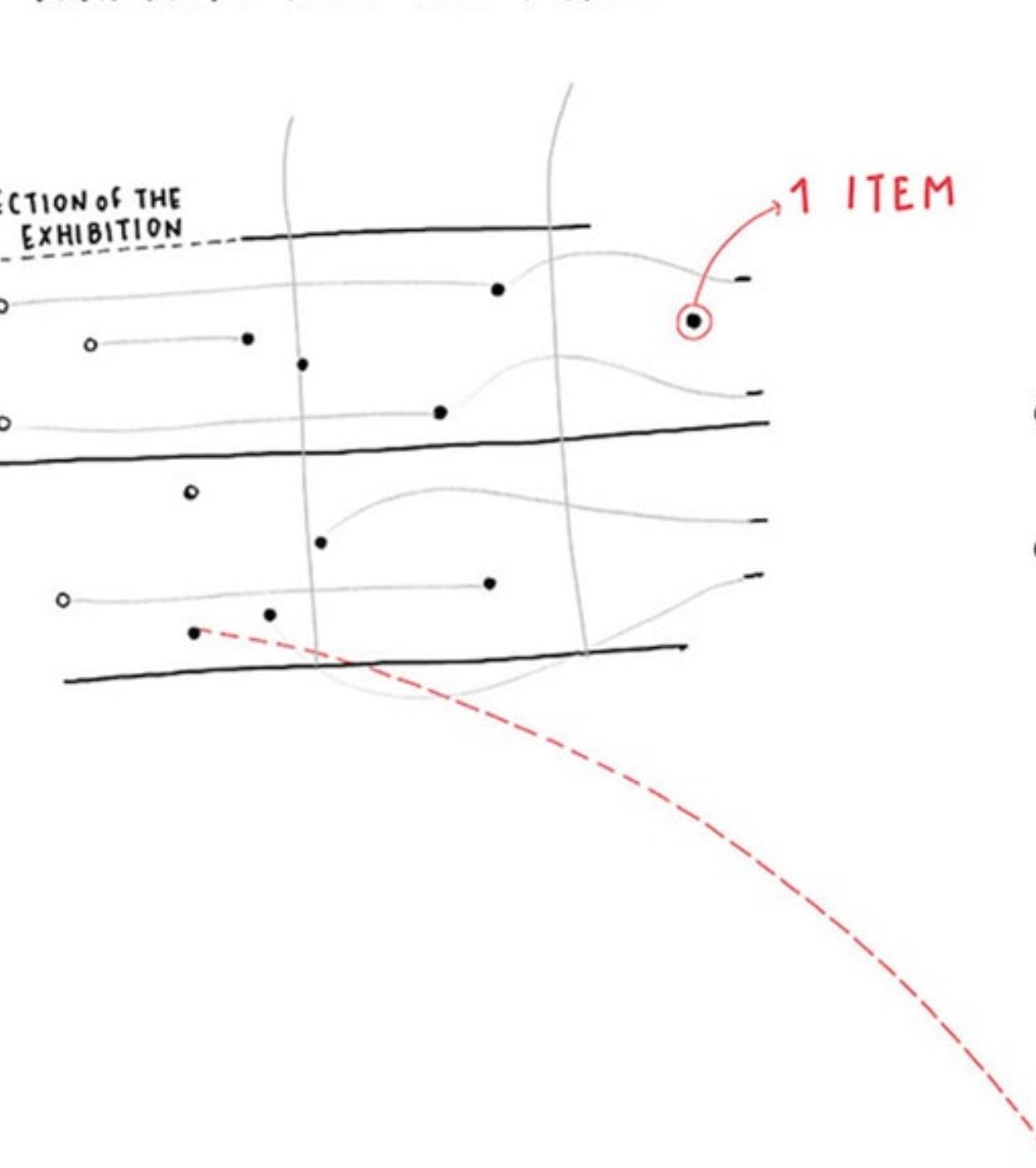
In Amores (first century B.C.), Ovid evoked the ring as a sign of devotion between the lovers, and Macrobius's Satumalia (5th century) was the first to mention it as a marriage object. The texts stated that the ring went on the fourth finger of the left hand, as a vein stemmed from there and flowed directly to the heart. By the Renaissance period, the tradition of ring giving had been firmly established among European Christians. For the royals and aristocrats, the rings were adorned with **gems**, with diamond being the most precious type.<sup>1</sup> Diamond as a symbol of constancy and fidelity was visualized in a leaf from the album commemorating the wedding of Costanzo Sforza of Pesaro and Camilla of Aragon in 1475. Hymen, the Greek god of marriage, wears a tunic patterned with diamond rings and stands next to an altar crowned by two torches joint by a gigantic diamond ring. The accompanying text describes "two wills, two hearts, two passions are bonded in marriage by a diamond."

Until the late nineteenth century, diamond was found in limited areas in India and Brazil, and the production was extremely small (less than a few pounds a year). The gem was reserved for the sovereigns and few elites. A stone with little **intrinsic value**, its preciousness depended on its scarcity. In 1870, the discovery of large diamond mines near the Orange River in South Africa threatened to ~~dictate~~ its market price, and monopolizing the supply became the sole means for the investors to make profit. De Beers Consolidated Mines, Ltd. was founded in 1888 for this purpose and controlled the worldwide diamond trade.

The myth of diamond ring as the indispensable token of engagement and eternal symbol of love was a modern invention of the advertisement agency N.W. Ayer for De Beers, a marketing strategy that was first introduced in the 1940s and has flourished over the decades. In 1938, on the verge of War in Europe, De Beers turned its focus to the American market for selling expensive diamonds. N.W. Ayer implanted into the public mind an idea that the size and quality of the diamond was commensurate with love. Influencing the mass psychology continued to be the romantic courtship, and the sales increased dramatically. Influencing the mass psychology continued to be the marketing approaches. In 1948, the famous slogan "A Diamond Is Forever" was born, elevating the stone to a magical status and investing it with a sentimental value of memory, even though it can be shattered, chipped, discolored, and burnt. Such eternal attribute of diamond also ensured that betrothal rings would be kept as family treasures, thus preventing them from being resold and resulting in market fluctuation. Nuanced studies of consumer psychology also led the campaigns to emphasize a "surprise" effect of diamond ring presenting, which was predicated on the theory that women secretly enjoy receiving oversized diamonds despite their perceived gaudiness and vulgarity.

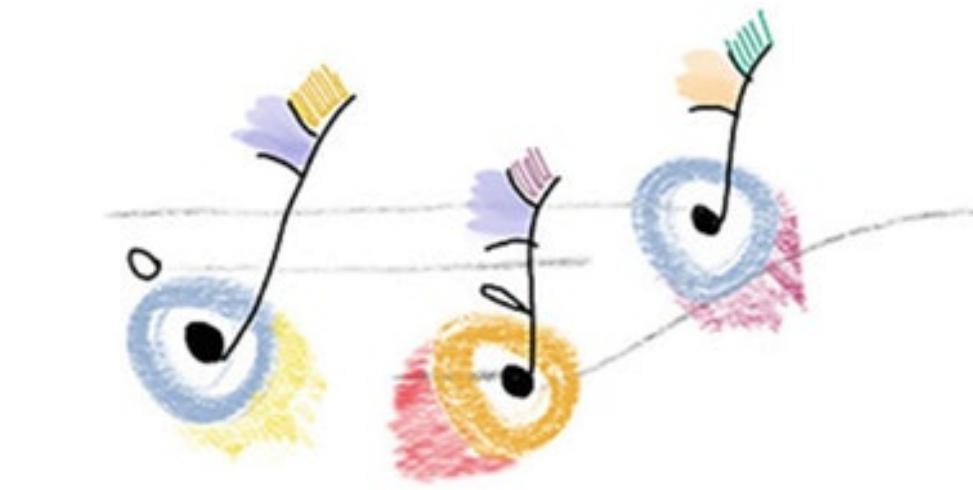
Studies/  
psychologies/  
consumers

<sup>1</sup> Andrea Bayer, *Art and Love in Renaissance Italy*, exh. cat. (Metropolitan Museum of Art, 2008), p. 110.  
<sup>2</sup> The history of the diamond ring in the twentieth century is drawn from Edward Jay Epstein, "Have You Ever Tried to Sell a Diamond?" *The Atlantic*, February 1982.



IN THE UPPER PART OF THE VISUALIZATION,  
ALL 111 ITEMS IN THE EXHIBITION ARE GROUPED  
THEMATICALLY AND DISTRIBUTED ACCORDING TO  
THEIR EMERGENCE OVER TIME IN THE INCARNATIONS  
THAT MADE THEM SIGNIFICANT.

- **ARCHETYPE**  
NOTHING ARISES IN A VACUUM; EVERYTHING WE WEAR HAS A PREDECESSOR, SOMETIMES MANY
- **STEREOTYPE**  
CLOSE YOUR EYES; WHAT APPEARS WHEN YOU THINK OF EACH ITEM OVER THE LAST CENTURY?
- **PROTOTYPE**  
TIME TO REINTERPRET, REIMAGINE, RETHINK, AND RECALIBRATE FOR THE NEAR AND FAR FUTURE
- [ ○ THE ITEM HASN'T CHANGED SUBSTANTIALLY SINCE ITS ANCIENT ORIGINS ]
- THE ORIGIN OF THE ITEM CAN BE TRACED BACK TO AN ARCHETYPE
- A PROTOTYPE WAS COMMISSIONED – OR LOANED – FOR THE SHOW
- SPECIFIC DATE
- DECADE OR PERIOD



TYPE / THE ITEM IS:

- A GARMENT
- AN ACCESSORY/OTHER



ORIGIN / THE ITEM:

- ORGANICALLY AND SPONTANEOUSLY EVOLVED
- IS A MASS-MARKET, BRANDED PRODUCT
- IS AN ORIGINAL PIECE CREATED BY A FASHION HOUSE



SYMBOL OR CONSEQUENCE / THE ITEM:

- IS SYMBOLIC OF A CULTURAL OR SOCIAL MOVEMENT
- IS THE PRODUCT OF A CULTURAL OR SOCIAL TENSION AT A SPECIFIC MOMENT



MEDIUM VERSUS MESSAGE / EACH ITEM IS COMPLEX BUT ITS STEREOTYPE HIGHLIGHTS:

- ITS FUNCTIONAL FEATURES
- WHAT IT SYMBOLIZES



WHICH TYPE OF MEDIUM? / THE ITEM IS ICONIC FOR:

- ITS TECHNICAL OR PRACTICAL QUALITIES
- ITS AESTHETICS OR HISTORY



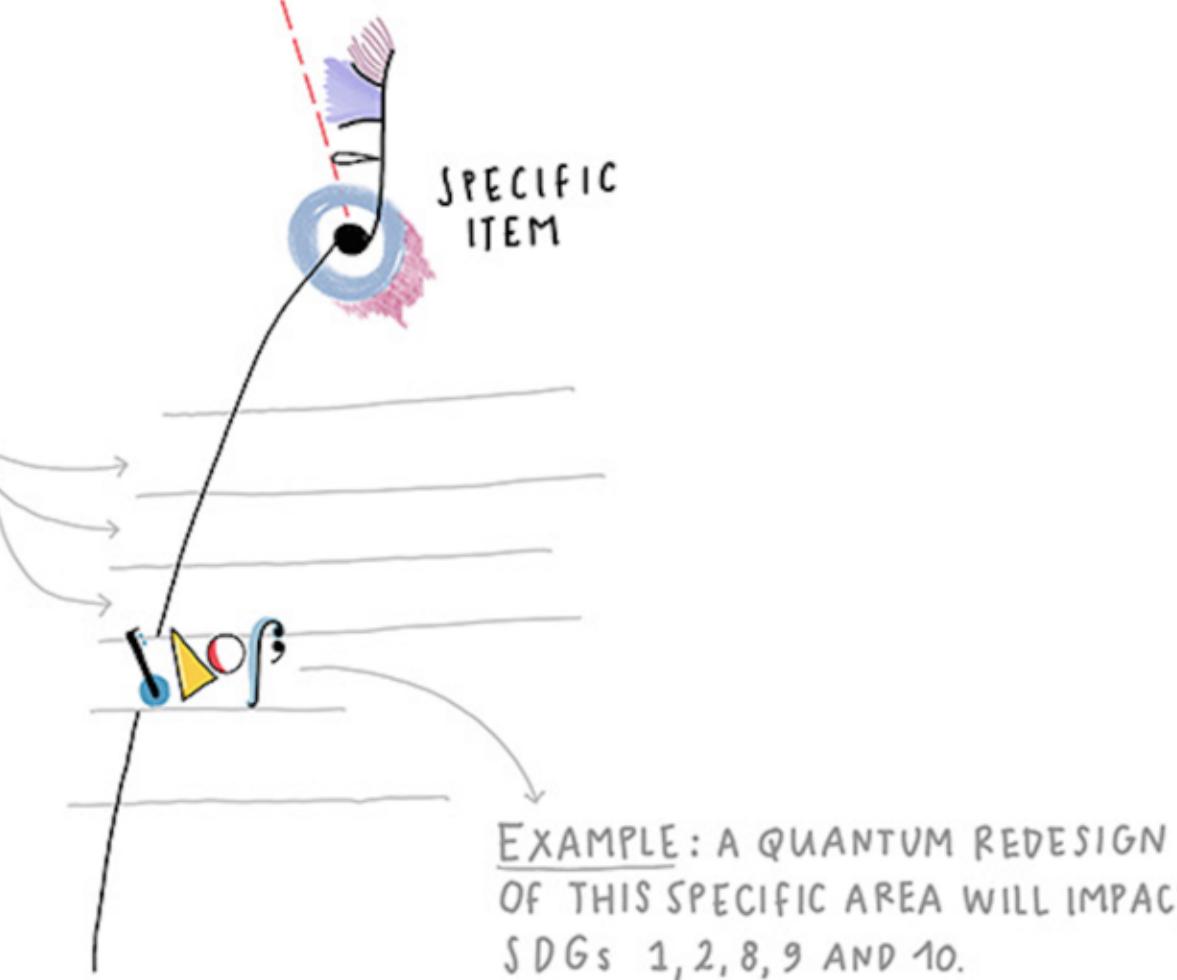
WHICH TYPE OF MESSAGE? / THE ITEM SYMBOLIZES:

- BELONGING TO A SPECIFIC GROUP OR CULTURE
- REBELLION OR EMANCIPATION
- STATUS, UNIQUENESS, OR ACHIEVEMENT

THE LOWER PART OF THE VISUALIZATION FOCUSES ON EIGHT SPECIFIC ITEMS FRAMED WITHIN THE GREATER CONTEXT OF SUSTAINABILITY THROUGH THE LENS OF THE QUANTUM REDESIGN OF FASHION, A MODEL DEVELOPED BY GLASGOW CALEDONIAN NEW YORK COLLEGE'S FAIR FASHION CENTER.

THIS "QUANTUM REDESIGN" IDENTIFIES FIFTEEN INTEGRATED AREAS THAT CONSTITUTE THE FASHION SYSTEM, AND TRACES THE RELATIONSHIPS BETWEEN THEM AND THEIR IMPACT ON EACH OTHER.

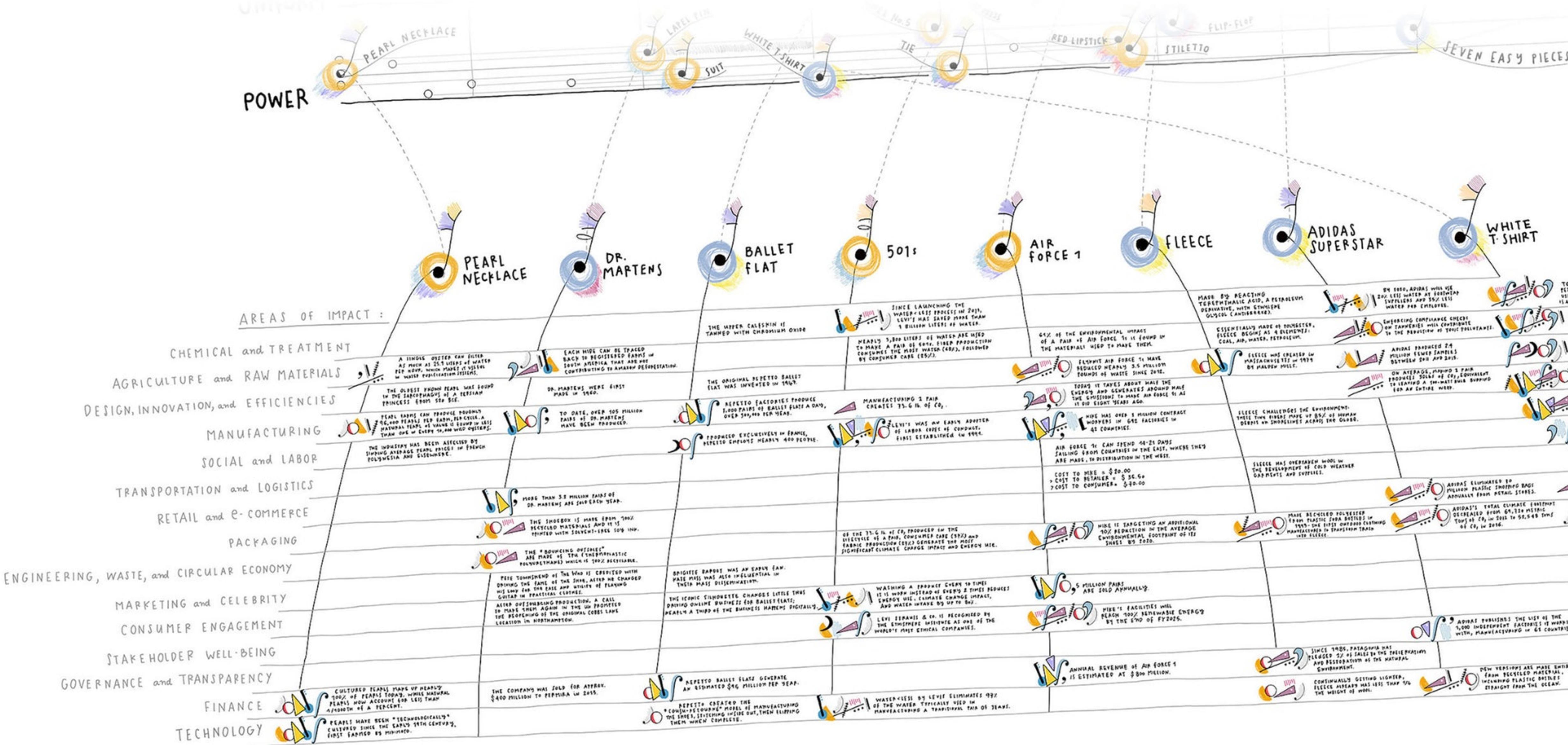
IT ALSO CHARTS THE ITEMS' PROGRESS IN MEETING THE SEVENTEEN SUSTAINABLE DEVELOPMENT GOALS SET BY THE UNITED NATIONS.

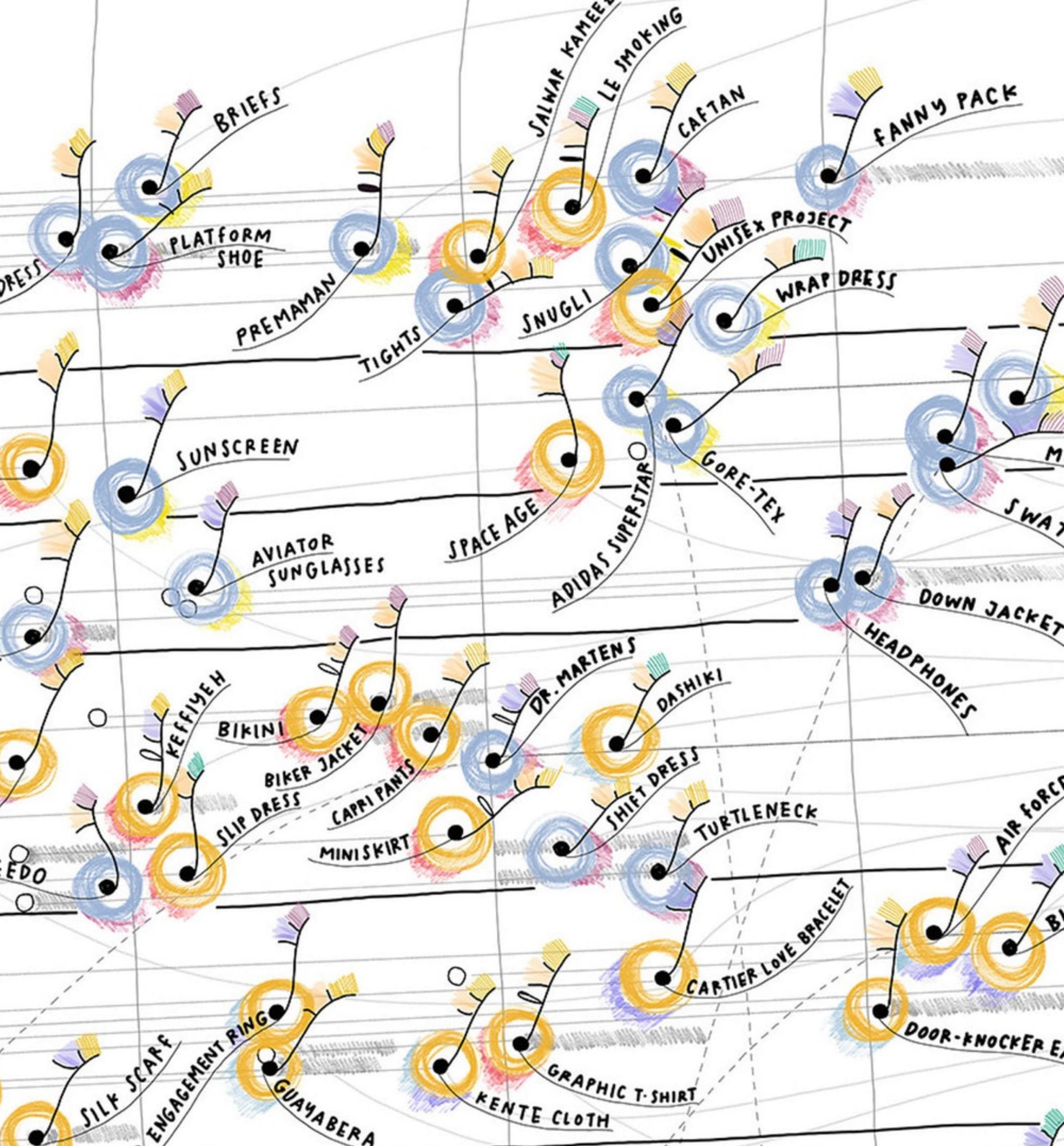


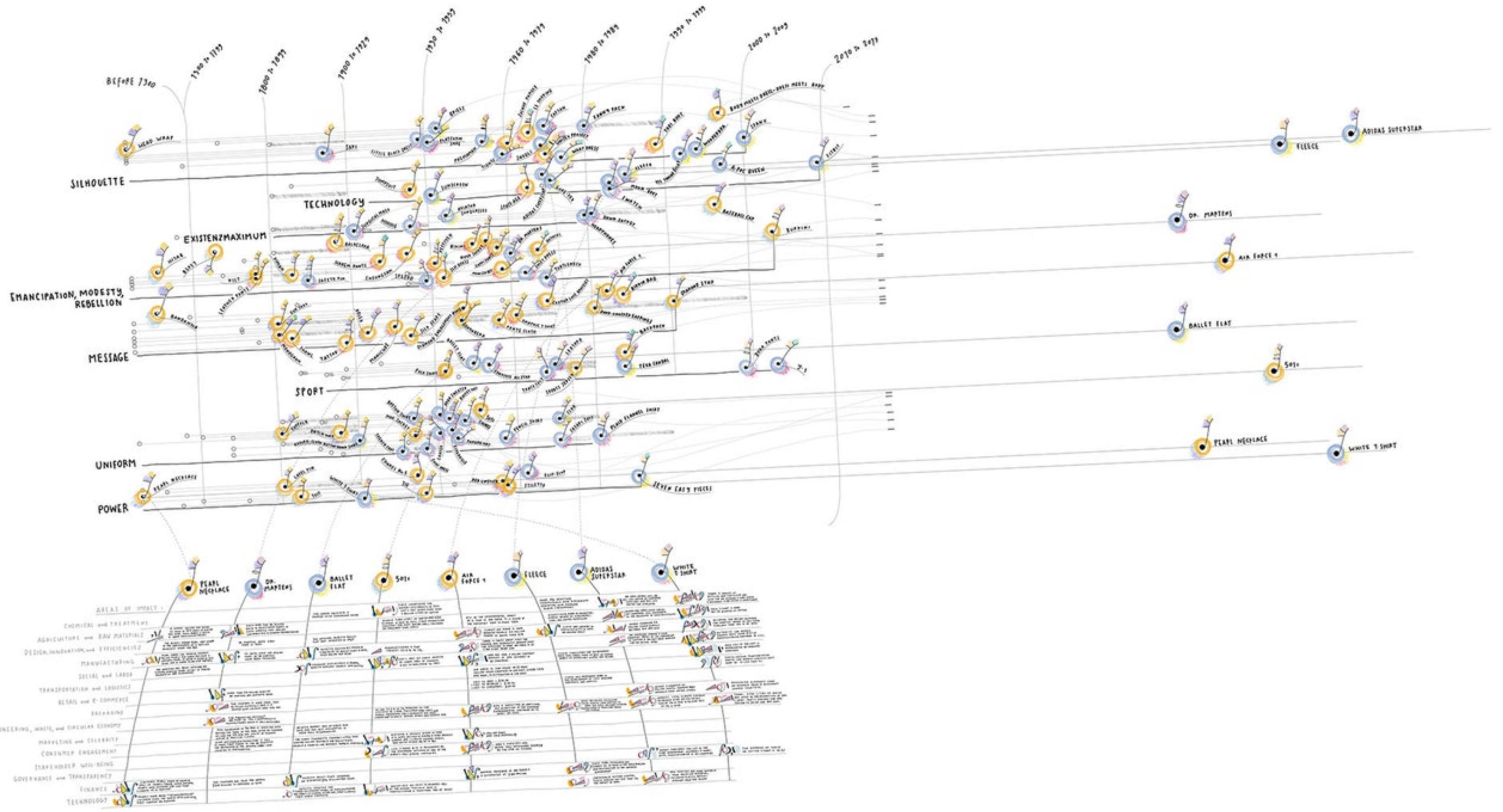
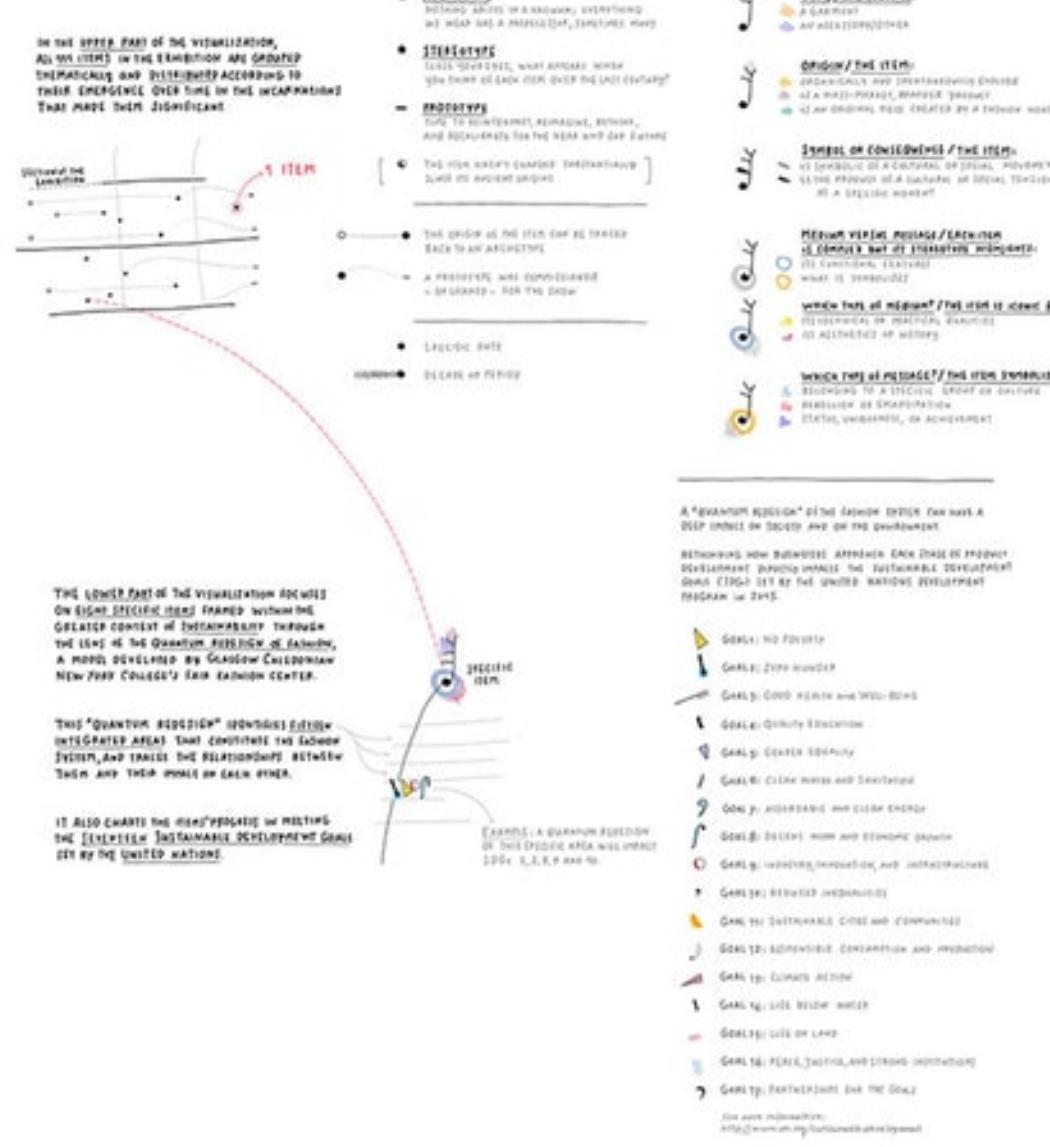
A "QUANTUM REDESIGN" OF THE FASHION SYSTEM CAN HAVE A DEEP IMPACT ON SOCIETY AND ON THE ENVIRONMENT.

RETHINKING HOW BUSINESSES APPROACH EACH STAGE OF PRODUCT DEVELOPMENT DIRECTLY IMPACTS THE SUSTAINABLE DEVELOPMENT GOALS (SDGs) SET BY THE UNITED NATIONS DEVELOPMENT PROGRAM IN 2015.

- GOAL 1: NO POVERTY
- GOAL 2: ZERO HUNGER
- GOAL 3: GOOD HEALTH and WELL-BEING
- ↖ GOAL 4: QUALITY EDUCATION
- ◀ GOAL 5: GENDER EQUALITY
- ↗ GOAL 6: CLEAN WATER AND SANITATION
- ↙ GOAL 7: AFFORDABLE AND CLEAN ENERGY
- ↙ GOAL 8: DECENT WORK AND ECONOMIC GROWTH
- GOAL 9: INDUSTRY, INNOVATION, AND INFRASTRUCTURE
- › GOAL 10: REDUCED INEQUALITIES
- ↘ GOAL 11: SUSTAINABLE CITIES AND COMMUNITIES
- ↙ GOAL 12: RESPONSIBLE CONSUMPTION AND PRODUCTION
- ↗ GOAL 13: CLIMATE ACTION
- ↖ GOAL 14: LIFE BELOW WATER
- ↘ GOAL 15: LIFE ON LAND
- ↙ GOAL 16: PEACE, JUSTICE, AND STRONG INSTITUTIONS
- ↗ GOAL 17: PARTNERSHIPS FOR THE GOALS







IN THE UPPER PART OF THE VISUALIZATION, ALL 111 ITEMS IN THE EXHIBITION ARE GROUPED THEMATICALLY AND DISTRIBUTED ACCORDING TO THEIR EMERGENCE OVER TIME IN THE INCARNATIONS THAT MADE THEM SIGNIFICANT

- ARCHETYPE  
NOTHING BETTER IN A VACUUM, EVERYTHING WE WEAR HAS A PREDECESSOR, SOMETIMES MANY
- STEREOTYPES  
CLASSICISTS, WHAT APPEARS WHEN YOU THINK OF EACH ITEM OVER THE LAST CENTURY?
- PROTOTYPE  
TYPE OR REINTERPRETATION, REIMAGINE, REINVENT, AND RECALIBRATE FOR THE NEAR AND FAR FUTURE. THE ITEM HASHTHIFIED, THRESHOLDING.
- THE ORIGIN OF THE ITEM CAN BE TRACED BACK TO AN ARCHETYPE
- A PROTEIN WAS COMMISSIONED OR LEANED - FOR THE SHOW
- SPECIFIC DATE  
DECLINE OF PERIOD

THE LOWER PART OF THE VISUALIZATION FOCUSES ON EIGHT SPECIFIC ITEMS FRAMED WITHIN THE GREATER CONTEXT OF SUSTAINABILITY THROUGH THE LENS OF THE QUANTUM REDECTION OF FASHION, A MODEL DEVELOPED BY GLASGOW CALDERONIAN NEW YORK COLLEGE'S FAIR FASHION CENTER.

THIS "QUANTUM REDECTION" IDENTIFIES FIFTEEN INTEGRATED AREAS THAT CONSTITUTE THE FASHION SYSTEM, AND TRACES THE RELATIONSHIPS BETWEEN THEM AND THEIR IMPACT ON EACH OTHER.

IT ALSO CHARTS THE ITEMS' PROGRESS IN MEETING THE SEVENTEEN SUSTAINABLE DEVELOPMENT GOALS SET BY THE UNITED NATIONS



EXAMPLE OF ONE OF THESE 111 ITEMS

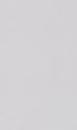
GOALS: NO POVERTY  
GOALS: ZERO HUNGER  
GOALS: GOOD HEALTH AND WELL-BEING  
GOALS: QUALITY EDUCATION  
GOALS: GENDER EQUALITY  
GOALS: CLEAN WATER AND SANITATION  
GOALS: AFFORDABLE AND CLEAN ENERGY  
GOALS: DECENT WORK AND ECONOMIC GROWTH  
GOALS: INDUSTRY, INNOVATION, AND INFRASTRUCTURE  
GOALS: REDUCED INEQUALITIES  
GOALS: SUSTAINABLE CITIES AND COMMUNITIES  
GOALS: RESPONSIBLE CONSUMPTION AND PRODUCTION  
GOALS: CLIMATE ACTION  
GOALS: LIFE BELOW WATER  
GOALS: LIFE ON LAND  
GOALS: PEACE, JUSTICE, AND STRONG INSTITUTIONS  
GOALS: PARTNERSHIPS FOR THE GOALS

SEE MORE INFORMATION  
[HTTP://WWW.UN.ORG/SUSTAINABLEDEVELOPMENT](http://www.un.org/sustainabledevelopment)

AT THE BOTTOM OF THE EXHIBITION, IT IS POSSIBLE TO GET A DEEP INSIGHT ON TOILET AND ON THE ENVIRONMENT, RETURNING HOW BUSINESS APPREND EACH STAGE OF PROGRESS, DEVELOPMENT, DIRECTLY IMPACTS THE SUSTAINABILITY DEVELOPMENT GOALS (SDG) SET BY THE UNITED NATIONS DEVELOPMENT PROGRAM IN 2015.

- GOALS: NO POVERTY
- GOALS: ZERO HUNGER
- GOALS: GOOD HEALTH AND WELL-BEING
- GOALS: QUALITY EDUCATION
- GOALS: GENDER EQUALITY
- GOALS: CLEAN WATER AND SANITATION
- GOALS: AFFORDABLE AND CLEAN ENERGY
- GOALS: DECENT WORK AND ECONOMIC GROWTH
- GOALS: INDUSTRY, INNOVATION, AND INFRASTRUCTURE
- GOALS: REDUCED INEQUALITIES
- GOALS: SUSTAINABLE CITIES AND COMMUNITIES
- GOALS: RESPONSIBLE CONSUMPTION AND PRODUCTION
- GOALS: CLIMATE ACTION
- GOALS: LIFE BELOW WATER
- GOALS: LIFE ON LAND
- GOALS: PEACE, JUSTICE, AND STRONG INSTITUTIONS
- GOALS: PARTNERSHIPS FOR THE GOALS

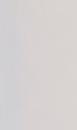
SEE MORE INFORMATION  
[HTTP://WWW.UN.ORG/SUSTAINABLEDEVELOPMENT](http://www.un.org/sustainabledevelopment)



ITEM



ITEM



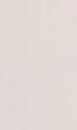
ITEM



ITEM



ITEM



ITEM



ITEM



ITEM

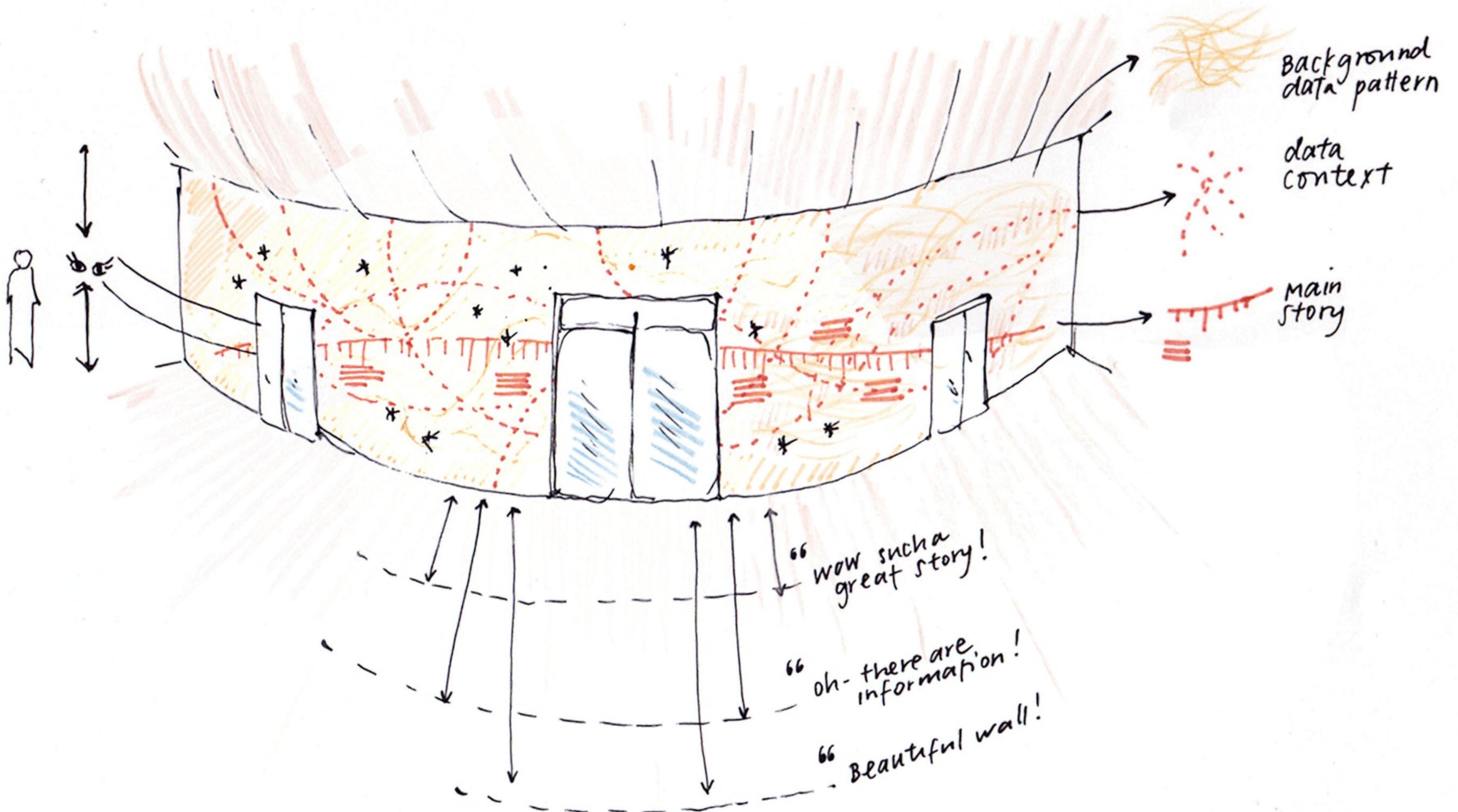
ITEM</p



# Starbucks

## Digital Design, AR Design

Data visualization installation and augmented reality experience for the Starbucks Reserve Roastery in Milan.



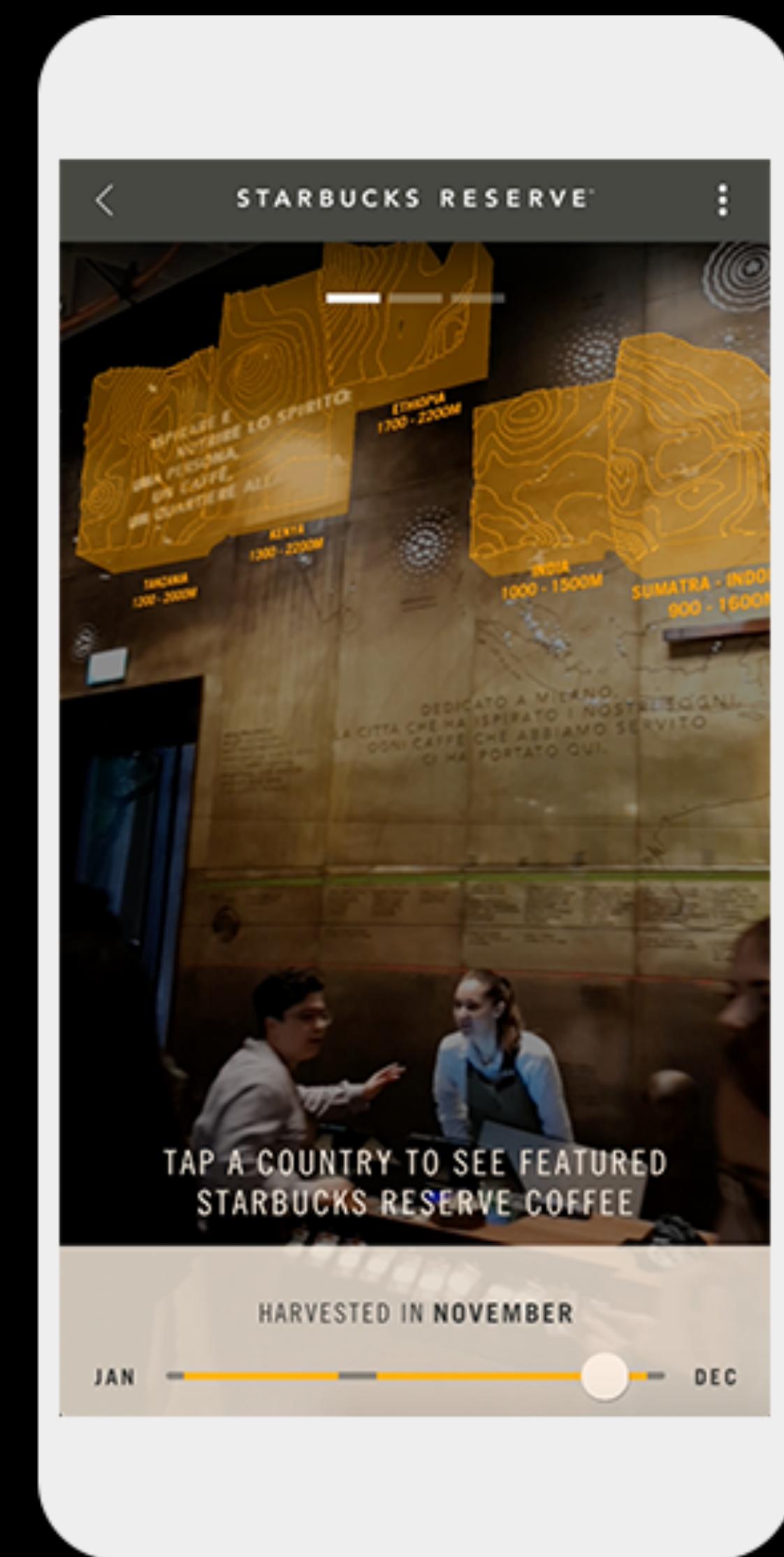
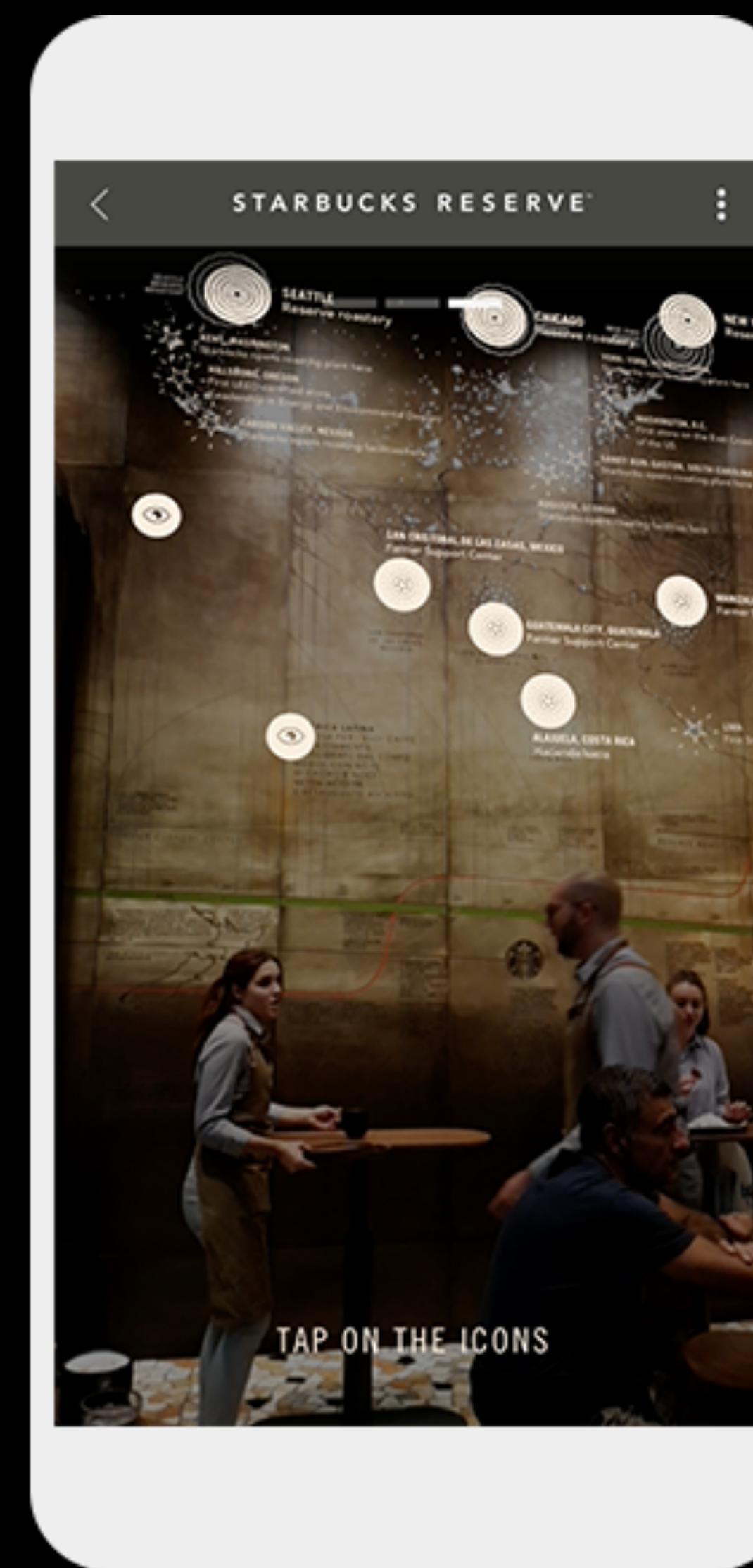
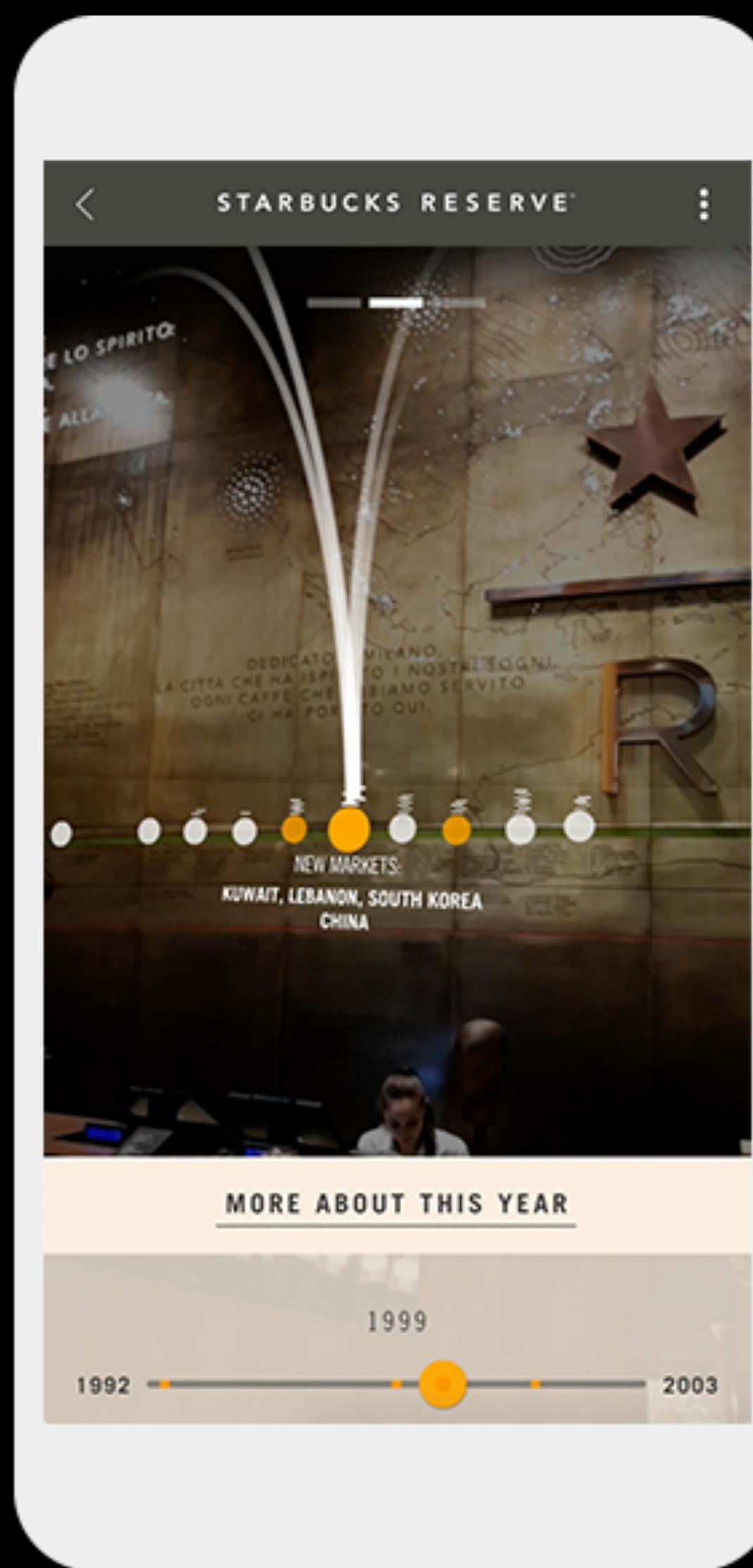


ISPIRARE E  
UNA PERSONA,  
UN CAFFÈ,  
UN QUARTIERE ALLA VOLTA.

DEDICATO A MILANO  
LA CITTÀ CHE HA ISPIRATO IL NOSTRO caffè.  
OGNI CAFFÈ CHE ABBIAMO SERVITO  
È SPECIALE PER IL SENSORE  
DEL GUSTO TERRACE.

THE  
STARBUCKS RESERVE  
COLLECTION

HERE  
coffee





**'...ma poi, che  
cosè un nome?'**

### **Exhibition Design**

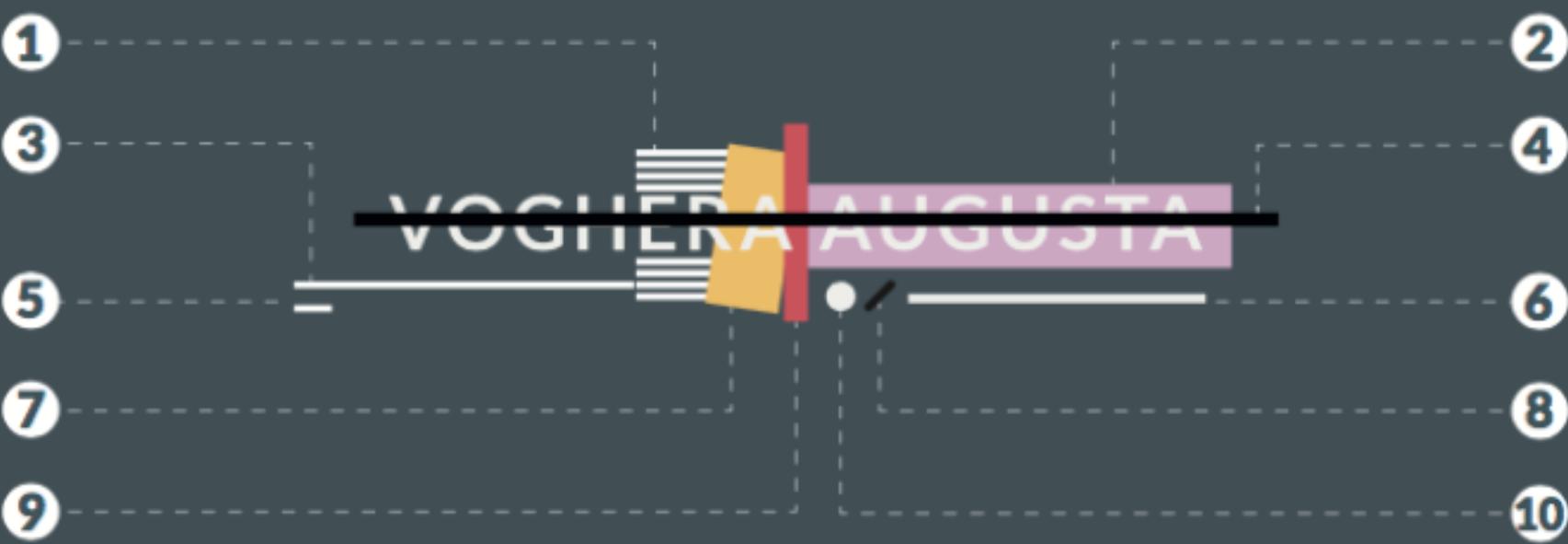
An installation visualizing data from the 1938 census in Milan mirrors the social and personal impact of the first discriminatory act against Jews by the Italian Fascist regime.

...ma a  
perché  
cos'è  
un  
nome?

Terrazza  
Triennale

Secondo piano  
Second floor

Orari  
Hours  
Mo-Fri  
10.00-18.00  
Sat  
10.00-18.00  
Mo-Fri  
10.00-18.00  
Sat  
10.00-18.00



- Discriminazione non riconosciuta      ① *Non discriminated*
- Professione appartenente al macro-gruppo: "Casalinghe"      ② *Profession grouped in the macro-category: "Housewives"*
- 38 anni al momento del censimento      ③ *38 years old at the date of the census*
- Destino finale: deportata, non sopravvissuta      ④ *Fate: deported, unsurvived*
- Residente in Italia dalla nascita      ⑤ *Resident in Italy since birth*
- Cittadinanza italiana      ⑥ *Italian citizenship*
- Di religione Israelitica      ⑦ *Jewish*
- Non discendente da matrimonio misto      ⑧ *Non descendant of a mixed marriage*
- Femmina      ⑨ *Female*
- Appartenente alla razza Ebraica      ⑩ *Member of the Jewish race*





ANCONA MARIO GIUSEPPE

LUZZATTO LUCIANA

DARDE SALOMONE

DE DANINON

NACHMANSON CARLO

SCIALTIEL SERGIO

WEINBERG INGE

COI

RATH PIETRO

LUZZATTO GIANCARLO

USIGLIO ANNAMARIA

WOLTER

SCHAFFER HERMANN

RAGENDORFER HANS

AGHIB CARLA FANNY

MILLA MAR

CODELEONCINI CARLO

EKMAN ERNESTINA

MOSCATI GIANFRANCO

LOPEZ NUNES GUIDO





# Discussion

# **Discussion**

**Q1: Is there room for creativity in the definition of a dataset?**

**Q2: Do you think data visualization should be 'inclusive' or 'exclusive'?**



**Thanks**