EU DATA VIZ

Luxembourg

12 November 2019

PLENARY SPEECH

Caroline Goulard

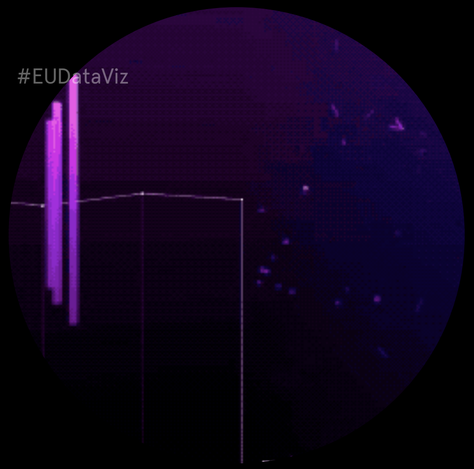
CEO at Dataveyes (France)

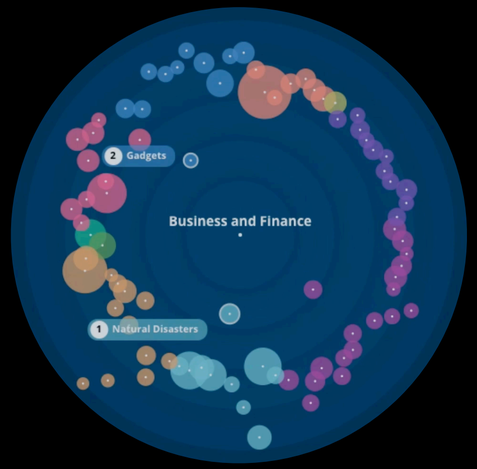
Making visible the invisible

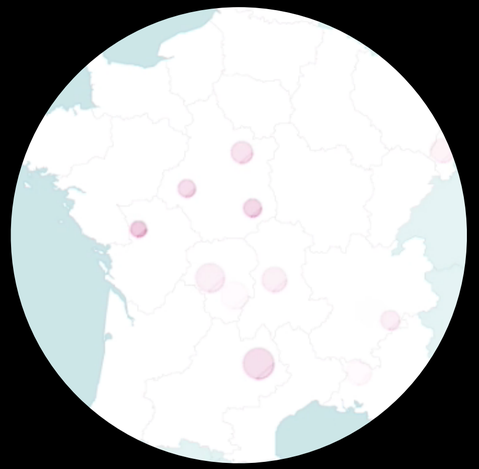
Make The Invisible Visible

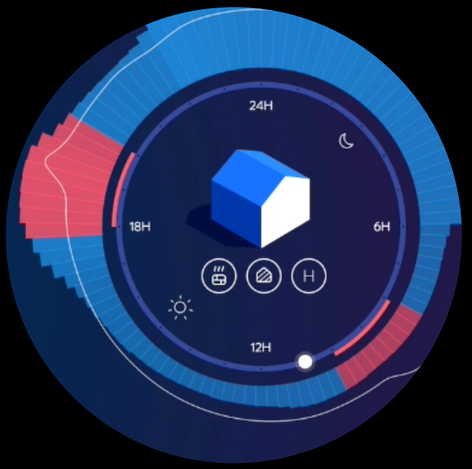
Caroline Goulard, Dataveyes

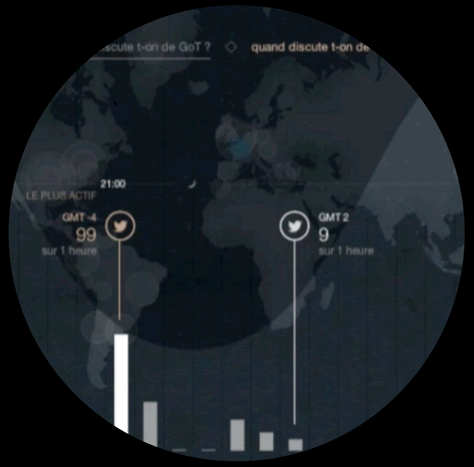
#EUDataViz

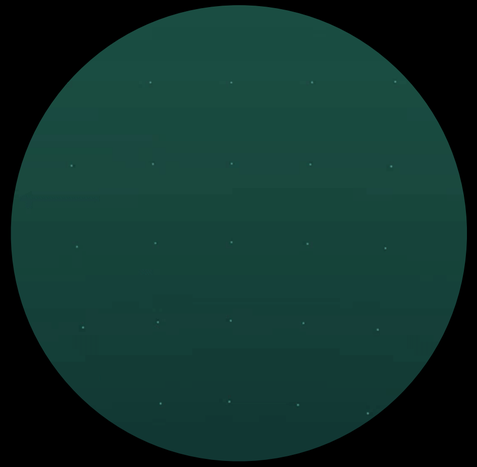


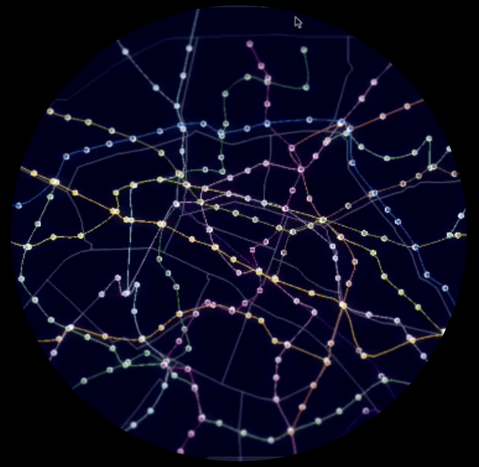


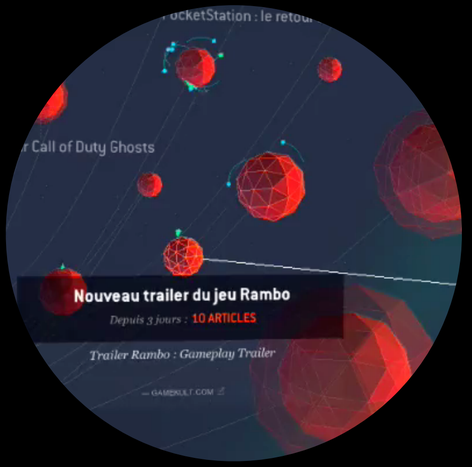


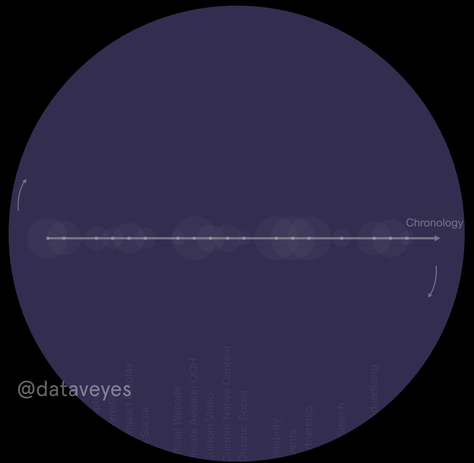


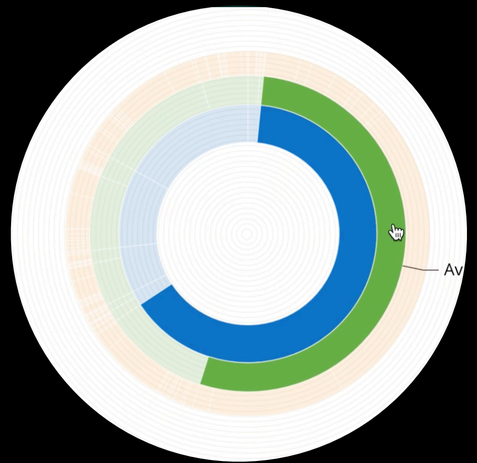


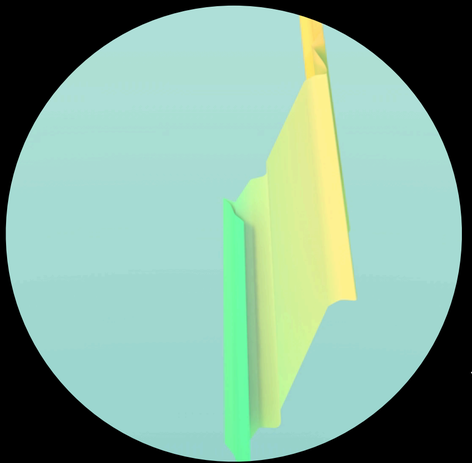






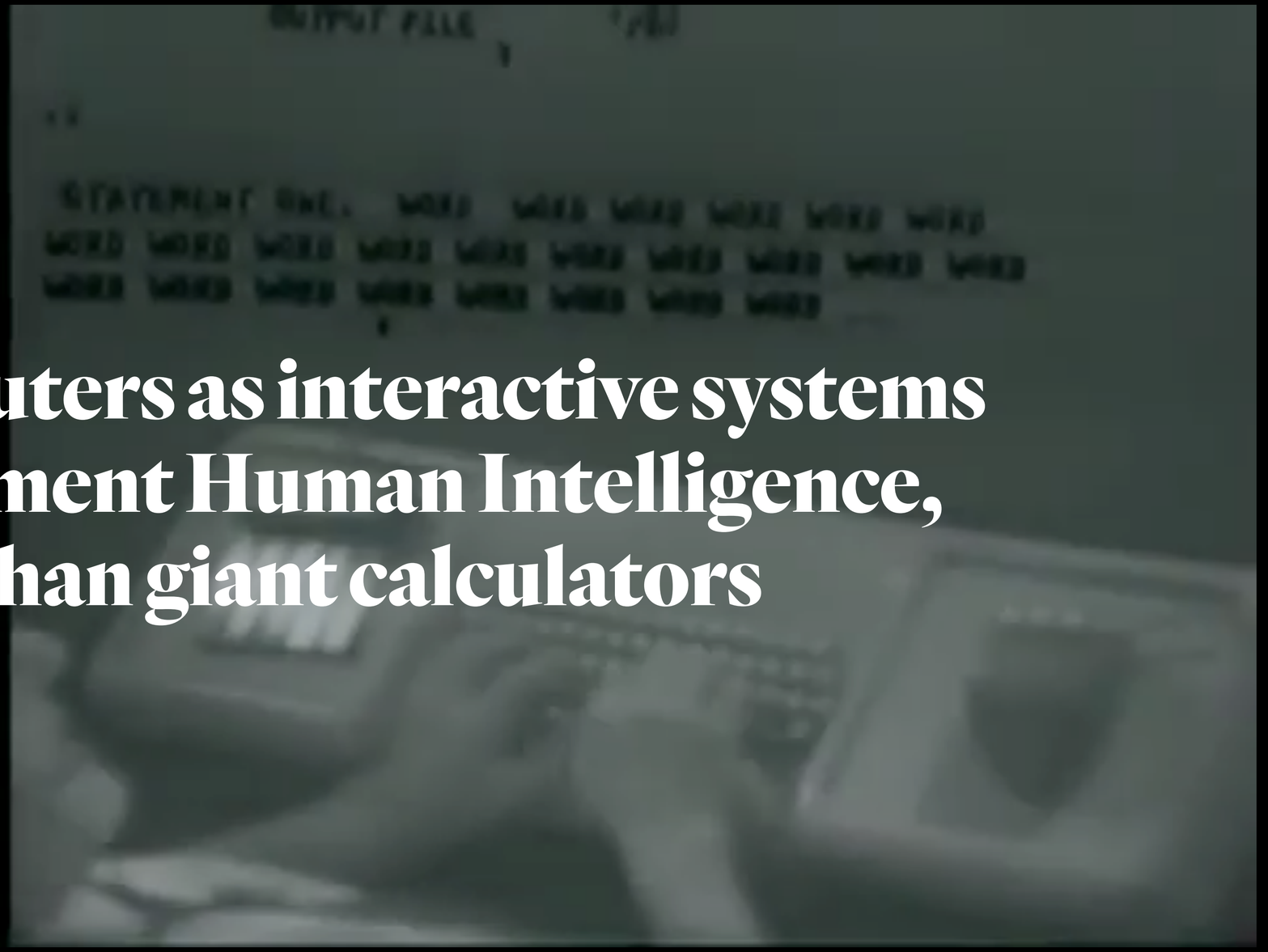






@dataveyes

Computers as interactive systems to augment Human Intelligence, more than giant calculators



The Mother of All Demos - Douglas Engelbart 1968 - fschnell on YouTube

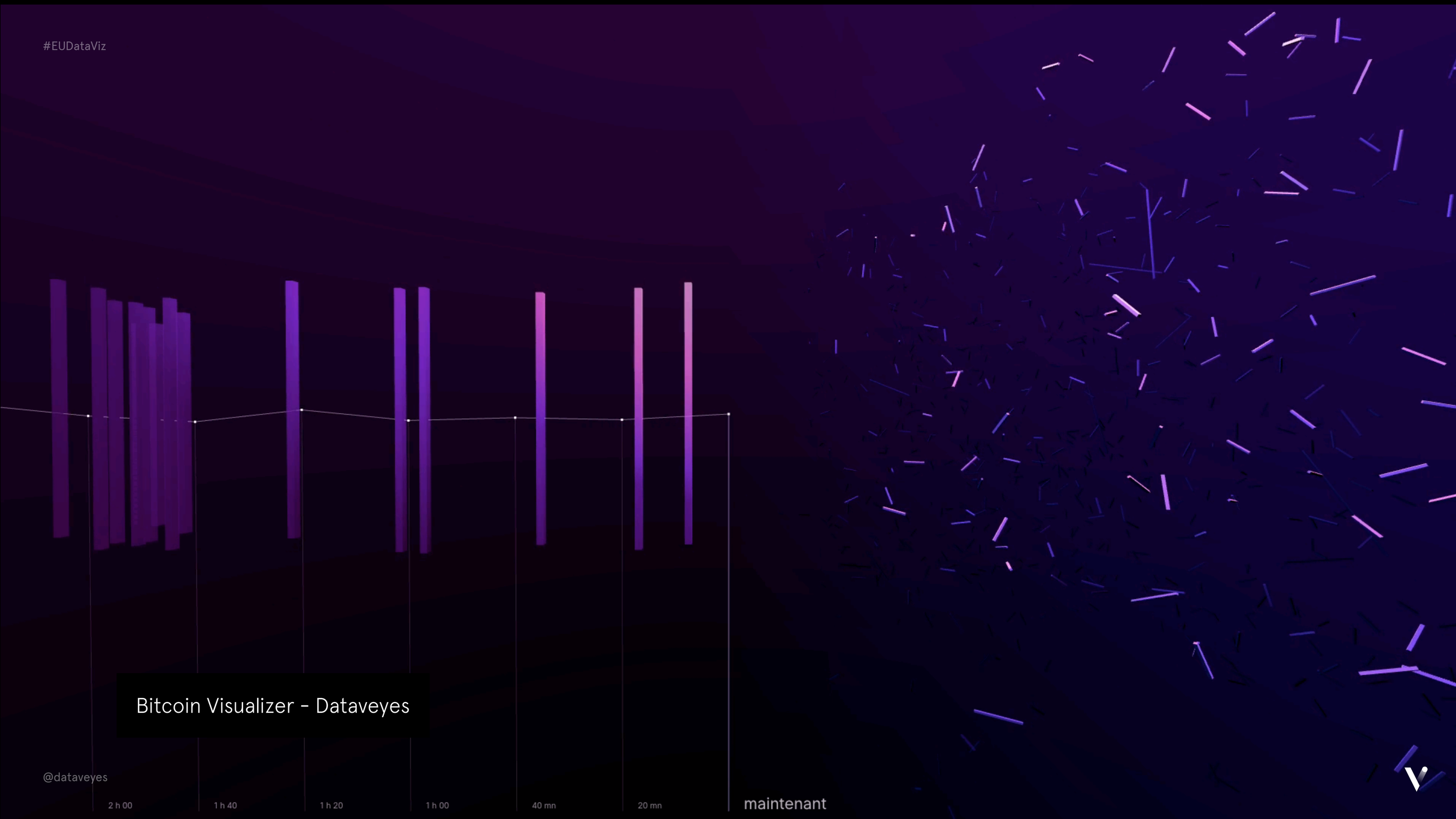
I.

Types of visualization

Make visible what is out of our sight

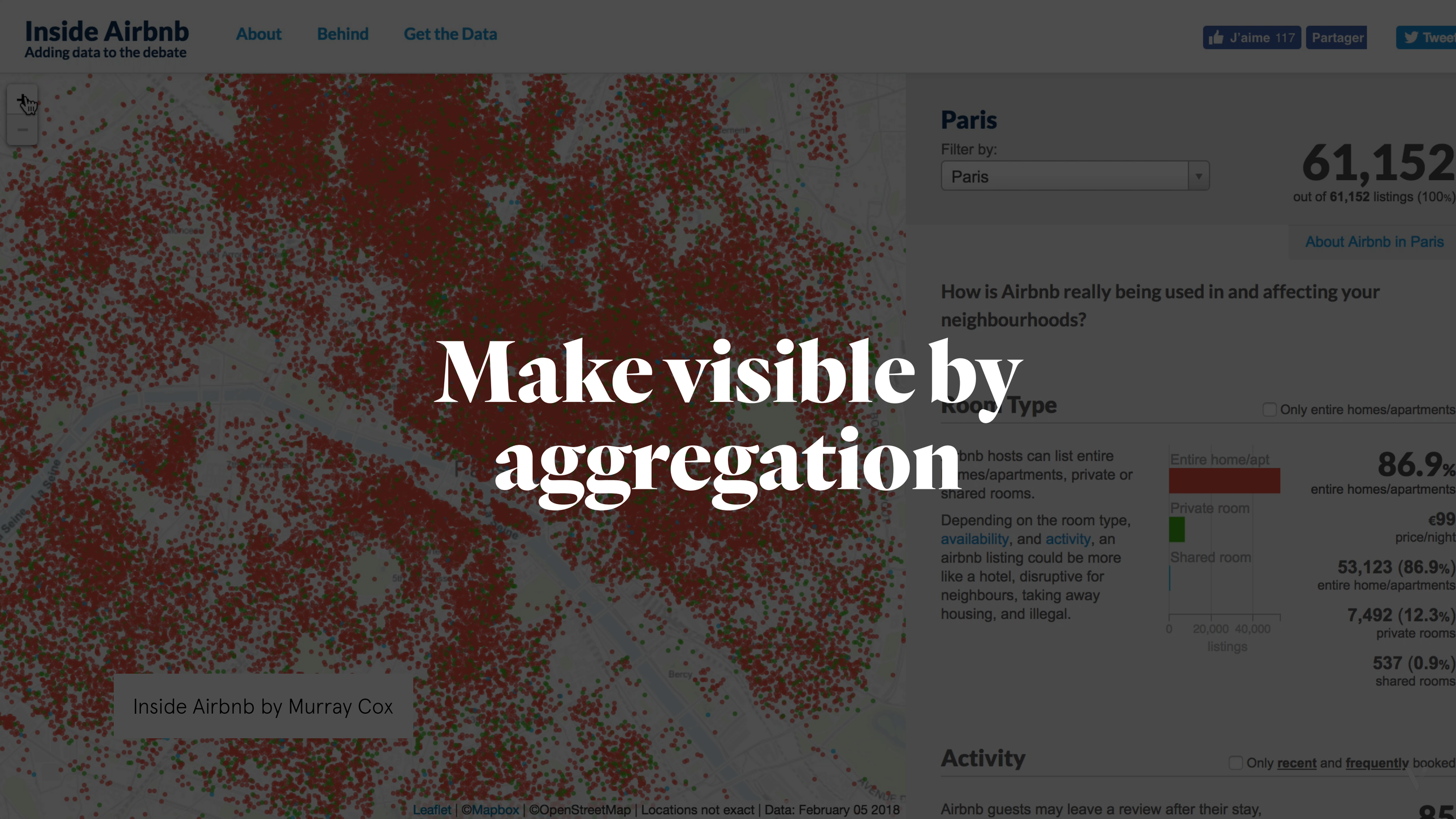
The Architecture of Radio by Richard Vijgen

#EUDataViz



Bitcoin Visualizer - Dataveyes

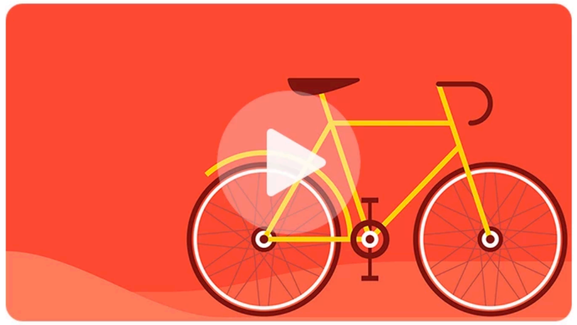
@dataveyes


Inside Airbnb
Adding data to the debate
About
Behind
Get the Data
J'aime 117
Partager
Tweet
Paris
Filter by:
Paris
61,152
out of 61,152 listings (100%)
About Airbnb in Paris
How is Airbnb really being used in and affecting your neighbourhoods?
Room Type
Only entire homes/apartments
bnb hosts can list entire
mes/apartments, private or
shared rooms.
Depending on the room type, availability, and activity, an airbnb listing could be more like a hotel, disruptive for neighbours, taking away housing, and illegal.
Entire home/apt
Private room
Shared room
0
20,000
40,000
listings
86.9%
entire homes/apartments
€99
price/night
53,123 (86.9%)
entire home/apartments
7,492 (12.3%)
private rooms
537 (0.9%)
shared rooms
Activity
Only recent and frequently booked
Airbnb guests may leave a review after their stay,
Make visible by aggregation
Inside Airbnb by Murray Cox
Leaflet | ©Mapbox | ©OpenStreetMap | Locations not exact | Data: February 05 2018

●●○○○ AT&T LTE 9:33 AM

Health Data **Activity**

Sit less. Move more. Get some exercise.



Today

Flights Climbed 1 floor
Today, 9:17 AM

Steps 2,602 steps
Today, 9:22 AM

Walking + Running Distance 1.4 mi

Health Data

Apple - Health App

●●○○○ AT&T LTE 9:33 AM

Activity **Steps** +

Day | Week | Month | Year

Steps
Daily Average: 5,743
2,602 steps
Today, 9:22 AM

Add to Favorites

Show All Data

Data Sources & Access

Unit Steps

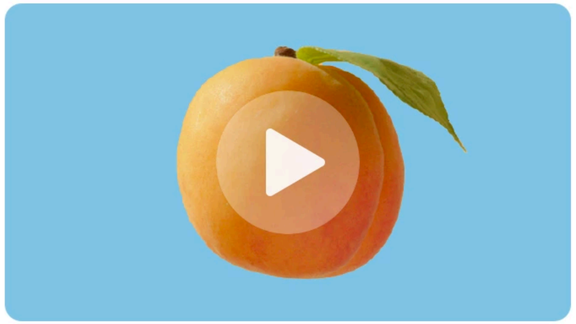
Apps for Tracking Steps

Health Data | Today | Sources | Medical ID

●●○○○ AT&T LTE 9:33 AM

Health Data **Nutrition**

Eat more real food. Eat less junk food. Mind the amount.



This Week

Carbohydrates 46 g
Yesterday, 8:00 PM

Dietary Energy 381 Cal
Yesterday, 8:00 PM

Dietary Sugar 20.3 g

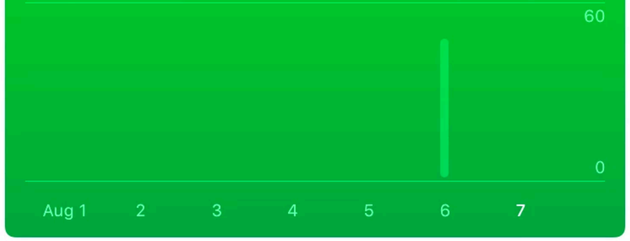
Health Data | Today | Sources | Medical ID

●●○○○ AT&T LTE 9:34 AM

Nutrition **Carbohydrates** +

Day | Week | Month | Year

Carbohydrates
Daily Average: 46
46 g
Yesterday, 8:00 PM



Add to Favorites

Show All Data

Data Sources & Access

Unit g

Apps for Tracking Carbohydrates

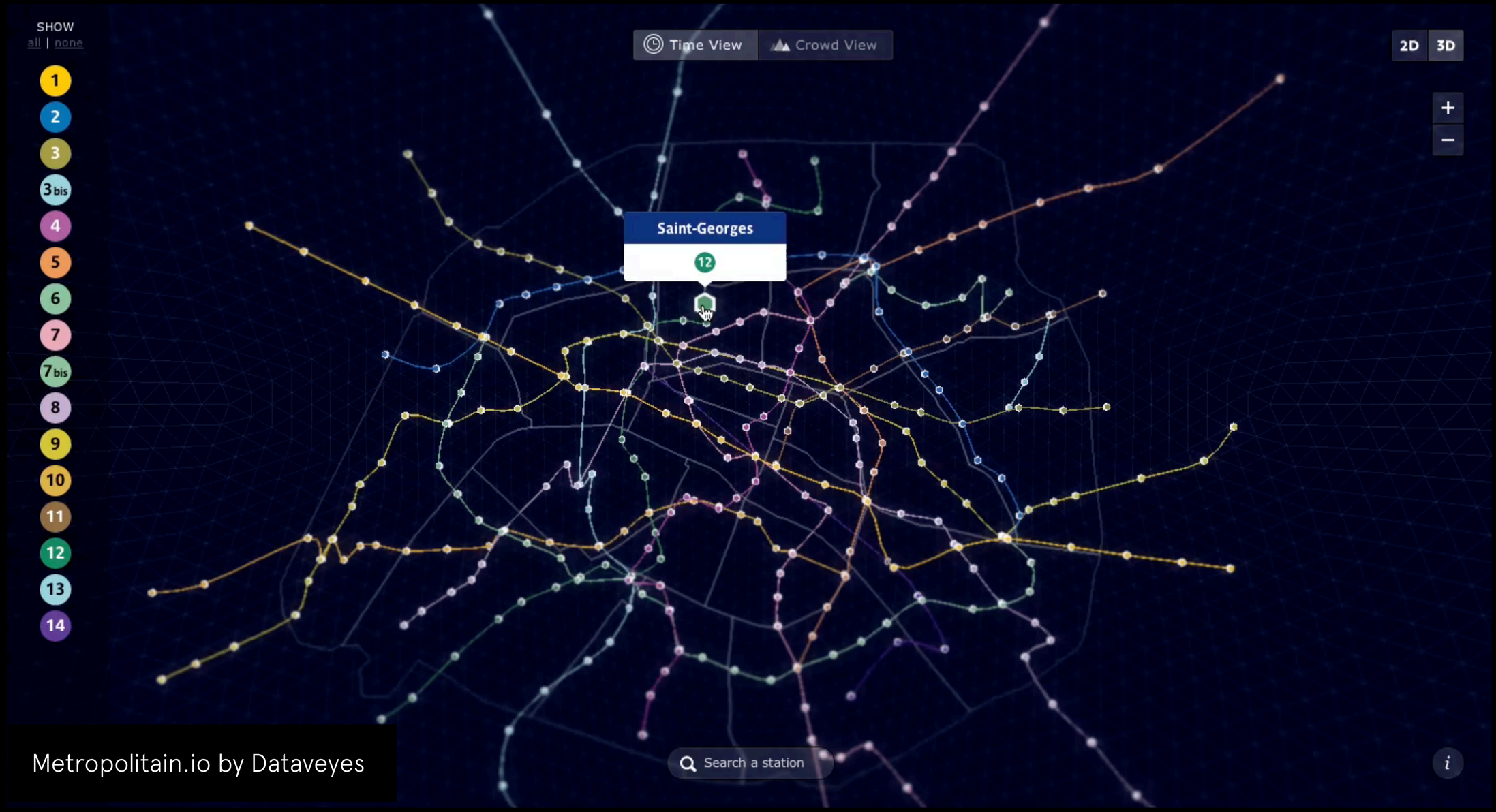
Health Data | Today | Sources | Medical ID

Aug 20, 2007

Make visible by spatial arrangement

OrgOrgChart by Autodesk Research

2007 | 2008 | 2009 | 2010 | 2011



Metropolitain.io by Dataveyes

Nathan Ruser
@Nrg8000
Suivre
Strava released their global heatmap. 13 trillion GPS points from their users (turning off data sharing is an option). medium.com/strava-enginee … … It looks very pretty, but not amazing for Op-Sec. US Bases are clearly identifiable and mappable
Traduire le Tweet
19:24 - 27 janv. 2018
2 301 Retweets 2 679 J'aime
Make visible what was not expected

II.

Collective personal data

Collecting and sharing data to enrich the collective knowledge

Datacanvas

III.

From smart cities to cognitives cities

Cognitive cities learn from interactions with their inhabitants

Commute Beta

Change view mode

Show metro stations

Help

Metro line: M4 M5 M6 M1 M7 M9

00 dB

45 dB 98 dB

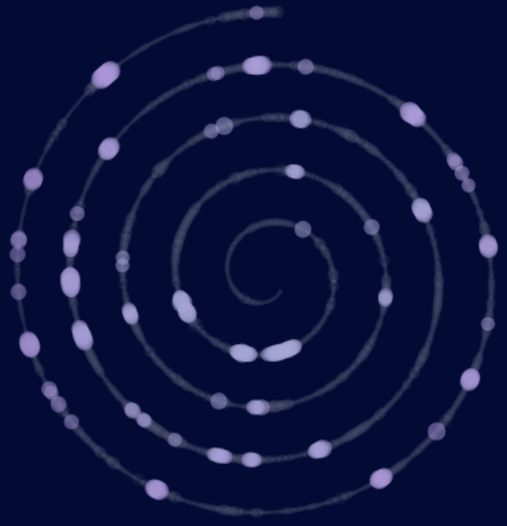
0 min

Commute by Dataveyes

According to th
time in noisy en
calculated the cumulative exposure time above 80 dB (equivalent to the noise of a lawn mower) and we encoded these values on the color. Source

00:00:00

M4 – 4 min accumulated over 80 dB



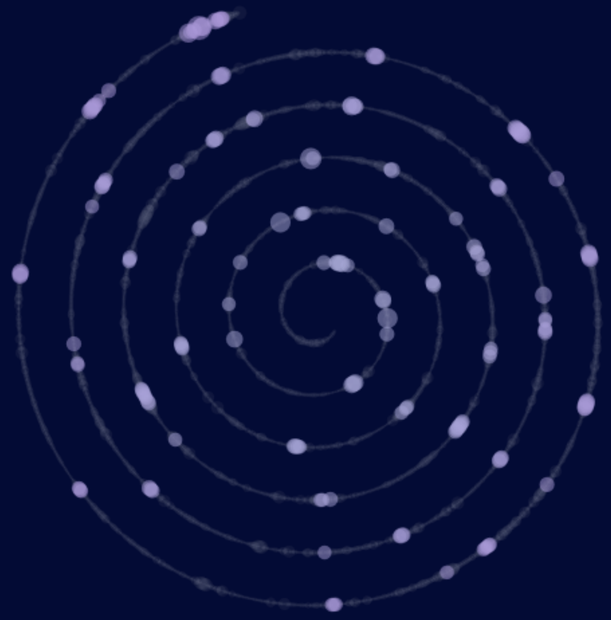
M5 – 2 min accumulated over 80 dB

M6 –12 min accumulated over 80 dB

M1 – 13 min accumulated over 80 dB

Commute by Dataveyes

M7 – 6 min accumulated over 80 dB



M9 – 2 min accumulated over 80 dB

March 5, 2018 - March 11, 2018

SET 3D VIEW

HEIGHT AXIS

Average speed - journey

FILTER JOURNEYS

DEPARTURE TIME: 00:00 – 00:00

TRAVELLED DISTANCE: 0KM – 713.7KM

DEPARTURE CITY

All cities

ARRIVAL CITY

All cities

FILTER SEGMENTS

AVERAGE SPEED: 0KM/H –192KM/H

ROAD TYPE:

All segments

IA → AI

Intelligence Augmentation

Artificial Intelligence

Will we still need data visualization in the future?

Thanks

Follow us on Twitter @dataveyes

Contact me at caroline@dataveyes.com