

LA REPRÉSENTATION VISUELLE DES DONNÉES (Data-visualisation)

Transfo session #5
14,15,16 Mars 2017



"La Data Visualisation représente toutes les techniques permettant de présenter les données sous forme visuelle (graphique, carte, frise historique...) afin d'en faciliter la compréhension."

Napoléon aurait dit "Un bon croquis vaut mieux qu'un long discours".

Carte Figurative des pertes successives en hommes de l'Armée Française dans la campagne de Russie 1812-1813.

Dressée par M. Minard, Inspecteur Général des Ponts et Chaussées en retraite Paris, le 20 Novembre 1869.

Les nombres d'hommes présents sont représentés par les largeurs des zones colorées à raison d'un millimètre pour dix mille hommes; ils sont de plus écrits en travers des zones. Le rouge désigne les hommes qui ont été en Russie, le noir ceux qui en sont sortis. — Les renseignements qui ont servi à dresser la carte ont été puisés dans les ouvrages de M. M. Chiers, de Ségur, de Fezensac, de Chambray et le journal inédit de Jacob, pharmacien de l'Armée depuis le 28 Octobre. Pour mieux faire juger à l'œil la diminution de l'armée, j'ai supposé que les corps du Prince Jérôme et du Maréchal Davoust qui avaient été détachés sur Minsk et Mohilow et ont rejoint vers Orscha et Witebsk, avaient toujours marché avec l'armée.

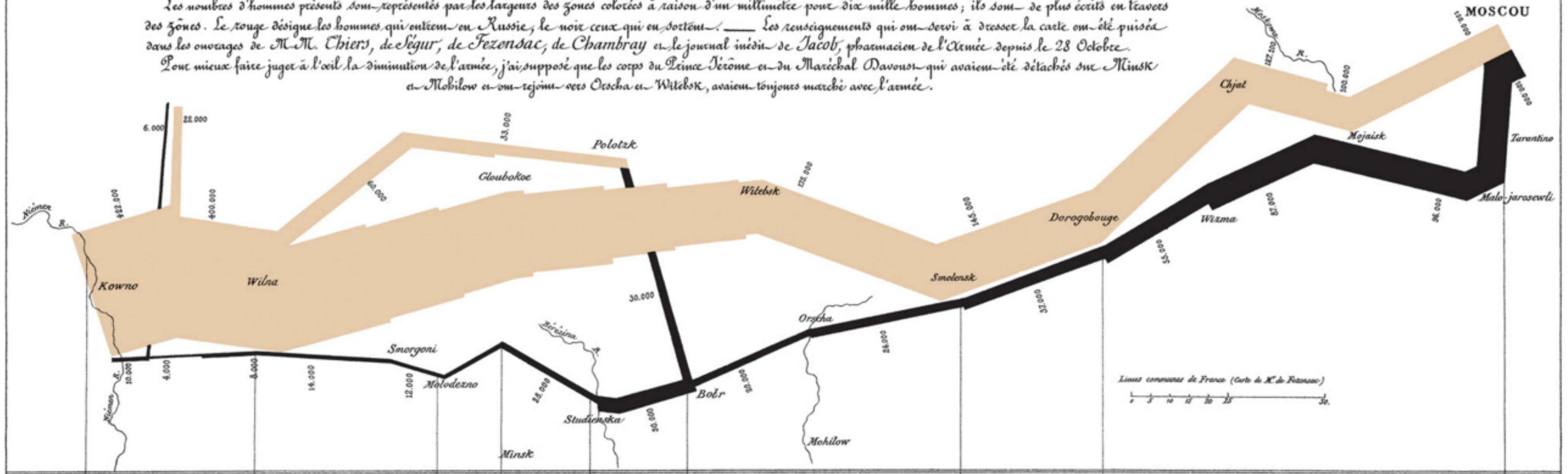
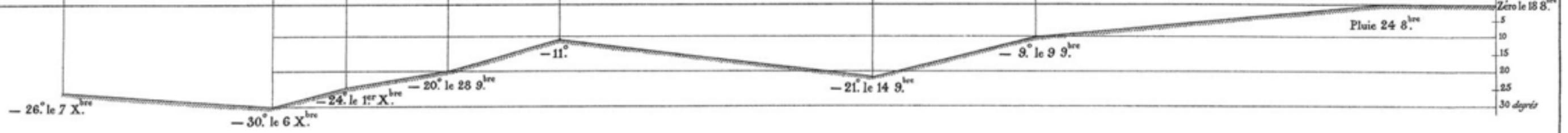


TABLEAU GRAPHIQUE de la température en degrés du thermomètre de Réaumur au dessous de zéro.



Les Cosaques passent au galop le Niemen gelé.

WATER FOOTPRINT

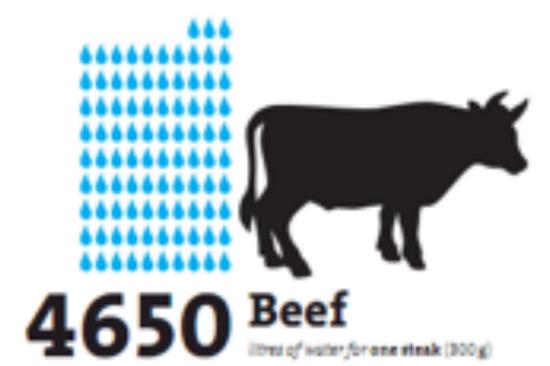
Virtual water embedded in products

→ For the full poster featuring many more products and in-depth information, visit: www.virtualwater.eu

One more (shown in the illustrations) is equivalent to 50 litres of virtual water (production site definition). All figures shown on this poster are based on exemplary calculations and may vary depending on the origin and production process of the product.

The water footprint of a product (a commodity, good or service) is the volume of freshwater used to produce the product, measured at the place where the product was actually made. It refers to the amount of the water used in the various steps of the production chain.

sets: Hoekstra, A.J.; Chapagain, A.K. (2008) Globalization of water: Sharing the planet's freshwater resources. Blackwell Publishing, Oxford, UK. www.waterfootprint.org
 session: Timon Kokenis, www.virtualwater.eu
 sponsors: Thalana and Thelord, Lucja de Groot



WHO IS COMING TO AMERICA?

Immigration may have taken a back seat during the financial crisis, but the issue still needs resolving. While illegal immigrants sneaking over the border is still a primary concern, it's good to know who came to our country legally, and

from where. This is a look at the 20 countries from which the most people came to America in 2008, how many immigrants already had family here, and how many received asylum when they arrived on our shores.

 **MEXICO**
 Total: **188,015**
 Immediate relatives of U.S. citizens: **111,448**
 Refugees & asylees: **614**

 **CHINA**
 Total: **75,410**
 Immediate relatives of U.S. citizens: **25,540**
 Refugees & asylees: **21,082**

 **INDIA**
 Total: **59,728**
 Immediate relatives of U.S. citizens: **18,271**
 Refugees & asylees: **3,475**

 **PHILIPPINES**
 Total: **52,391**
 Immediate relatives of U.S. citizens: **29,428**
 Refugees & asylees: **939**

 **CUBA**
 Total: **48,057**
 Immediate relatives of U.S. citizens: **3,113**
 Refugees & asylees: **42,160**

 **DOMINICAN REPUBLIC**
 Total: **31,801**
 Immediate relatives of U.S. citizens: **21,352**
 Refugees & asylees: **DATA WITHHELD**

 **VIETNAM**
 Total: **29,807**
 Immediate relatives of U.S. citizens: **12,096**
 Refugees & asylees: **1,462**

 **COLOMBIA**
 Total: **29,349**
 Immediate relatives of U.S. citizens: **14,835**
 Refugees & asylees: **7,909**

 **HAITI**
 Total: **25,522**
 Immediate relatives of U.S. citizens: **8,854**
 Refugees & asylees: **5,498**

 **CANADA**
 Total: **22,366**
 Immediate relatives of U.S. citizens: **8,536**
 Refugees & asylees: **188**

 **PAKISTAN**
 Total: **20,023**
 Immediate relatives of U.S. citizens: **8,227**
 Refugees & asylees: **1,317**

 **EL SALVADOR**
 Total: **18,937**
 Immediate relatives of U.S. citizens: **6,302**
 Refugees & asylees: **560**

 **JAMAICA**
 Total: **18,077**
 Immediate relatives of U.S. citizens: **11,754**
 Refugees & asylees: **22**

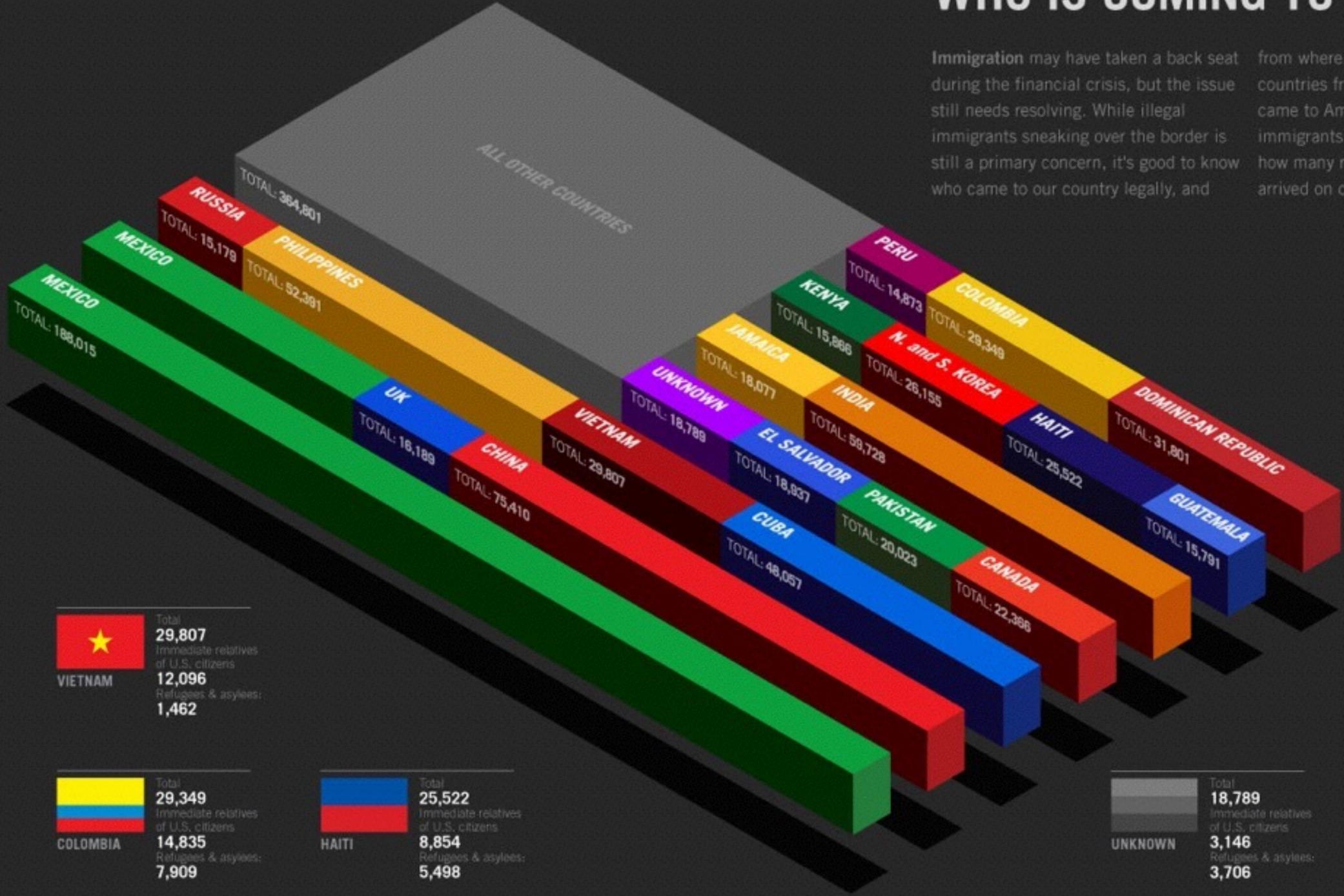
 **PERU**
 Total: **14,873**
 Immediate relatives of U.S. citizens: **9,733**
 Refugees & asylees: **799**

 **UNITED KINGDOM**
 Total: **16,189**
 Immediate relatives of U.S. citizens: **7,294**
 Refugees & asylees: **64**

 **KENYA**
 Total: **15,866**
 Immediate relatives of U.S. citizens: **2,411**
 Refugees & asylees: **11,353**

 **GUATEMALA**
 Total: **15,791**
 Immediate relatives of U.S. citizens: **8,255**
 Refugees & asylees: **886**

 **RUSSIA**
 Total: **15,179**
 Immediate relatives of U.S. citizens: **4,078**
 Refugees & asylees: **6,583**



AN ACCOUNTING OF THE YEAR IN

Music

ITUNES TRACKS PLAYED:

25,247

WWW.LAST.FM/USER/FELTRON

BEST ALBUMS:

IN RAINBOWS THE LOST TAKE PARADES

RADIOHEAD

DOSH

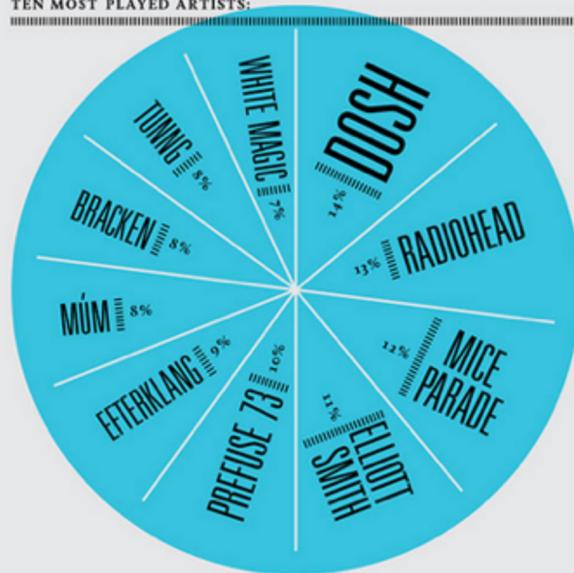
EFTERKLANG

BEST PODCAST:

RADIOLAB

WWW.RADIOLAB.ORG

TEN MOST PLAYED ARTISTS:



GEOGRAPHIC DISPOSITIONS OF THE FIFTY MOST-PLAYED ARTISTS:



BEST NEW ARTIST:

LE LOUP

WWW.MYSPACE.COM/LELOUPMUSIC

ALBUMS PURCHASED:

12 98 1

COMPACT DISCS

DOWNLOADS

RECORD

CONCERTS ATTENDED:

7

TUNG (2), THE BOOKS, MICE PARADE, INTERPOL & CAT POWER, BATTLES & PREFUSE 73, DEERHUNTER & BATTLES

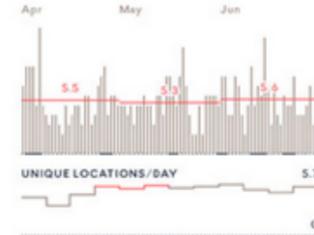
KARAOKE SONGS PERFORMED:

2

NAS: THIEF'S THEME & NOTORIOUS B.I.G.: GOING BACK TO CALI

Q2

Locations

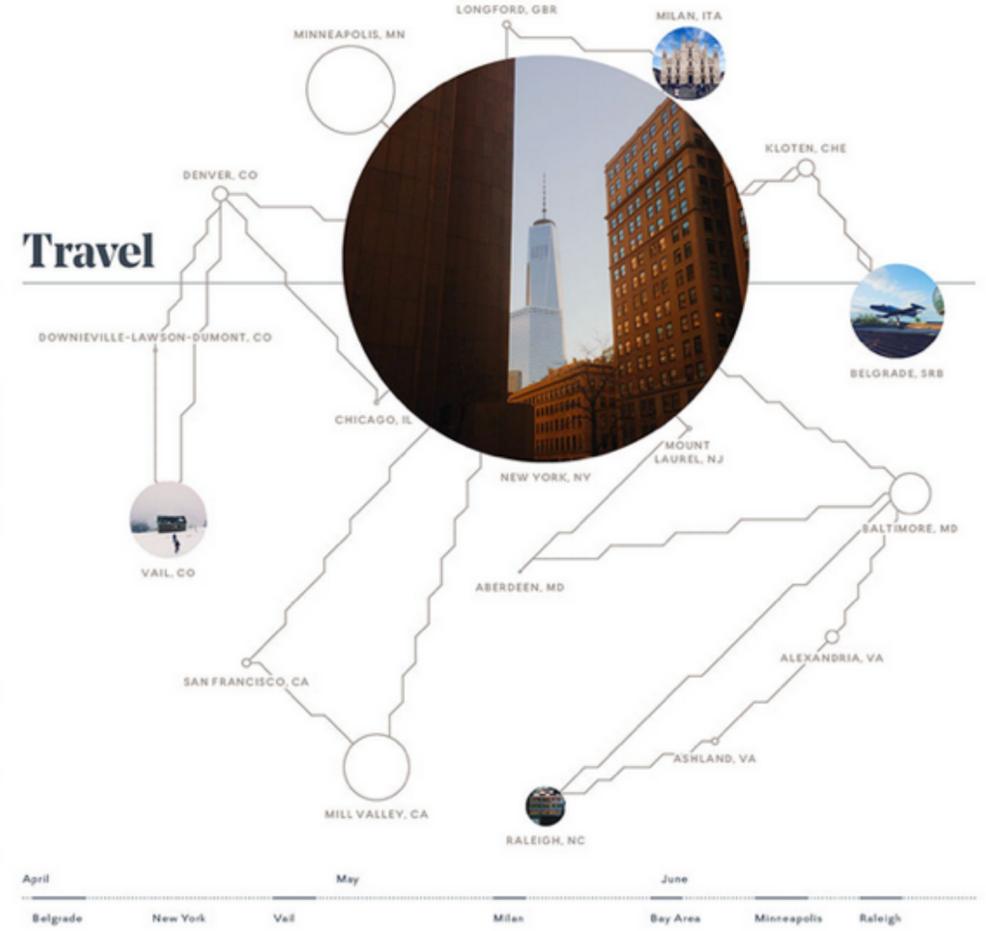


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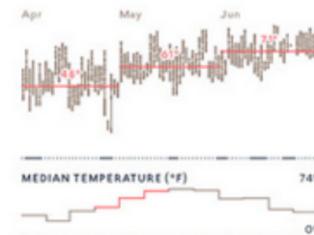
68 MORE LOCATIONS THAN PREVIOUS QUARTER

TOP CATEGORIES	DAYS AT HOME
Airport Gates: 18	74
American Restaurants: 10	17 days away
Coffee Shops: 9	
Airport Terminals: 8	
Hotels: 7	
MOST LOCATIONS	LONGEST VISIT
Apr. 6	Home
13 unique locations	Jun 28 for 16h 18m

Travel



Weather

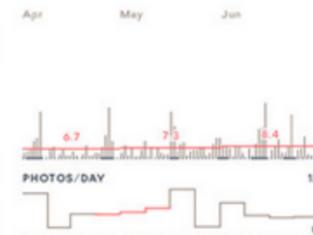


60°

23° WARMER THAN PREVIOUS QUARTER

TOP CONDITIONS	VARIATION IN TEMP
Clear: 44d	70°F
Overcast: 18d	Range: 18°-88°F
Mostly Cloudy: 11d	
Partly Cloudy: 6d	
Scattered Clouds: 5d	
PRECIPITATION	
5h 20m	
Snow for 36m	

Photos

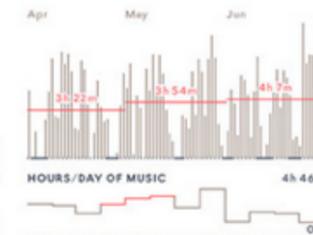


681

4 FEWER PHOTOS THAN PREVIOUS QUARTER

TOP LOCATIONS	MOST PHOTOS
Brooklyn: 237	Jun. 14
Belgrade: 49	38 photos in MN & NY
Milan: 52	
Minneapolis: 49	
Vail: 45	
INSTAGRAM POSTS	
Twenty-two	
3% of photos	

Music

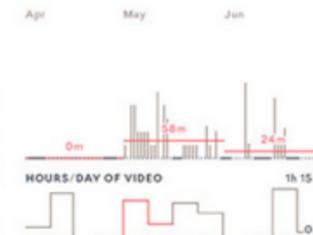


14.4

2.9 MORE DAYS THAN PREVIOUS QUARTER

TOP ARTISTS	SONGS PLAYED
Sharon Van Etten: 28h	5,008
LCD SoundSystem: 24h	Max: 132 on Jun 24
Bredford Cox: 18h	
Tom Vek: 16h	
Drake: 16h	
UNIQUE ALBUMS	
297	
1,630 unique songs	

Videos

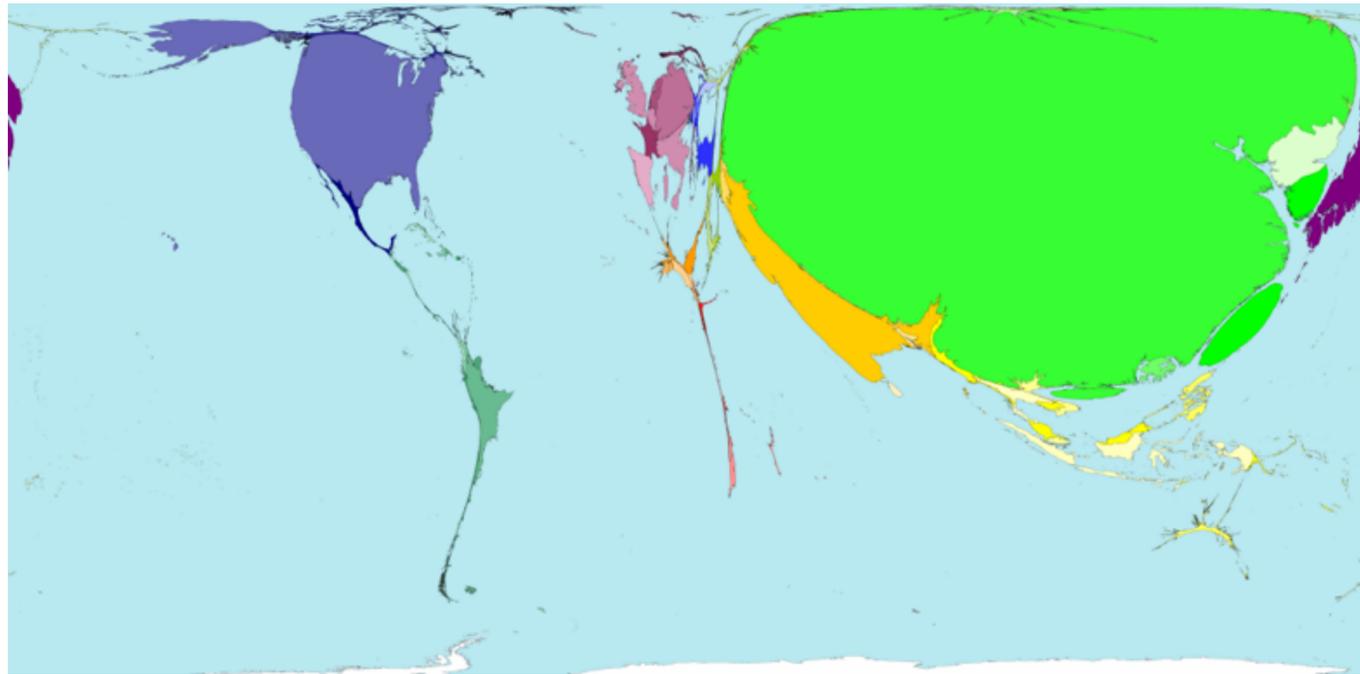


1.7

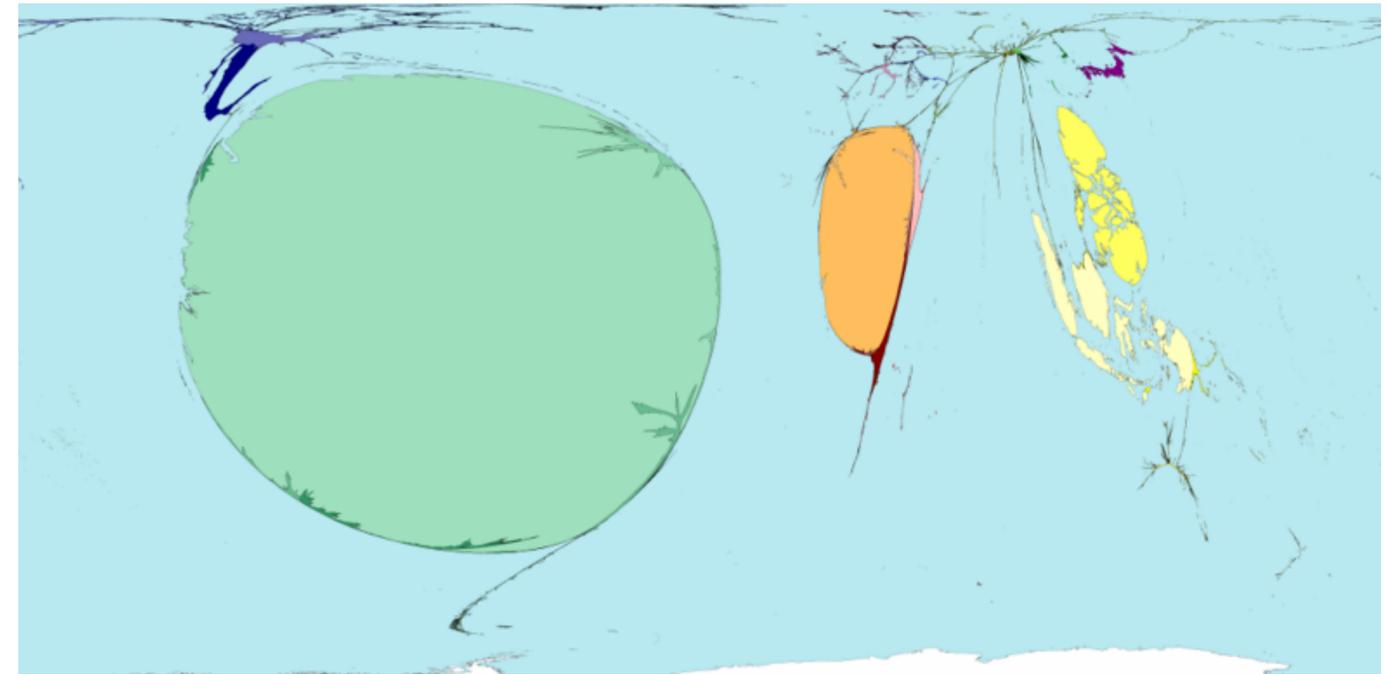
0.1 MORE DAYS THAN PREVIOUS QUARTER

TOP GENRES	VIDEOS WATCHED
Reality TV: 40h	Sixty-four
Drama: 1h	63 TV episodes, 1 movie
Sitcom: 22m	
TOP MOVIE RATING	
82%	
Gattaca	

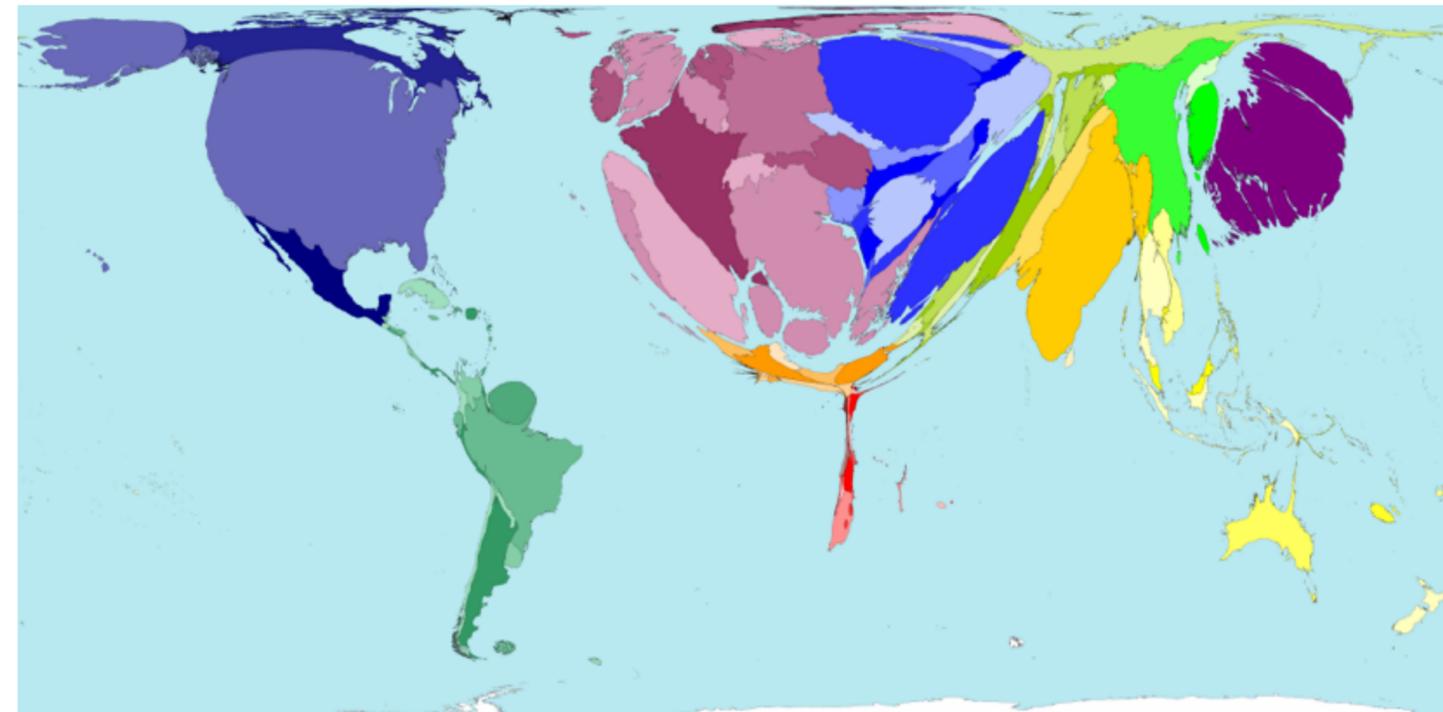
nombre de conteneurs chargés ou déchargés



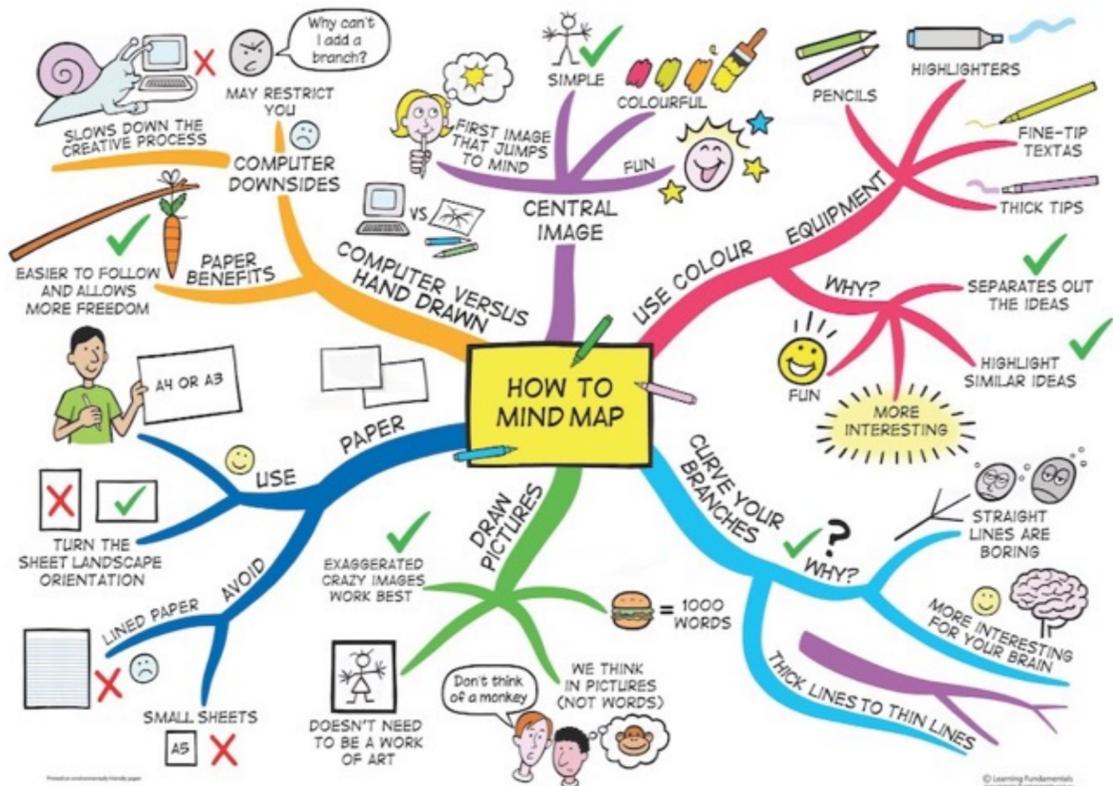
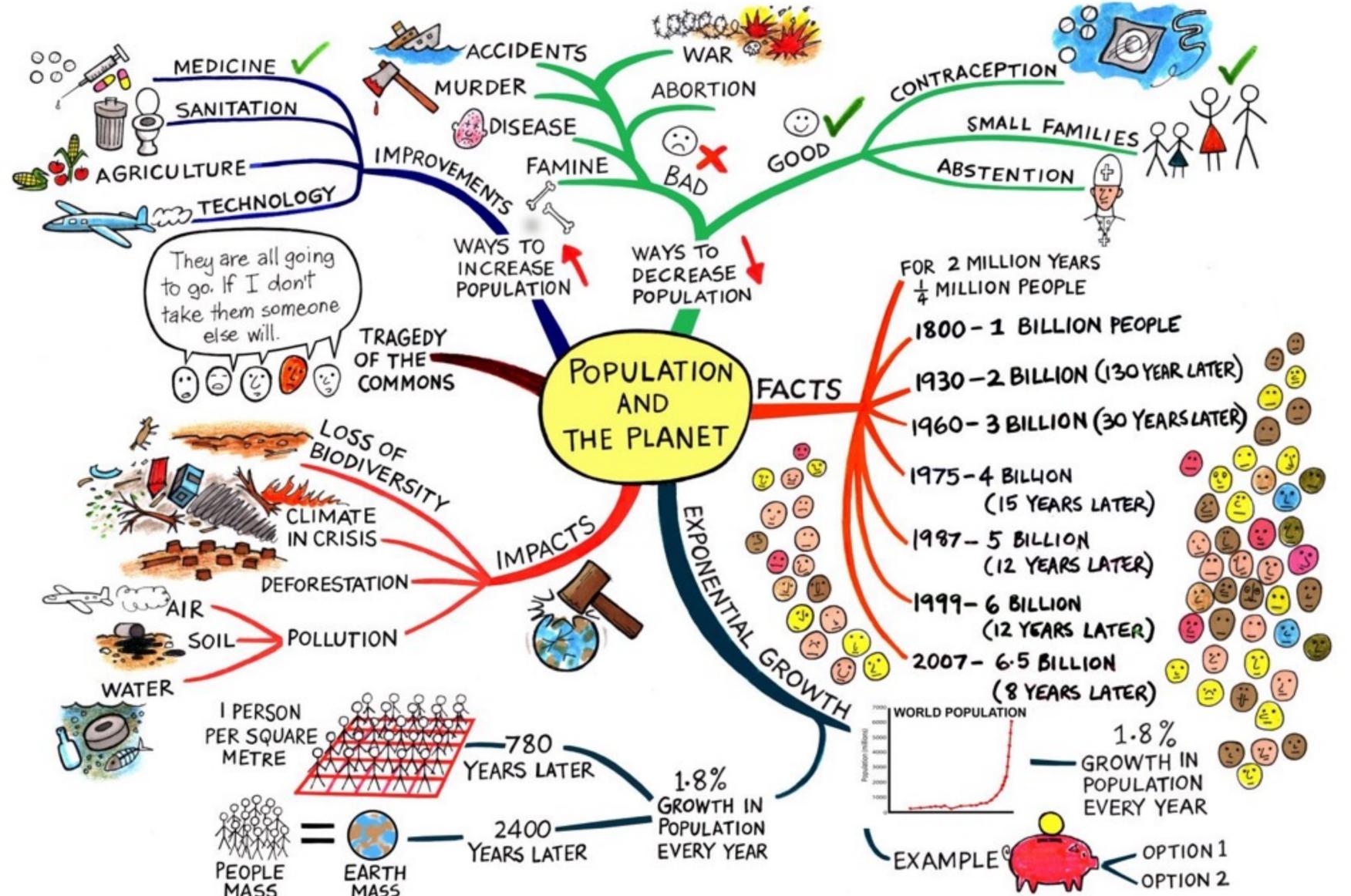
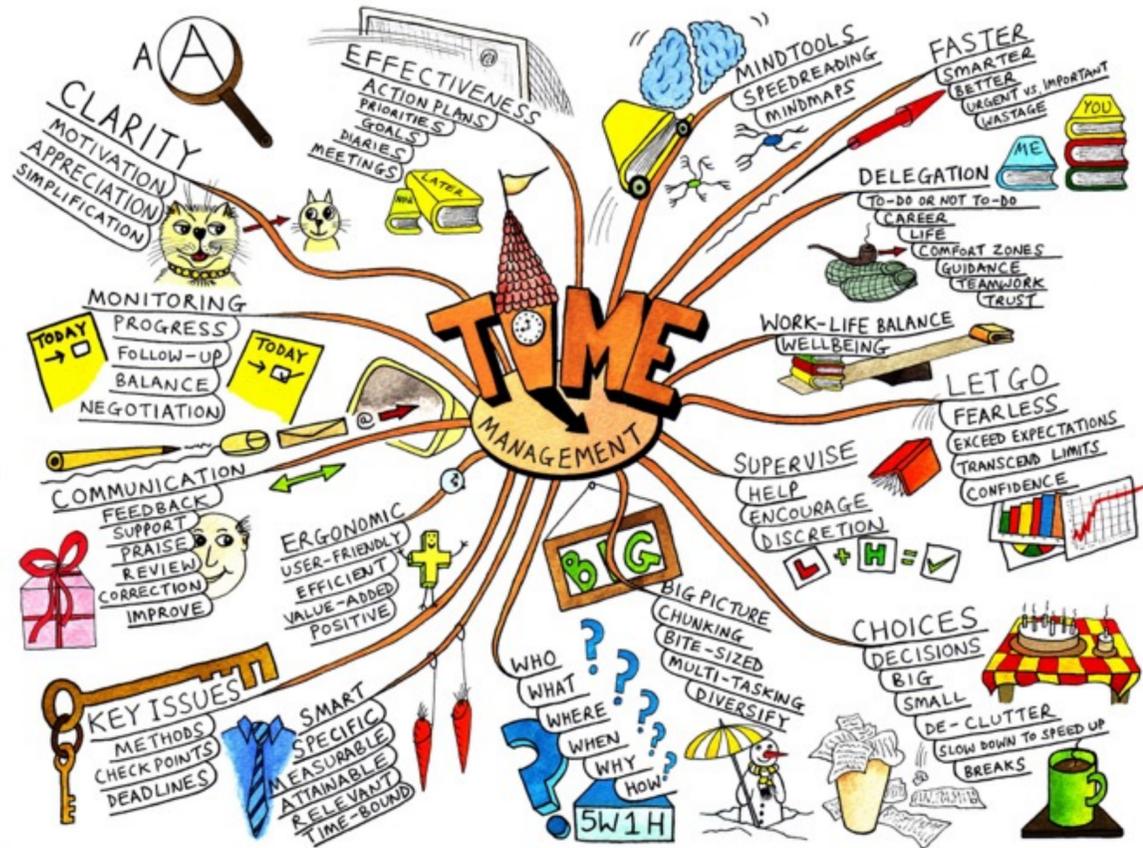
nombre de morts survenus à cause d'un volcan



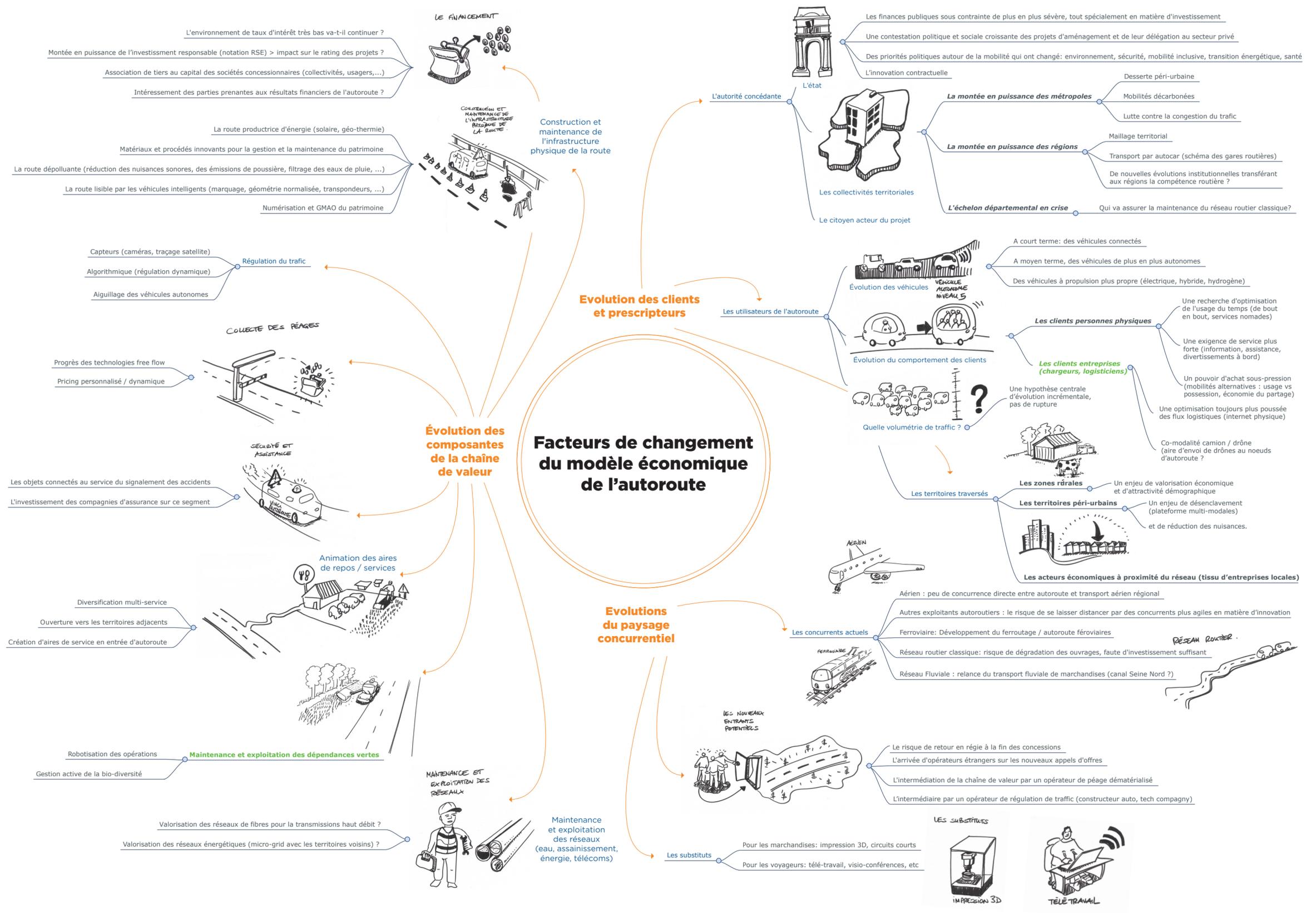
nombre de tracteurs en action



LES MIND MAP



Facteurs de changement du modèle économique de l'autoroute



ARBORESCENCE

