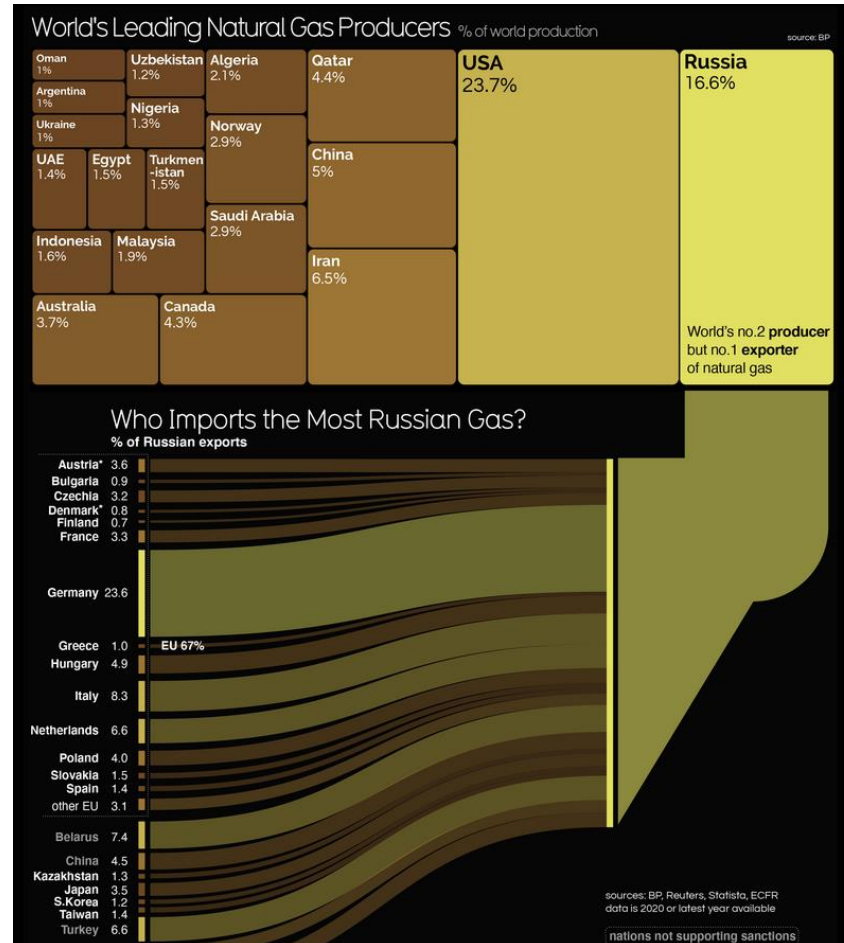


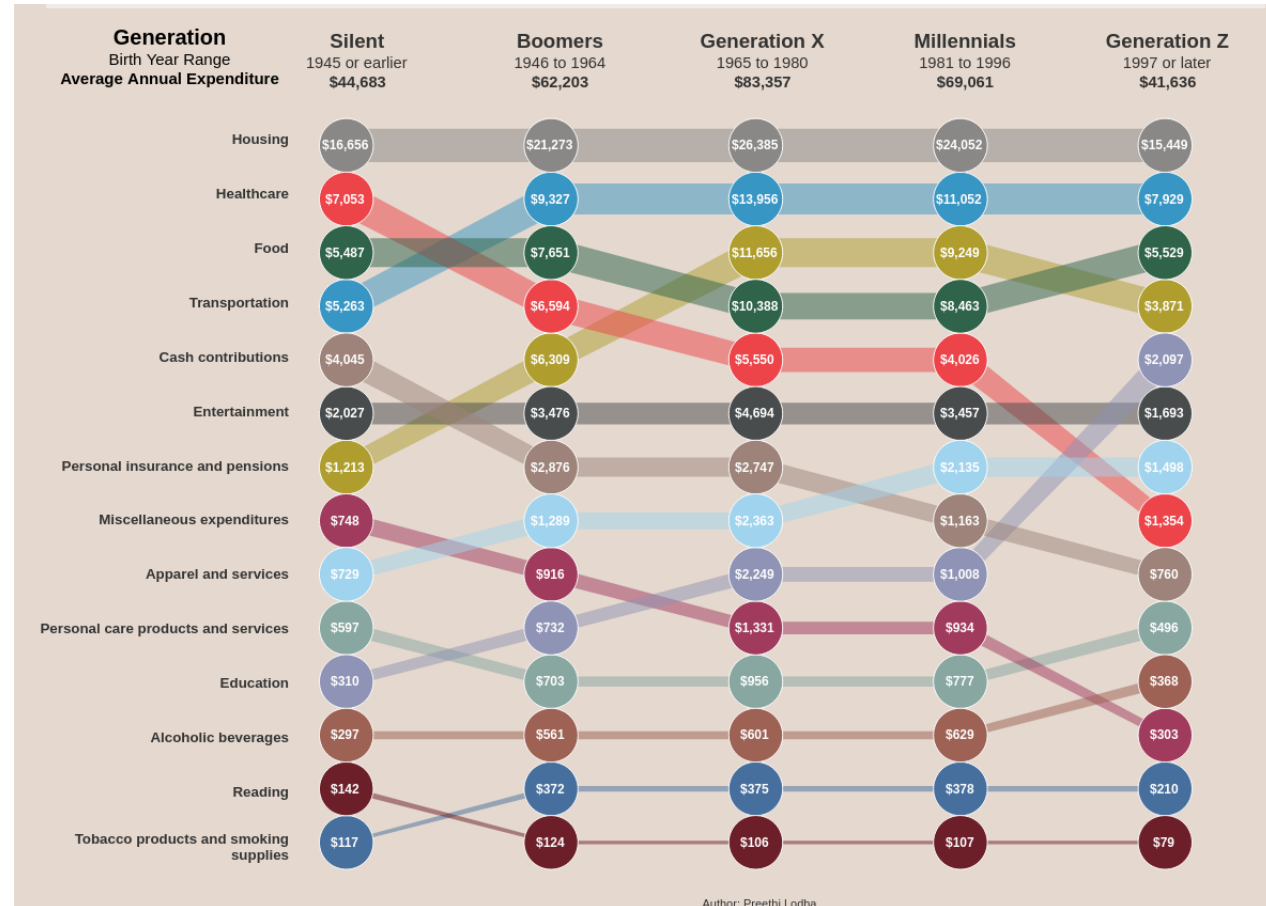
# Visualización

# ¿Para qué sirve?

Visualizar rápidamente información, cada vez más usado en medios



# ¿Para qué sirve?

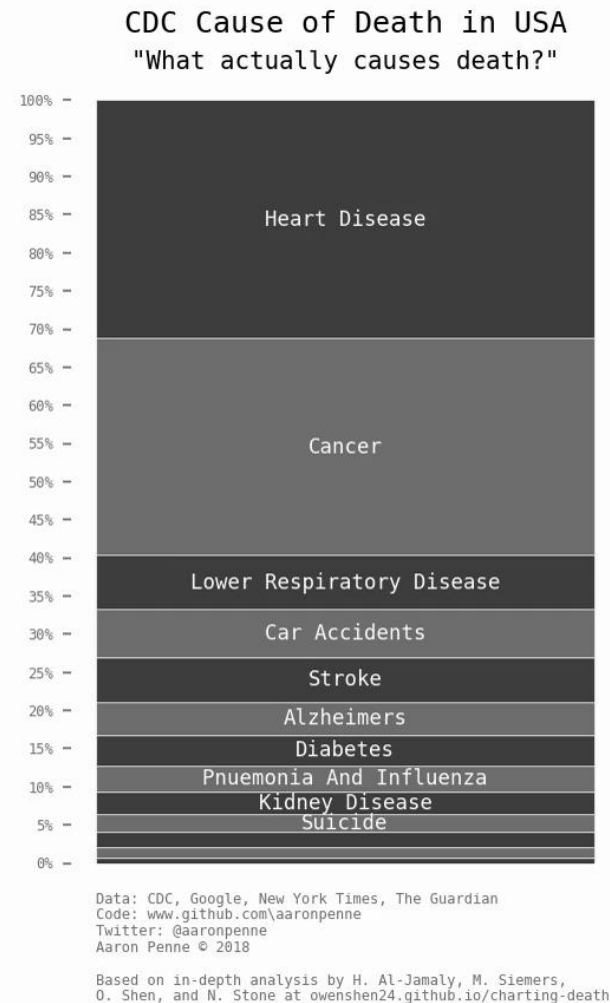


<https://www.visualcapitalist.com/cp/how-americans-spend-their-money-2022/>

En un artículo, pero interactivo y visible también usando Tableau

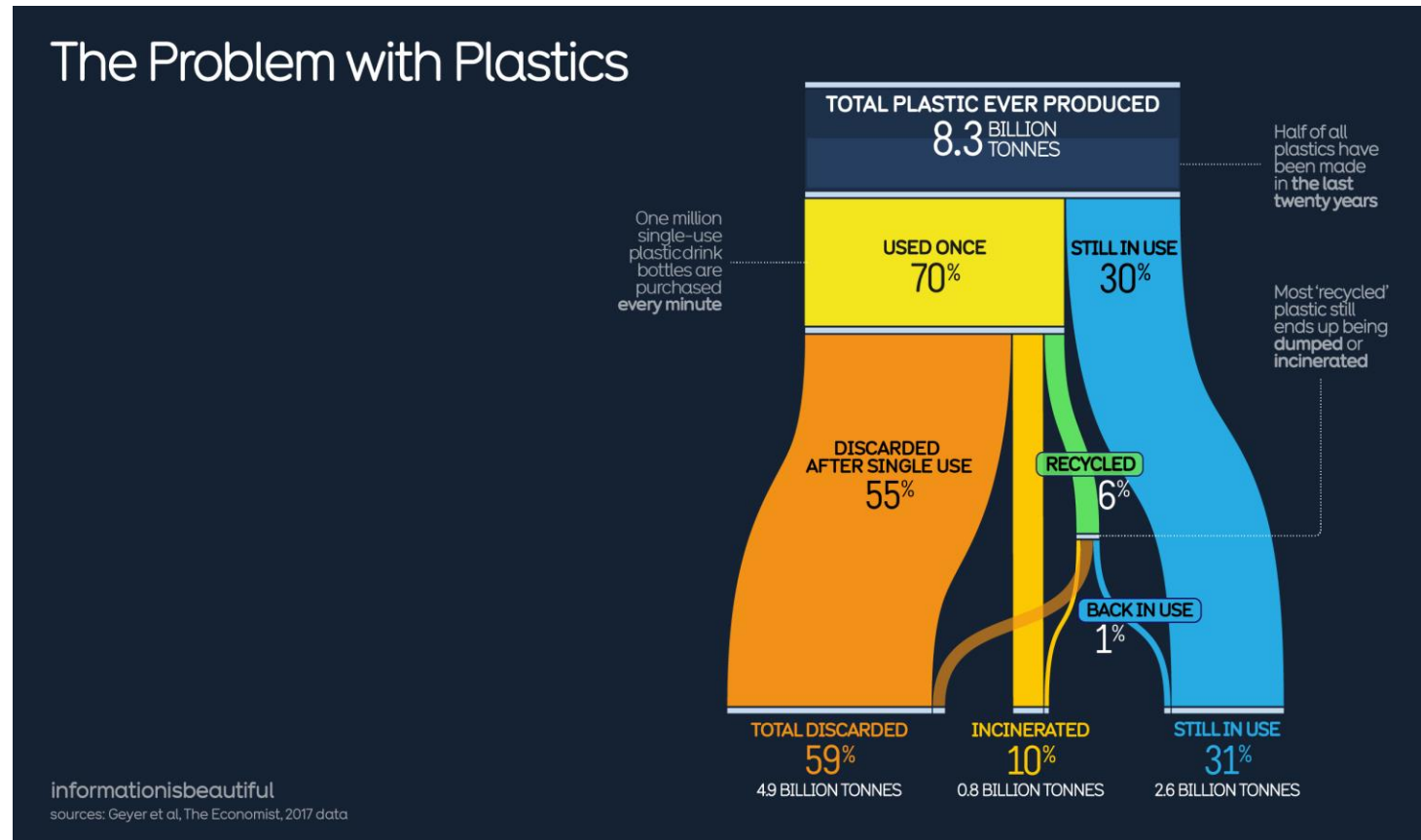
# ¿Para qué sirve?

Para contrastar la realidad:



# ¿Para qué sirve?

Para concienciar:

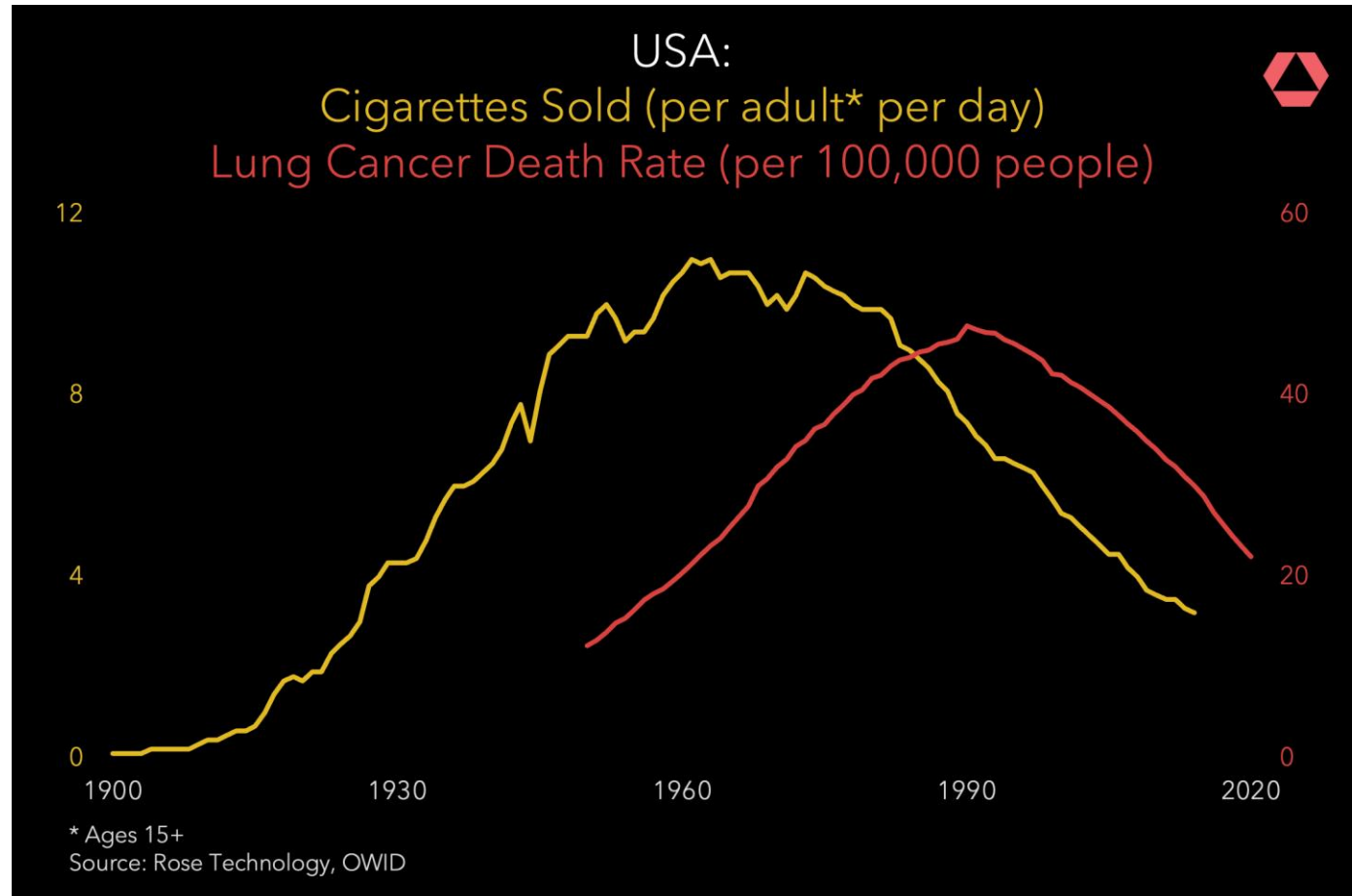


<https://informationisbeautiful.net/visualizations/the-problem-with-plastics-and-recycling-bioplastics-microplastics-ocean-waste/>



# ¿Para qué sirve?

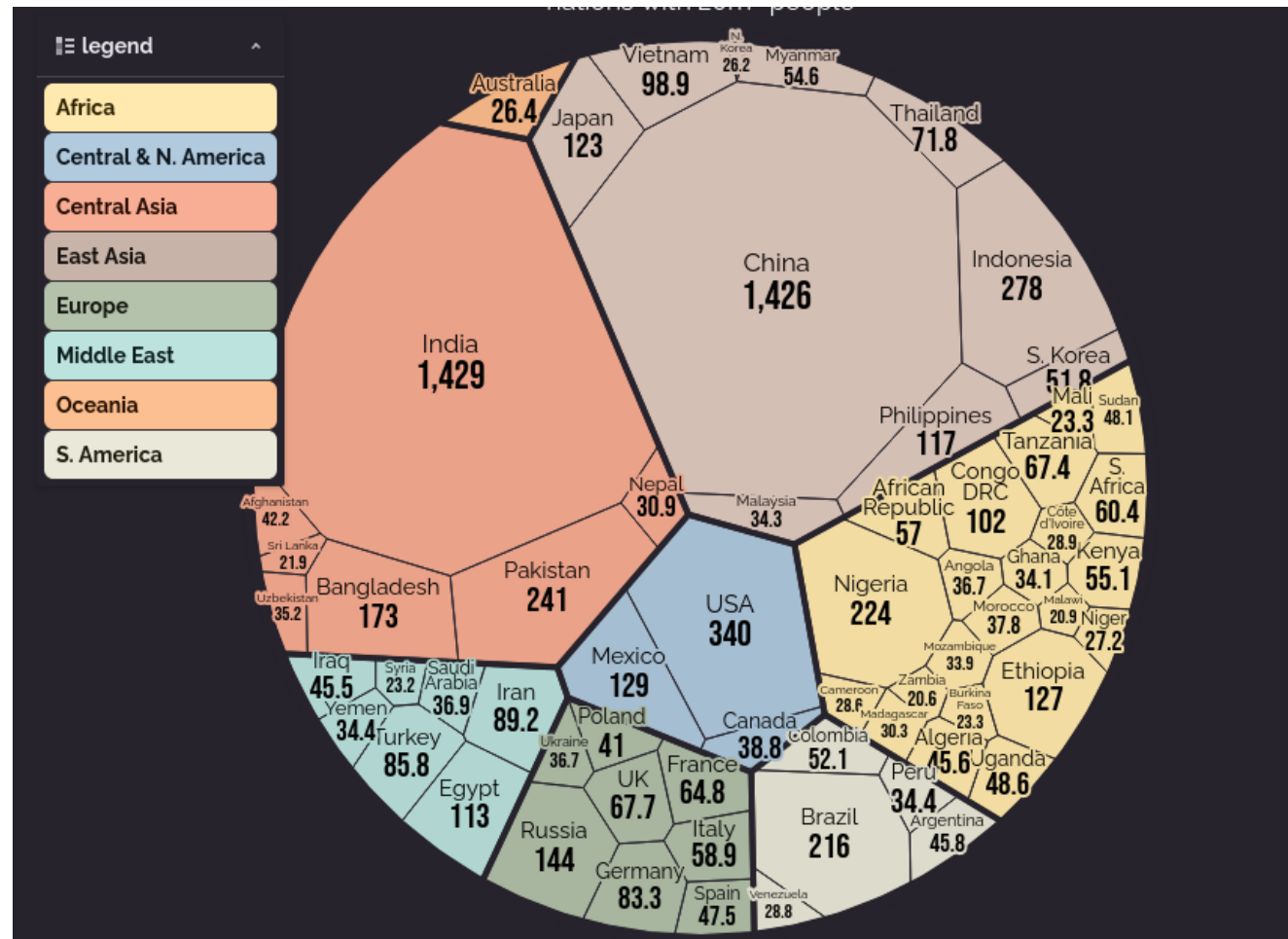
Para concienciar:



[https://www.reddit.com/r/dataisbeautiful/comments/y79iqk/usa\\_cigarettes\\_sold\\_v\\_lung\\_cancer\\_death\\_rates\\_oc/](https://www.reddit.com/r/dataisbeautiful/comments/y79iqk/usa_cigarettes_sold_v_lung_cancer_death_rates_oc/)

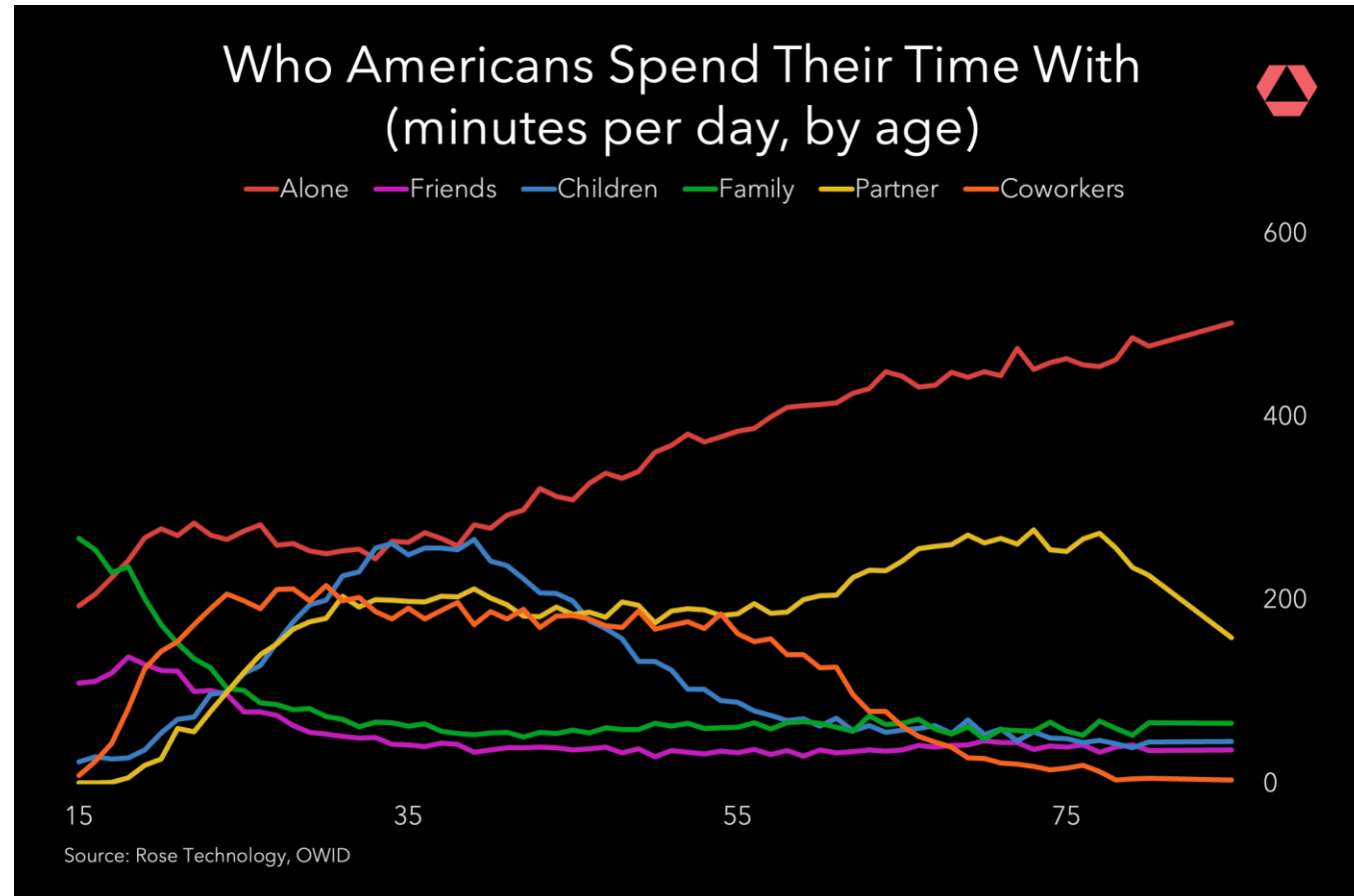
# ¿Para qué sirve?

Para concienciar: Población Mundial



# ¿Para qué sirve?

Para reflexionar:



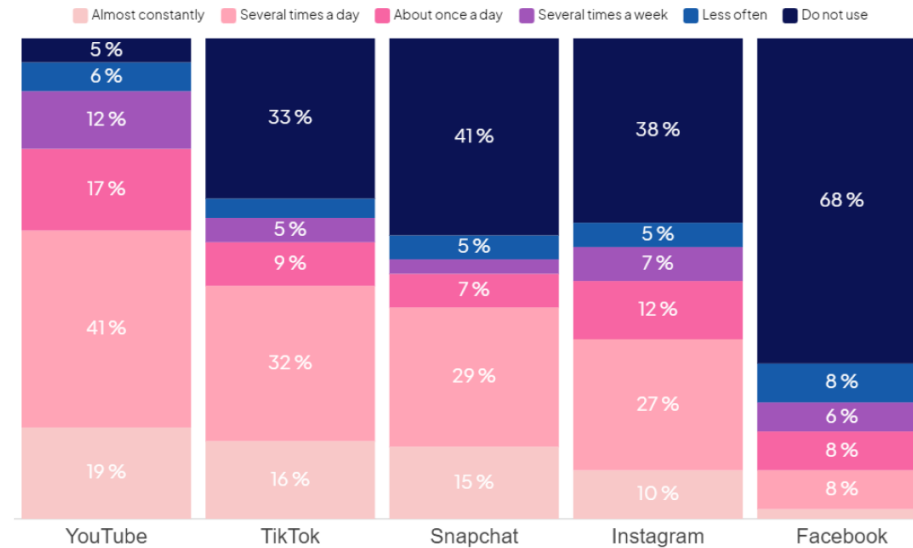
[https://www.reddit.com/r/dataisbeautiful/comments/ycc4dz/usa\\_who\\_do\\_we\\_spend\\_time\\_with\\_across\\_our/](https://www.reddit.com/r/dataisbeautiful/comments/ycc4dz/usa_who_do_we_spend_time_with_across_our/)



# ¿Para qué sirve?

Para reflexionar:

One-in-five teens (13–17) are almost constantly on **YouTube**



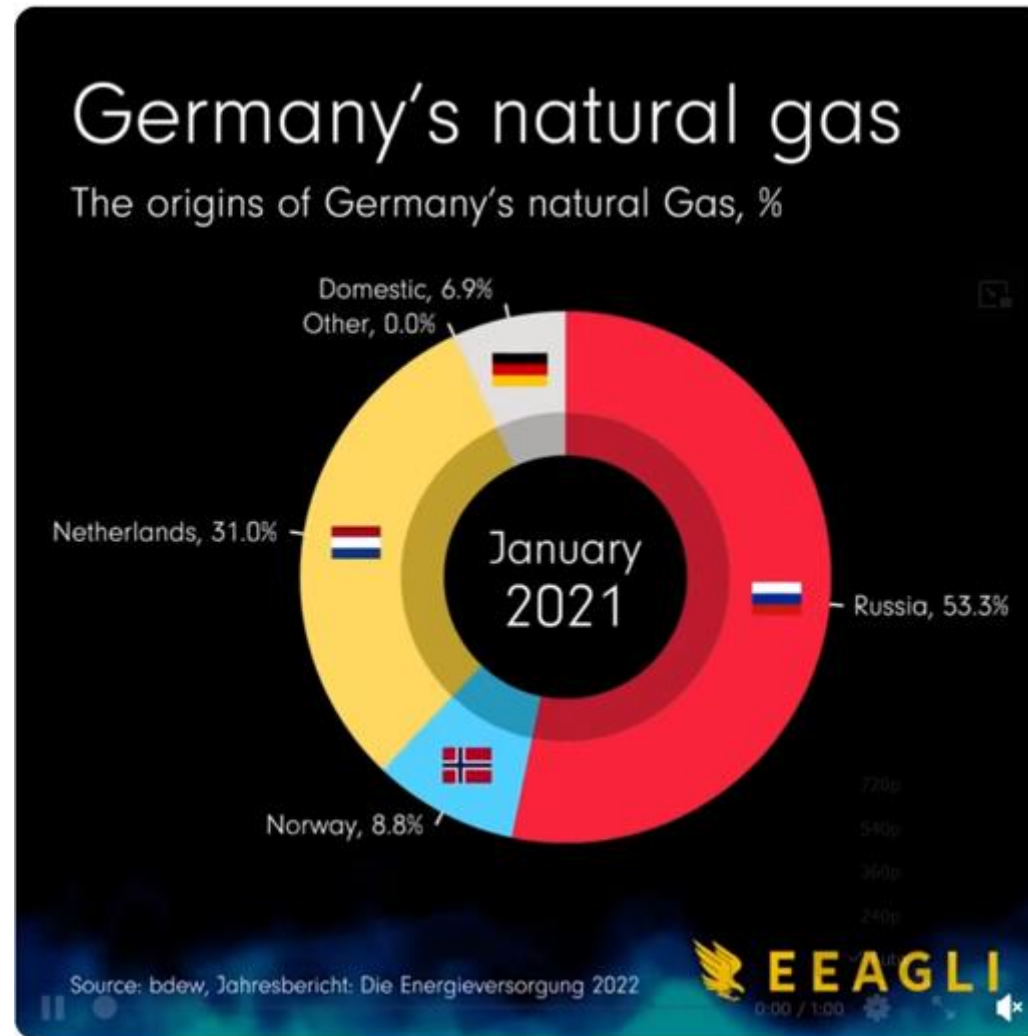
Source: pewresearch

Created With [plotset.com](https://plotset.com)

[https://www.reddit.com/r/dataisbeautiful/comments/10ozhv7/oc\\_oneinfive\\_teens\\_are\\_almost\\_constantly\\_on/](https://www.reddit.com/r/dataisbeautiful/comments/10ozhv7/oc_oneinfive_teens_are_almost_constantly_on/)

# ¿Para qué sirve?

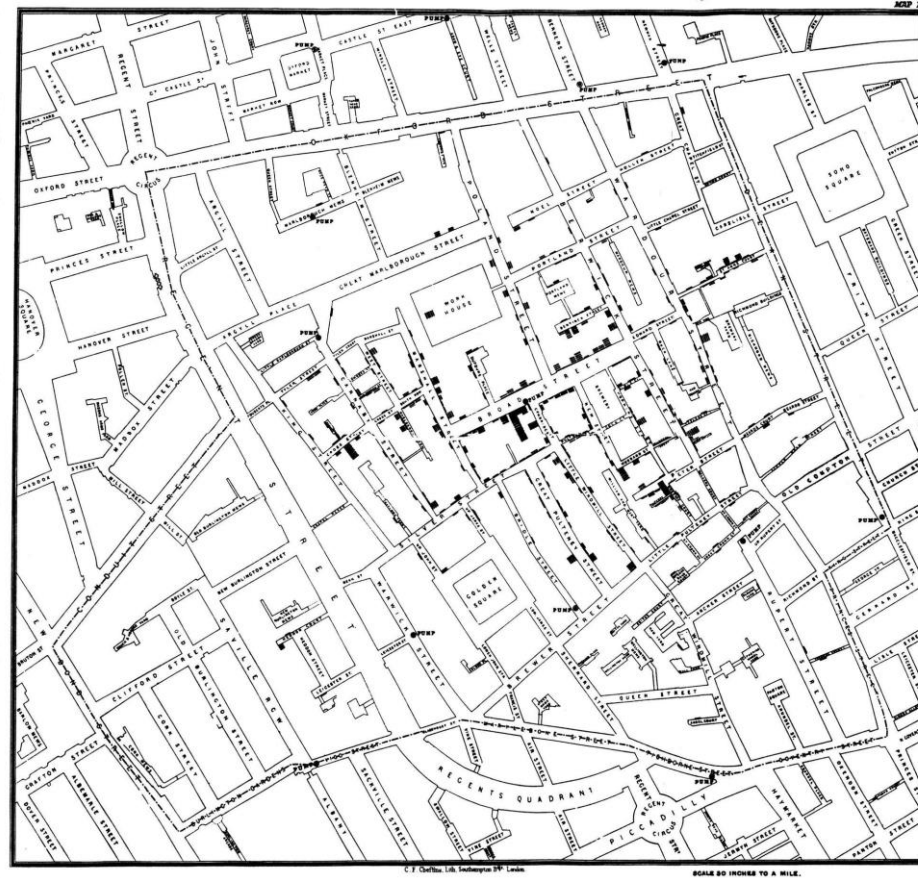
Para ver evolución



[https://www.reddit.com/r/dataisbeautiful/comments/107dsgw/oc the origins of germanys natural gas/](https://www.reddit.com/r/dataisbeautiful/comments/107dsgw/oc_the_origins_of_germanys_natural_gas/)

# ¿Para qué sirve?

Incluso para salvar vidas



[https://en.wikipedia.org/wiki/John\\_Snow](https://en.wikipedia.org/wiki/John_Snow)

# Aprendiendo de los mejores

1. <https://datavizcatalogue.com/>
2. <https://informationisbeautiful.net/>
3. <https://vizgallery.tableaupublic.com>
4. <https://dash.gallery/Portal>
5. [Ejemplos Históricos](#)
6. <https://www.reddit.com/r/dataisbeautiful/>







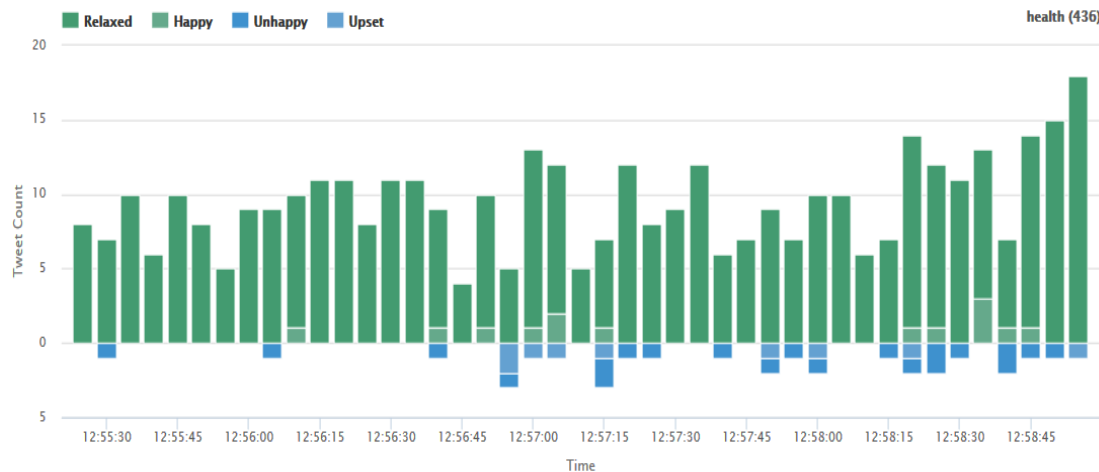
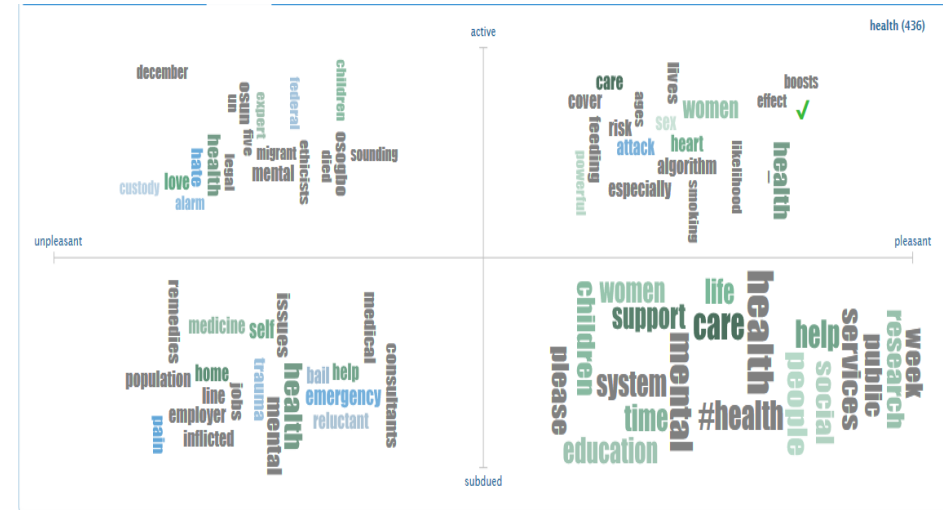
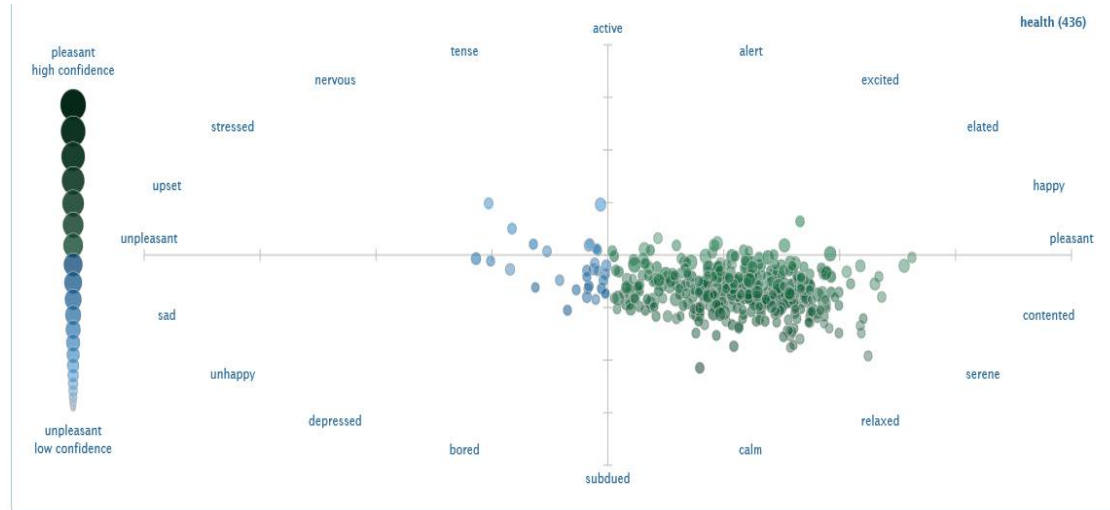
# Ejemplos de problemas de visualización

1. Análisis de sentimientos en tuits
2. Rueda de dependencia sobre cambios de estado de salud en pacientes
3. Streamgraph sobre popularidad de búsquedas en Google
4. Flujo de refugiados en el Mediterráneo
5. Terremotos en Granada
6. Expectativas de vida vs. PIB



# 1. Análisis de Tuits

[https://www.csc2.ncsu.edu/faculty/healey/tweet\\_viz/tweet\\_app/](https://www.csc2.ncsu.edu/faculty/healey/tweet_viz/tweet_app/)

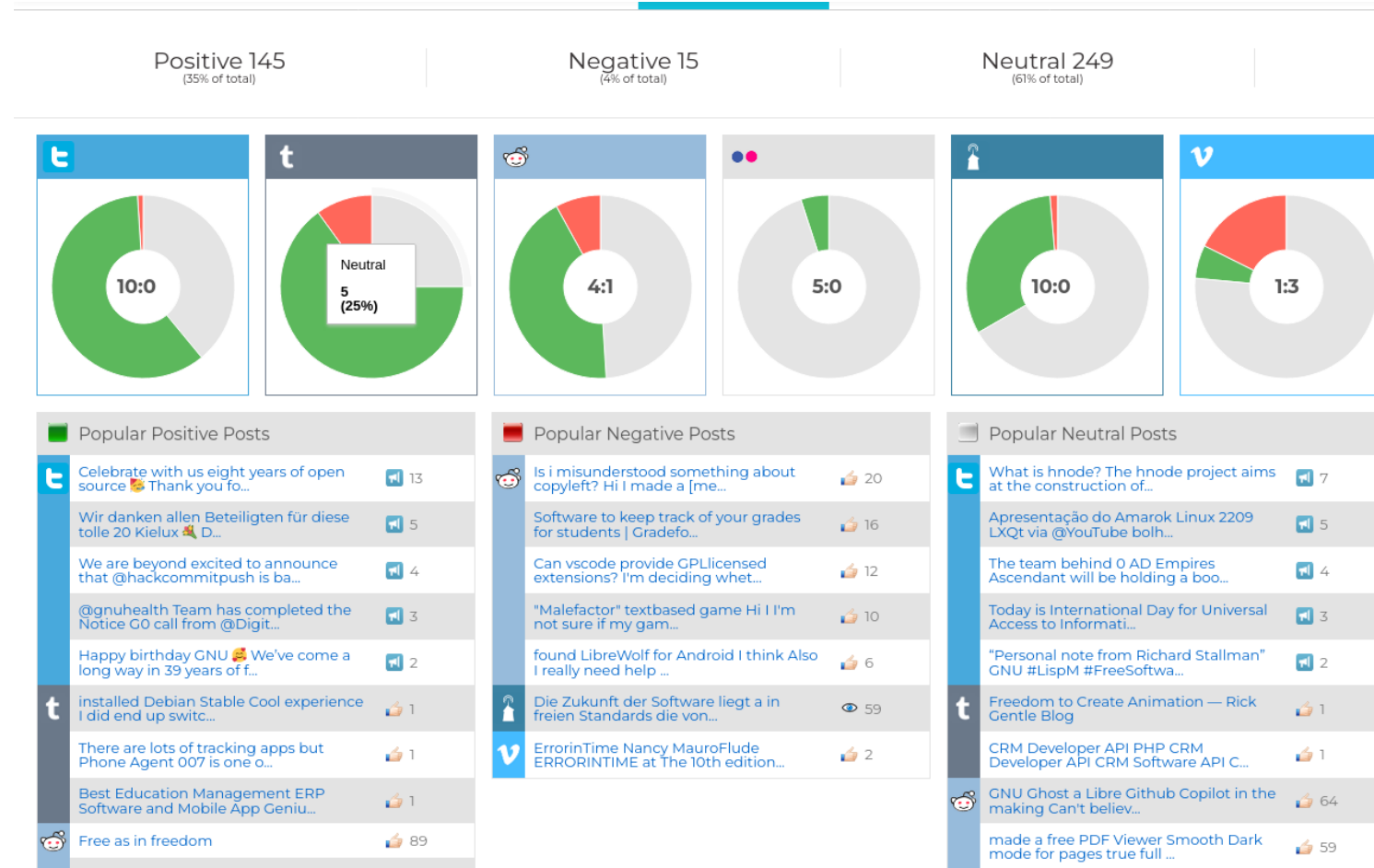


Date	User	v	a	Tweet
06-25-19 12:55	ChrisKakyo	6.41	4.13	Asking for @SemweyaMusoke: Is @mugishamuntu in <i>good health</i> and <i>well</i> ? He last tweeted over two weeks ago! Does @TheAllianceUG <i>still exist</i> ? The <i>party</i> last tweeted on 23rd may over a <i>month</i> ago! Someone should <i>be</i> recruited to <i>keep the hope</i> "alive".
06-25-19 12:55	James_Durkan	5.91	4.59	@K_Niemietz @Caplano_ I actually have a <i>Masters</i> degree in <i>public health</i> . I <i>understand</i> that socialised <i>medicine</i> is <i>superior</i> to private/for <i>profit</i> <i>medicine</i> . It's <i>difficult</i> to <i>express</i> this in such few <i>characters</i> but you're saying I'm <i>wrong</i> but not <i>providing any evidence</i> as to why this is the <i>case</i> ?
06-25-19 12:55	TheMySchool	6.87	3.71	A <i>special</i> #TuesdayThrowback to the <i>Special Health Camp</i> organised at MySchool in association with Acadis Healthcare <i>last weekend</i> . We <i>thank</i> Dr. Saima Khan for an <i>informative</i> and <i>engaging</i> session on <i>How to Stay Healthy</i> . #HealthCamp #HealthyLifestyle #preschool #MySchool #Lucknow <a href="https://t.co/9XqLvc5S3">https://t.co/9XqLvc5S3</a>
06-25-19 12:55	pam_shepp30	6.49	3.94	Teachers should <i>wear a school uniform</i> ...one of the many hotly debated topics at our #couldntcareless <i>event</i> at one of several fab <i>workshop</i> <i>encouraging</i> young carers to <i>learn key communication</i> skills for <i>future careers</i> in <i>health</i> and <i>social care</i> . @WYHpartnership @AheadP_ship
06-25-19 12:55	TracyHe86071704	6.89	4.65	@Pravduh15 @WhiteHouse 1/2 That's <i>right</i> but <i>knowledge</i> is the <i>first step</i> to fixing healthcare. The politicians telling <i>people</i> they <i>can</i> have <i>free</i> <i>health care</i> to grab a vote should <i>be</i> jailed. Nobody in the <i>United States</i> goes without healthcare.
06-25-19 12:55	kiambi_pam	6.45	3.93	RT @E4A_MamaYeKenya: Are you at the <i>Reproductive Health</i> Network Kenya Conference on adolescent SRHR? #RHNCConference2019 <i>Watch</i> our <i>animation</i> on why it is <i>important</i> to <i>invest</i> in adolescent <i>health</i> today! @rhncorg @OptionsinHealth @E4AMamaYeAfrica <a href="https://t.co/6eSlRlqzy5">https://t.co/6eSlRlqzy5</a>
06-25-19 12:55	feelingalistless	6.23	4.63	"All <i>right</i> , but apart from the sanitation, the <i>medicine</i> , <i>education</i> , <i>wine</i> , <i>public order</i> , <i>irrigation</i> , roads, a <i>fresh water</i> system, and <i>public health</i> , what have the Romans ever <i>done</i> for us?" <a href="https://t.co/ScCm7OWunl">https://t.co/ScCm7OWunl</a>
06-25-19 12:55	elenabernabio	5.69	4.87	RT @neilsmithillo: <i>Really interesting</i> development in <i>science poster design</i> . A <i>clear punchy</i> message in the <i>centre</i> ...owes a lot to basic <i>advertising theory</i> . To <i>Save The Science Poster</i> , Researchers <i>Want To Kill It</i> And <i>Start Over</i> <a href="https://t.co/C11uUdSzHy">https://t.co/C11uUdSzHy</a>

Showing 1 to 436 of 436 entries

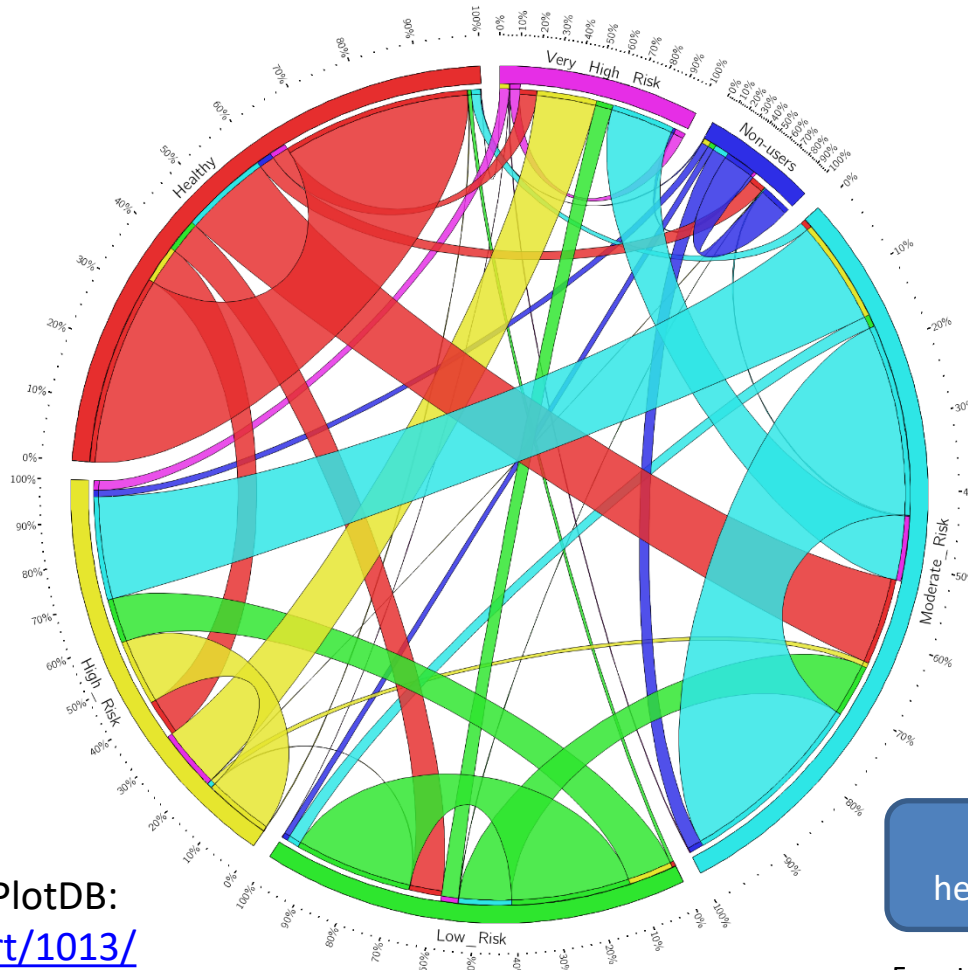
# 1. Análisis de otros foros

<https://www.social-searcher.com/>



## 2. Cambios en estados de salud entre dos periodos consecutivos de 1970 pacientes

Herramienta: <http://mkweb.bcgsc.ca/tableviewer/visualize/>



También se puede usar PlotDB:  
<https://plotdb.com/chart/1013/>

visualize **settings** samples archive about

1

**CONTRIBUTION TRACKS**

2 ☒ hide ☐ expand size to segment size  
☐ no stroke

**IMAGE FORMAT**

☐ start segments at 3 o'clock ☐ hide first tick label  
☐ no stroke on any elements ☐ draw last tick (seg size)  
☐ hide segment labels ☒ hide absolute tick marks  
☐ hide all tick labels 3 ☐ hide relative tick marks

**2A . UPLOAD YOUR FILE**

If you are using the size, order or color options below, make sure your input file has the appropriate content (see [samples 5-9](#)).

4 **Examinar...** No se ha seleccionado ningún archivo.  
order ☐ col with row order ☐ row with col order  
size ☐ col with row size ☐ row with col size  
color ☐ col with row colors ☐ row with col colors

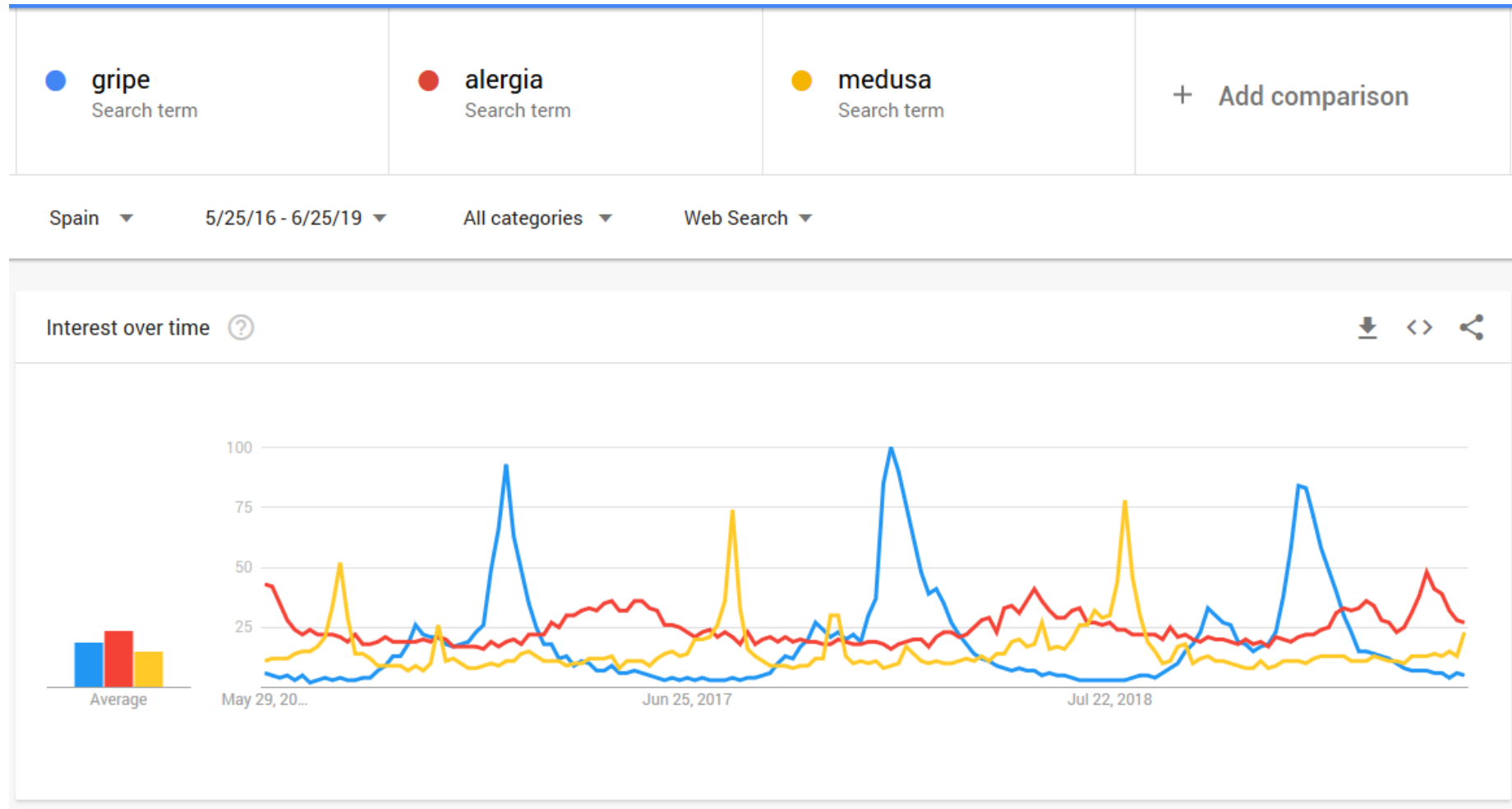
5 **Visualize Table**

Abre el archivo:  
health\_movement.txt

Fuente: <http://www.ravipal.net/2015/11/chord-diagrams-my-current-favourite.html>

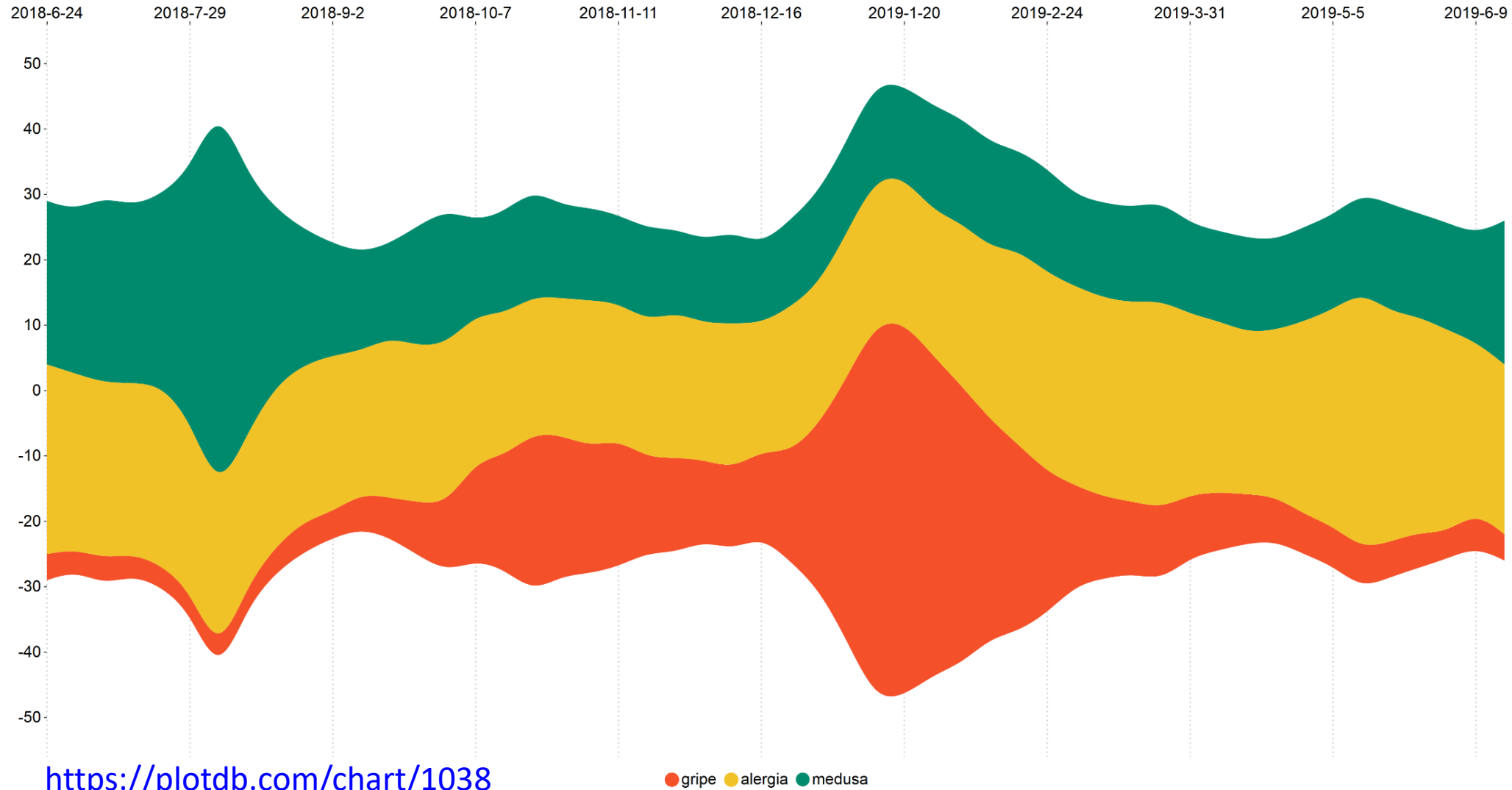


### 3. Evolución de la popularidad de los términos: gripe, alergia y medusa





### 3. Evolución de la popularidad de los términos: gripe, alergia y medusa

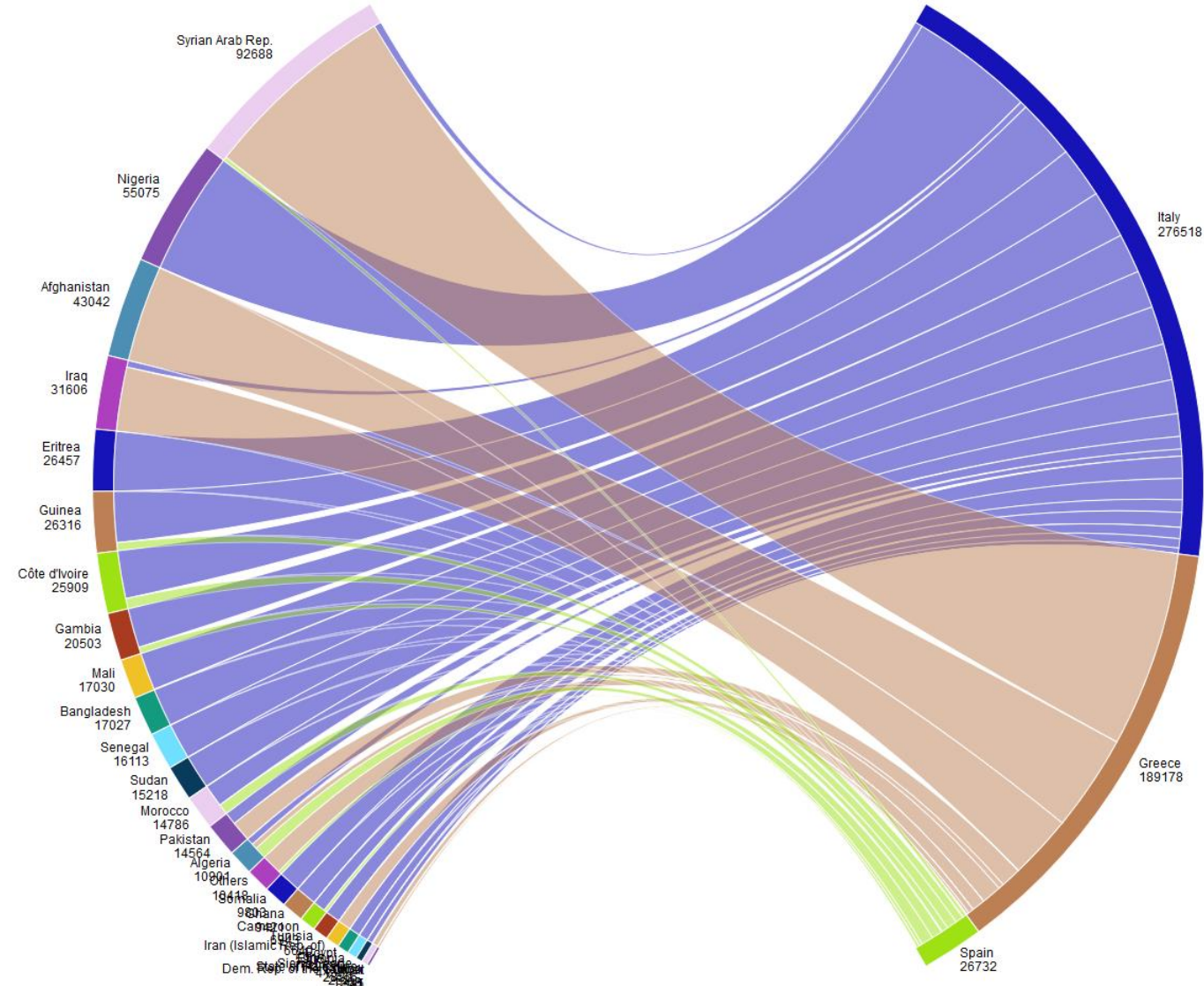


# 4. Flujo de refugiados en el Mediterráneo

- Sankey Chord

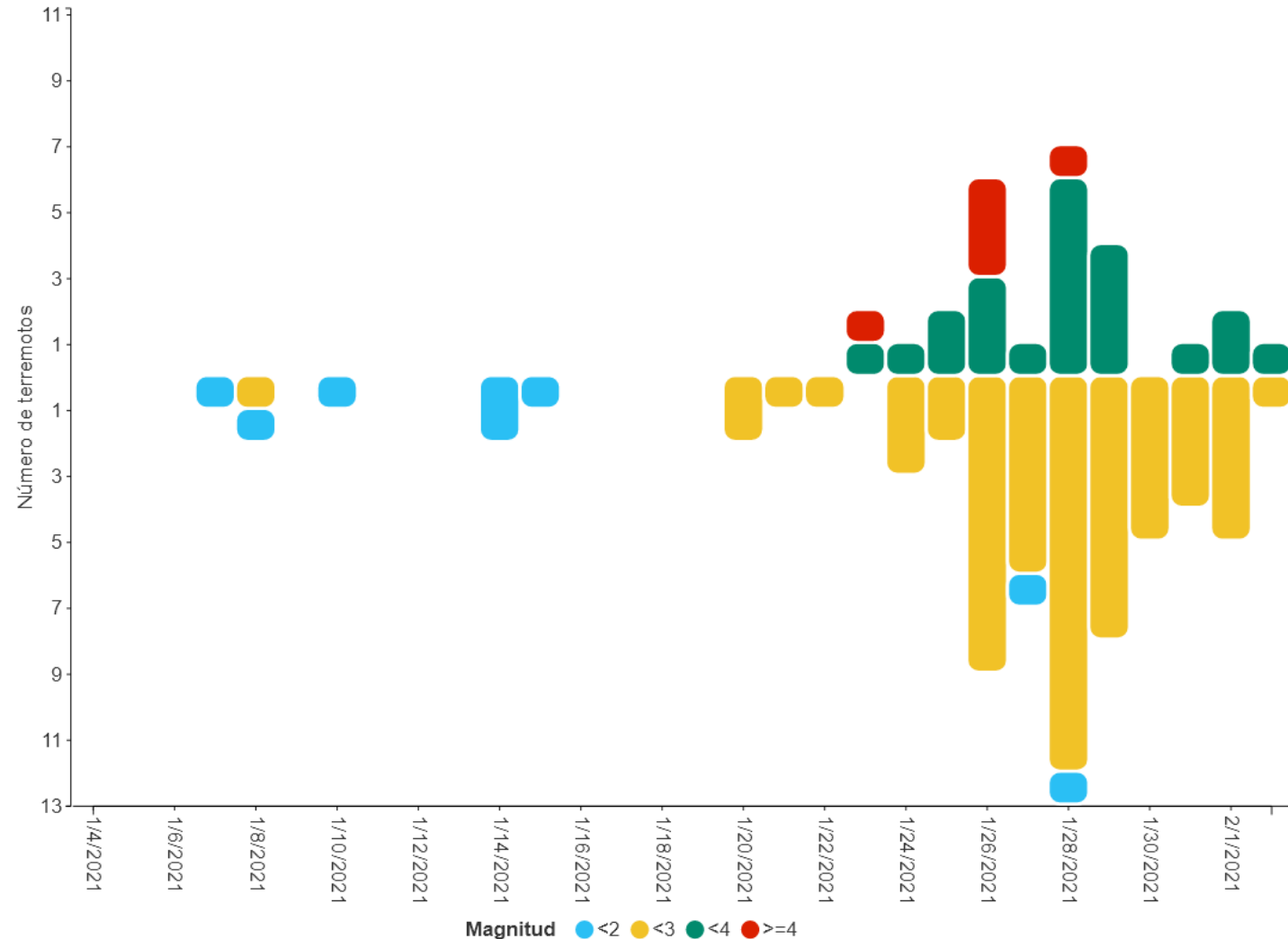
(<https://plotdb.com/chart/1039/>):

- Visualiza la distribución por países del Mediterráneo de refugiados disponible en el fichero **mediterranean\_unhcr.xlsx**
- Usa los datos de la hoja “Sankey-Chord”
- Fuente: <http://data.unhcr.org>
- Datos: <https://data2.unhcr.org/en/documents/details/58460>



## 5. Terremotos en Granada

- Dancing Stacked Bar  
(<https://plotdb.com/chart/992/>):
  - Visualiza los terremotos que se están produciendo en Granada cada día distinguiendo por orden de magnitud
  - Gráfico interactivo que permite alinear las barras según la categoría donde se haga clic
  - Dataset: **terremotos\_GR.xlsx**
  - Fuente:  
<https://www.ign.es/web/ign/portal/ultimos-terremotos/-/ultimos-terremotos/get30dias>



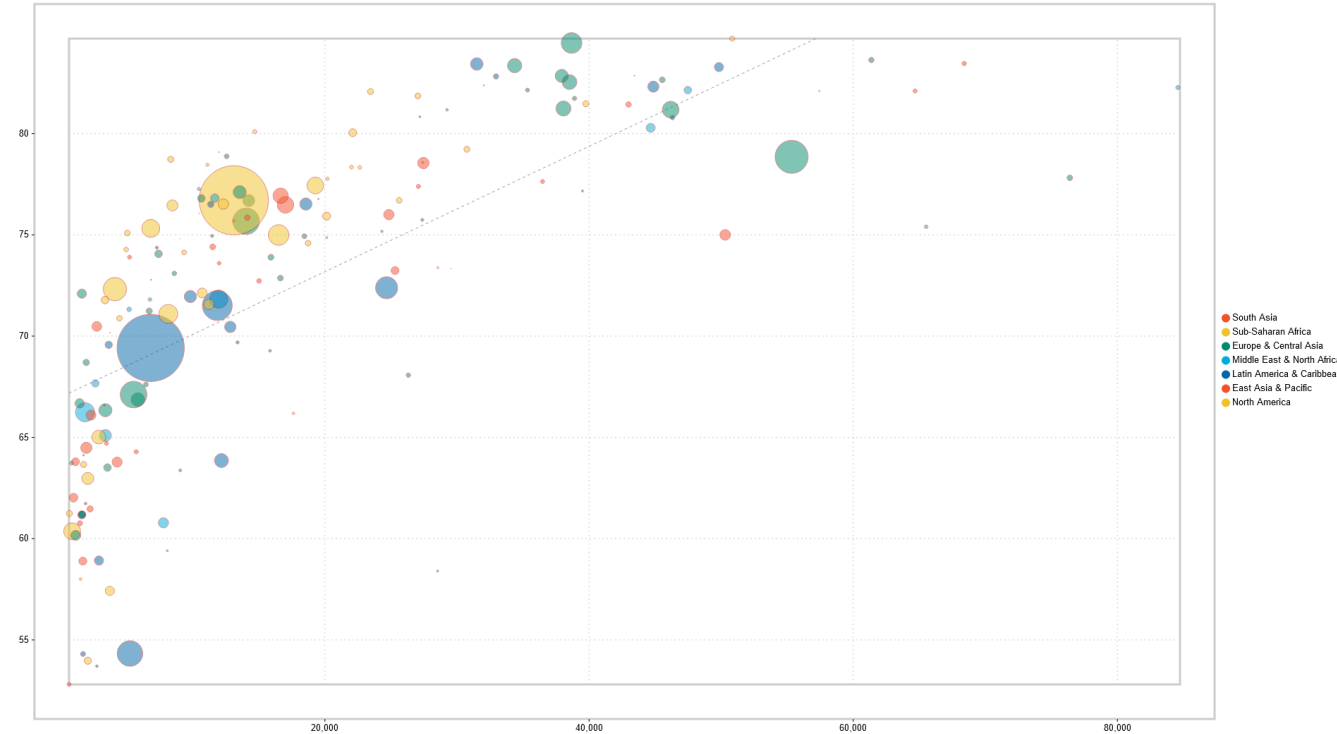


## 6. Expectativas de vida vs. PIB

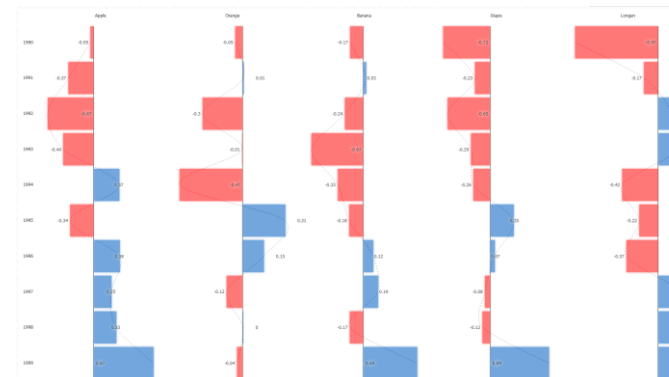
- Scatter

(<https://plotdb.com/chart/1025/>):

- Visualiza la relación entre expectativas de vida y PIB por países
- `life_expectancy.xlsx`
- Fuente:  
<https://ourworldindata.org/grapher/life-expectancy-vs-gdp-per-capita>



- Prueba ahora a mostrar la evolución de algunos países en varios años (procesa datos en una hoja de cálculo) con Diverging Parallel Bar Chart (<https://plotdb.com/chart/2225>)



## 7. Migraciones de Ucravianos

- **Fichero:** `refugiados_ucrania.xlsx`
  - Fuente: <https://data.unhcr.org/en/situations/ukraine>
- Escoge gráfica(s) que mejor muestre(n) el reparto de refugiados