Data Visualization [DV]: End Project

Topic: Google searches

Group name: 10^100

Group members:

Karlijn Kole,

Kevin Friesacher,

Frank Ruempol,

Naomi Ruis,

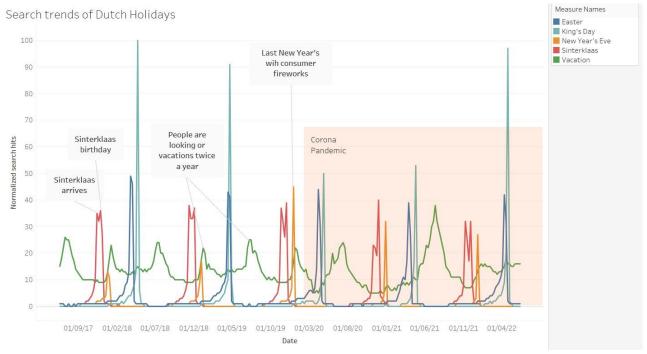
Sven Sonneveld,

Nikki Warries

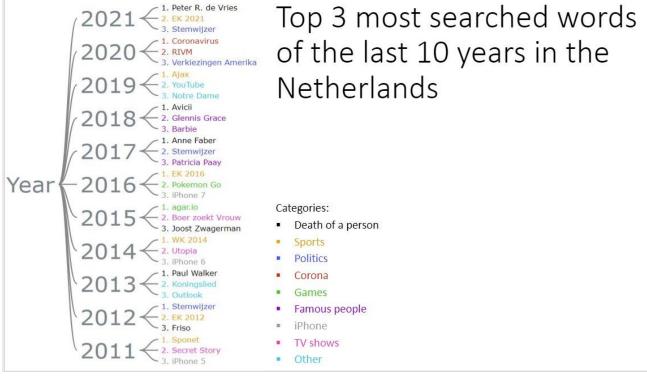
Date: June 20th, 2022

Karlijn

Subtopic: Time



 $Data: https://trends.google.com/trends/explore?date=today%205-y&geo=NL&q=%2Fm%2F02j_4,%2Fm%2F015h7g,%2Fm%2F03gkl,%2Fm%2F02kz1p,%2Fg%2F11b7nx2x3l_pdf_{2}%$



Data: https://trends.google.com/trends/yis/2021/NL/



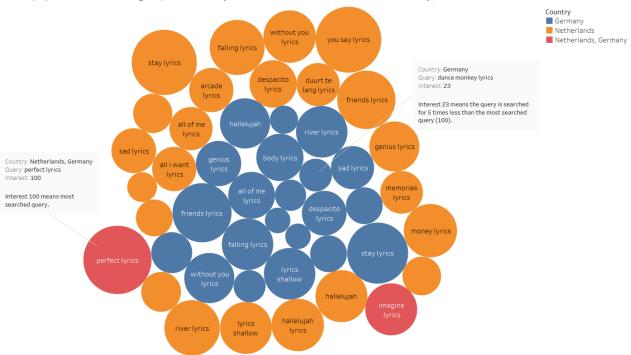
Data same as the first one but then per hour.

Naomi Ruis

Subtopic: Music

Visualizations

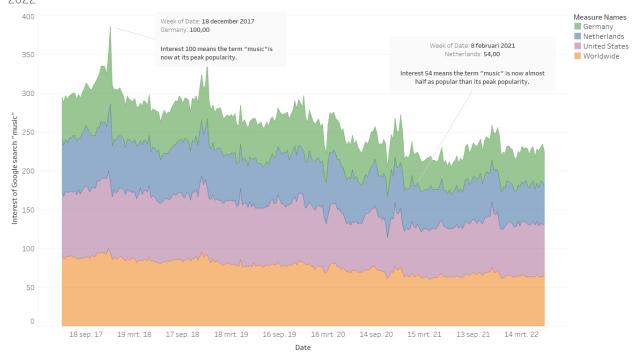
Most popular related Google queries to "lyrics" in the Netherlands and Germany, 2017 - 2022



Query. Color shows details about Country. Size shows sum of Interest. The marks are labeled by Query. The data is filtered on Interest, which ranges from 14 to 100. The view is filtered on Country, which keeps Germany. Netherlands and Netherlands, Germany.

 $\label{lem:decomposition} \textbf{Data:} \ \, \underline{\text{https://trends.google.nl/trends/explore?date=today\%205-y\&geo=NL\&q=lyrics}} \,, \\ \underline{\text{https://trends.google.nl/trends/explore?date=today\%205-y\&geo=DE\&q=lyrics}} \,. \\ \underline{\text{https://trends.google.nl/trends/explore?date=today\%205-y\&geo=DE\&q=lyrics}} \,. \\ \underline{\text{https://trends.google.nl/trends/explore?date=today\%205-y&geo=DE&q=lyrics}} \,. \\ \underline{\text{https://trends.google.nl/trends/explore}} \,. \\ \underline{\text{https://trends.google.nl/trends/explore}} \,. \\ \underline{\text{https://trends.google.nl/trends/explore}} \,. \\ \underline{\text{https://trends.google.nl/trends/explore}} \,. \\ \underline{\text{https://trends.google.nl/trends/$

Interest of Google search "music" worldwide, in the Netherlands, Germany and United States, 2017 - 2022



The plots of Germany, Netherlands, United States and Worldwide for Date Week. Color shows details about Germany, Netherlands, United States and Worldwide. The data is filtered on Date, which ranges from 25-6-2017 to 12-6-2022.

Data: https://trends.google.nl/trends/explore?date=today%205-y&geo=DE&q=lyrics, https://trends.google.nl/trends/explore?date=today%205-y&geo=US&q=music, https://trends.google.nl/trends/explore?date=today%205-y&q=music

Most searched albums and songs worldwide, 2021

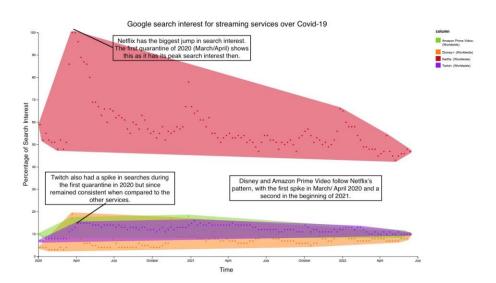
Album: Donda - Kanye West			Album: Montero - Lil Nas X	Album: Happier Than Ever -		Album: Solar Power -		Album searches	
	Song: drivers license - Olivia Rodrigo		Song: MONTERO (Call Me by Your Name) - Lil Nas X	Billie Eilish Song: INDUSTRY BABY - Lil Nas X feat. Jack Harlow		Lorde Song: Fancy Like - Walker Hayes		97500	500000
	Album: Red - Taylor Swift Song: Butter - BTS	Album: Voyage - ABBA Song: good 4 u - Olivia Rodrigo	Album: Sour - Olivia Rodrigo Song: MAPA - SB19 Album: Fearless - Taylor Swift Song: Jalebi Baby - Tesher	Justin Bi Song: We Nathan E		man -	Album: Senjutsu- Iron Maiden Song: Good Days - SZA		
		Albums: Voyage - ABBA Album searches: 133000 Songs: good 4 u - Olivia Rodrigo							

 $Albums and Songs.\ Color shows\ details\ about\ Album\ searches.\ Size\ shows\ sum\ of\ Album\ searches.\ The\ marks\ are\ labeled\ by\ Albums\ and\ Songs.\ The\ view\ is\ filtered\ on\ Album\ searches.\ The\ Album\ searches\ filter\ ranges\ from\ 97500\ to\ 500000.$

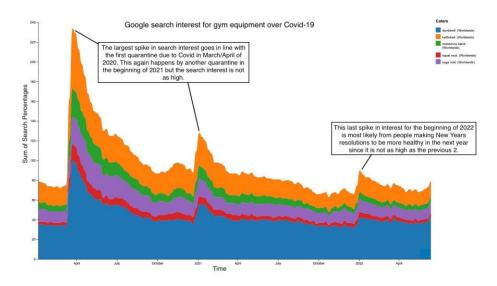
 $\label{lem:decomposition} \textbf{Data:} \ \underline{\text{https://www.statista.com/statistics/1202859/most-searched-music-albums-worldwide/}, \\ \underline{\text{https://trends.google.co.uk/trends/yis/2021/GLOBAL/}}$

Kevin

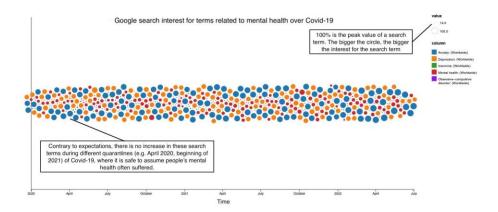
Subtopic: Search interests over Covid-19



https://trends.google.com/trends/explore?date=2020-01-01%202022-06-19&q=%2Fg%2F11f5bxylc0,%2Fm%2F0gvlgh,%2Fm%2F0hgpf7h,netflix



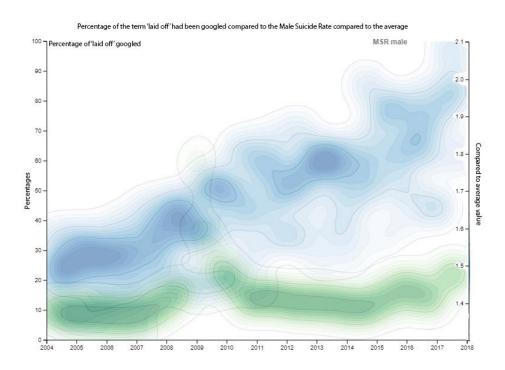
https://trends.google.com/trends/explore?date=2020-01-01%202022-06-19&q=dumbbell,squat%20rack,yoga%20mat,resistance%20band,kettlebell



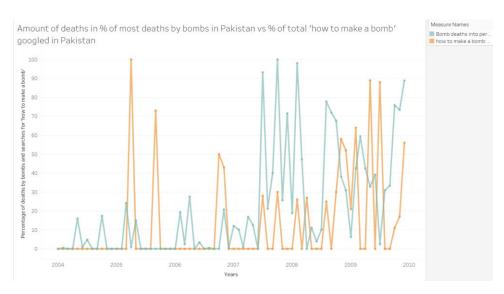
https://trends.google.com/trends/explore?date=2020-01-01%202022-06-19&q=%2Fm%2F03f cb,%2Fm%2F03x69g,%2Fm%2F0f6gy,%2Fm%2F0k 9,%2Fm%2F0ddwt

Frank

Subtopic: Deaths compared to google searches

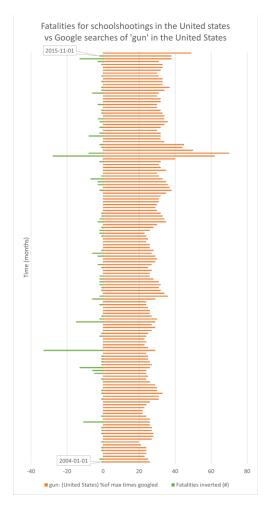


https://data.mendeley.com/datasets/cwh9zx895f/1



https://www.kaggle.com/datasets/zusmani/pakistansuicideattacks

https://trends.google.com/trends/explore?date=all&geo=PK&q=how%20to%20make%20a%20bomb

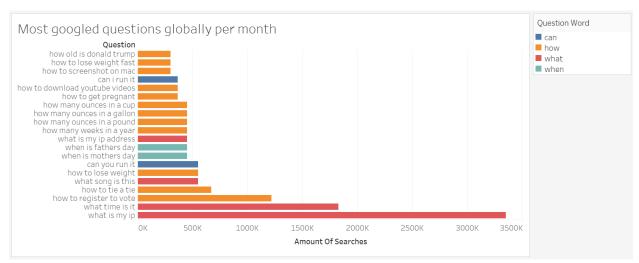


https://www.kaggle.com/datasets/ecodan/school-shootings-us-1990present

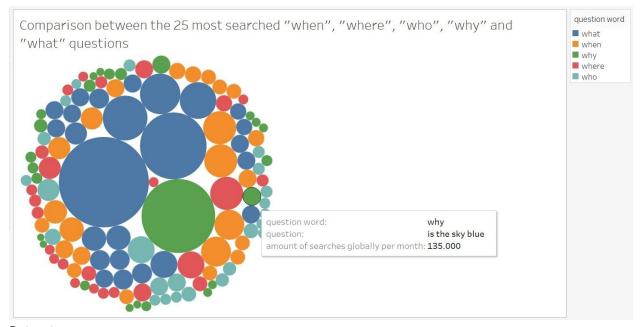
https://trends.google.com/trends/explore?date=all&geo=US&q=gun

Nikki

Subtopic: Questions

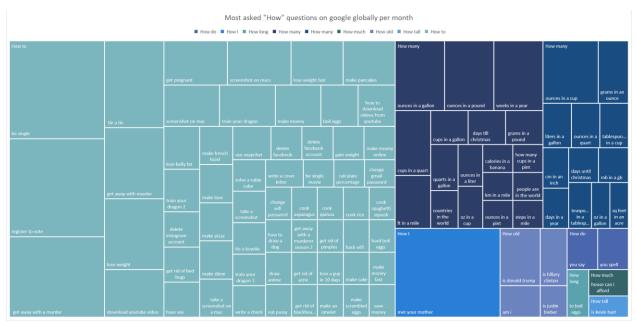


Dataset: https://www.mondovo.com/keywords/most-asked-questions-on-google



Datasets:

https://www.mondovo.com/keywords/list-of-most-frequently-asked-when-questions-on-google
https://www.mondovo.com/keywords/list-of-most-frequently-asked-where-questions-on-google
https://www.mondovo.com/keywords/list-of-most-frequently-asked-who-questions-on-google
https://www.mondovo.com/keywords/list-of-most-frequently-asked-why-questions-on-google
https://www.mondovo.com/keywords/list-of-most-frequently-asked-what-questions-on-google



Dataset: https://www.mondovo.com/keywords/list-of-most-frequently-asked-how-questions-on-google

Sven

Subtopic: Misspellings the word "google" on google

Normalized average misspellings of the word "Google" wordwide

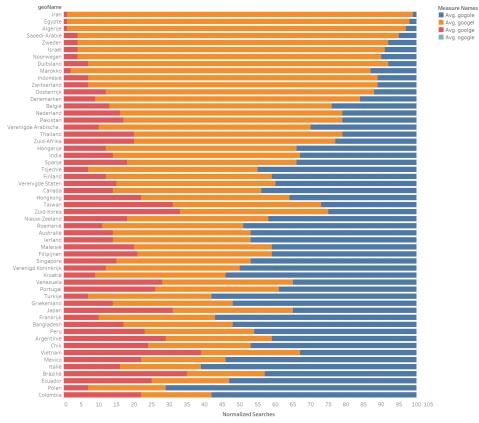


Avg. gogole, Avg. googel, Avg. goolge and Avg. ogogle for each date Month broken down by date Year. Color shows details about Avg. google, Avg. google, Avg. goolge and Avg. ogogle.

Link to code to gather data: Get the data for visualisation 1.py

Dataset: Visualisation 1

Normalized Searched Values misspelled word "Google" worldwide

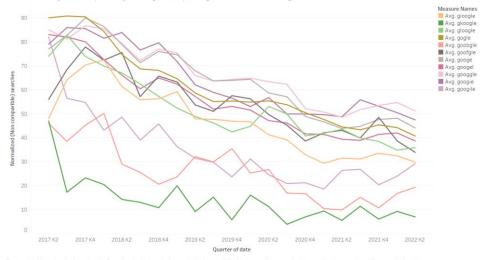


Avg. gogole, Avg. googel, Avg. googel, Avg. goolge and Avg. gogole for each geoName. Color shows details about Avg. gogole, Avg. googel, Avg. goolge and Avg. gogole. The view is filtered on average of gogole, which includes values greater than or equal to 1,00.

Link to code to gather data: Get the data for visualisation 2.py

Dataset: Visualisation 2

 $Normalized \ (non-comparible) \ average \ misspellings \ of the \ word \ "Google" \ wordwide$



The trends of Avg. gloogle, Avg. gloogle, Avg. gloogle, Avg. google, A

Link to code to gather data: Get the data for visualisation 3.py

Dataset: <u>Visualisation 3</u>

Link to folder with all datasets used and the code to gather the data: https://universiteittwente-my.sharepoint.com/:f:/g/personal/s_l_sonneveld_student_utwente_nl/EidbZ_cLZO1ChB5uDVBvLFgBsg_UJJLTayzb3plc-OPtPUA?e=0AVLGn