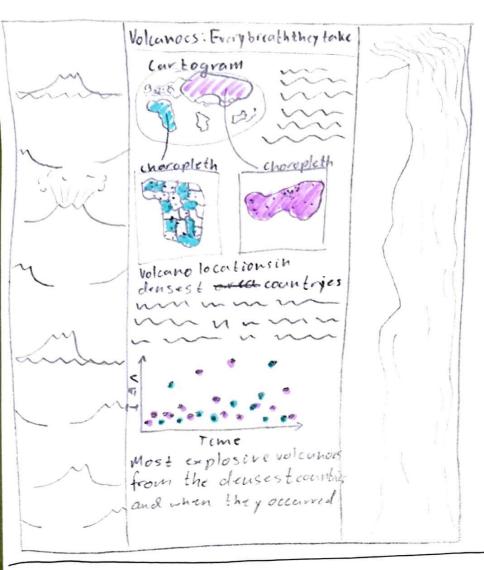
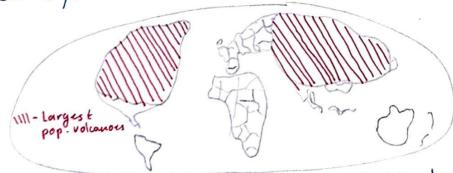


ayout



towns The main focus of this vis/website is the Courtogram that shows the relative density of volcanoes per countries / number of volcanoes per country.



In a larger scope, this will lead to us looking closer at these 2 countries with the most volcanoes. La Providing some insight into why these countries have the most, are morelless explosive etc.

Title: Inctial designs: Countries.

Authors: Jesse Hodgson

Date: 23.09.25

Task: Make an initial design for

Vis 2 website.

operations

- Cartagram: Display the number of volcanoes in each country, where the relative size of a is driven by number of volcanous. - Choropleth: Display the location of the volcanoes from the two largest countries. Here cerch dot can be hovered to show into about volcuro. -Scutterplots Displaying the Explosivity of eraptions from the countries, and when the eruption occurred. Annotationer Brief paragraphs
On the importance of the diagrams, and provides context to further understanding.

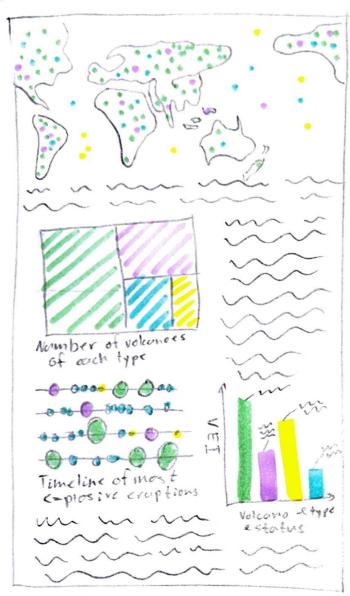
Discuss ion

Pro: Having brief annotations that hat over not required for buse level analysis, but used for some added information is efficient, and good for both in-depth a surface-Tevel readers.

Con: Only analysing 1 countries worth of volcanous may not provide chough interesting data to analyse.

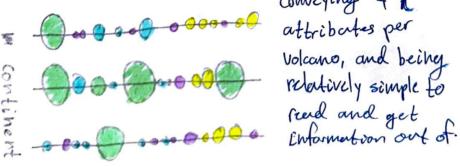
con: Not also of depth of analysis techniques (diagrams used. -> Wou't level to a terribly large amount of information being convoyed.

layout



-This webpaye has less of a central focus, rather parting an equal amount of emphasis on 41 Lowever diagram with most numer linformation each diagram.

being conveyed would be the circle-timeline.



attributes per volcano, and being relatively simple to

convey information, making Conveying 4 it easily digestable for average

Scon: Hon Not all volcanoes have errapted !.

Operation s

Choropleth: Simple conveyance of locations of the volcanoes, and the low colour has of the points represent what type of volcano it is.

Title: Flogset Initial designs: Timescale

Author: Jesse Hodgson

Date: 23.09.25

Sheet: 3

Pack:

Treemaps displays the proportion of zeech volcano type compared to the others.

Circle Timeline, Displays 4 attributes: explosionity size Area of circle is explosivity, colour hue is type of volcomo, which line its on shows which continent the volume is on, and se distance is the time that the volcano crapted on. Column: Summarises timelines

explosivity information by showing the largest explosion per volcano

Pro! Fach diagram is distoret

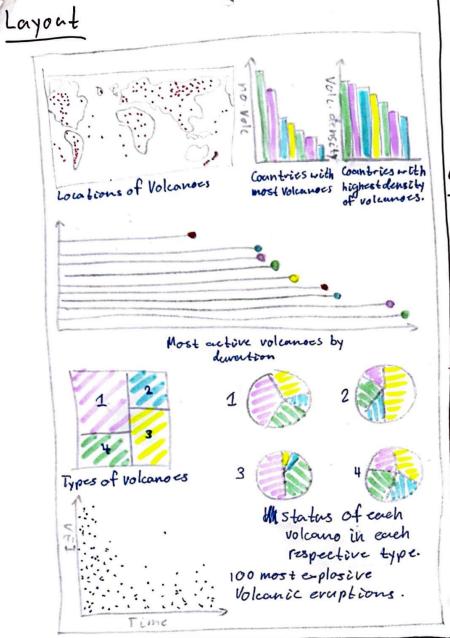
from the others and use

Simple membs e channels to

Discussion

Pro: Discusses all volcanoes in depth through time a explosionly Of eruption.

309 9 00 9 @ 0000 | 00 ->Time->



This layout focuses on having as much informention being displayed by the idioms. There is no singular focus, more just having as many idions/diagrams to describe our rain dator, as well as the connections between the different attributes. in Li Most explosive volcanic eraptions" will be the final diagram of the vis, and as such should be the culmination of each catagory La Location, Explosivity, Time, Type > sheepc/ Colo week neight Mark. horizontal distance

Title: Initial designs:
Date: 25.09.25
Author: Jesse Hodgson
Sheet: 4
Task Come up with a
preliminary design for the
Vis 2 webpage

Operations

tollipop: Most active vokanoes roung vanked by how long they have reardedly crapted for.

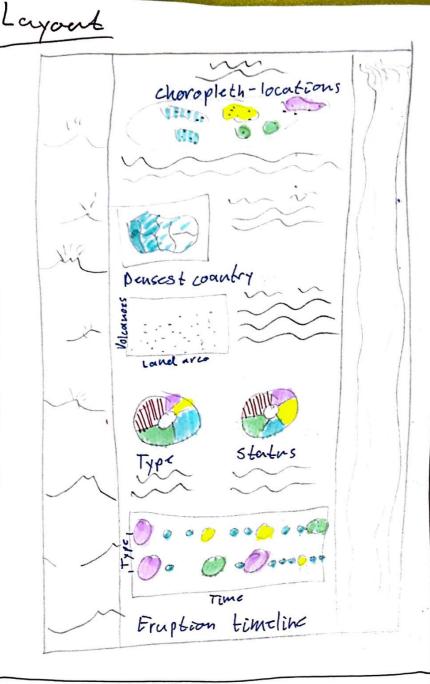
Treemaph Piecharts: The Treemap

Sorts all the volcemes into their respective types, and the piccharts show the amount of volceme as in each type, there are a certain status. Choropleth & Bow: Used to Show location specific datay such as the countries with the most volcemes, and most volcemes per square kilometer.

Discussion

Pro: Hits all the categories
outlined in the inital ideas
perge, and has a dedicate
diagram for each of them.
Con: No annotation means that
Many critical analysis is left

up to the reader, which isn't going to end up with everyone being well-informed Loto get fall understounding from diagrams, you need some context e results.



Tible: Final layout for Vis 2

Author: Jesse Hodgson Date: Ma 16/10/2025

lash: Create a webpage for volcanoes

sheet. 5

Operation s

-Choropleth

12 to display inpatted lacoordinates, cend mark with discrete points on map, coloured for each continued

- Courtogram

12 Displaying densities of volcomes for pourts of the country with highest density, or most volcavocs

-Scutterplot

13 Display the density of all countries.

- Radial charts

1> Displaying the relative amount of each type a stabus of Volcours around the world.

Bubble timeline

13 Display the highest-level-scientific data of VEI e timeline, while Sorting by Types of volcemoes.

The Rocus of this layout is buly about flow of the webpage and Meeting something that the average person can learn from:

1.) Starting with some general, overaching

information (location) 2-) Get more country specific, go deeper into the next level &

3.) Some general information on specific cittributes about volcanoes

Octail

- Porta transforming 13 To have some forms of derta such as density, or relative some share of Type or status may require transforming some data.

- Pependeneies

La Github repository - Making some belopage has every link required to expear correctly on the seb repository.

Time to build.

1-> 2 hour data collection e transformation 1514 hours to mak idions

4 hours to explain and make HTM