

Focus

=) aims to visualise countries and its tounami occurrences accoss the year

colour coding: blues 6 more occumences: dorker blue

filters: sliding filter year range

G let user choose which range of
year they want to see

1800 2024

Will show ternami happened within 2000-2024 in the world

Title: Total Tsurami Across the World

Date: 6 October

Sheet : 1

Task: Choropath Map

OPERATIONS

=) quantitative : occurrences

C, number of times the country have appeared

by each tourant event occurred

a) uses gradient adow coding

6 highlights country with most truncario

sliding filter
 more simpler way of visuals to represent to users
 add interactions

haver & toultip
 6 shows specific detailed information
 when use's pointing

DISCUSSION

- The use of colour intensity makes it intuitive for users to quickly identify regions with more frequent tourismin events
- eg. around the Pacific "Ring of Fire", whee scismic activity is high.
- O might unintentionally give more visual weight to larger geographic areas especially with lower number of tsunami occurrences.

LAYOUT Run-up Height (feet) countries V - 1st quartile

Title Distribution of Tsunami Heights for each country

Date: 6 October

Sheet : 2

Task: Box Plot

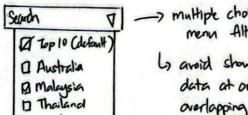
OPERATIONS

- =) Dropdown multiple choices menu: filtering countries that wanted to be
- =) Hover & toothip: to display detailed

FOCUS

Japan

LSA



-> multiple choice drapdown menu Alter

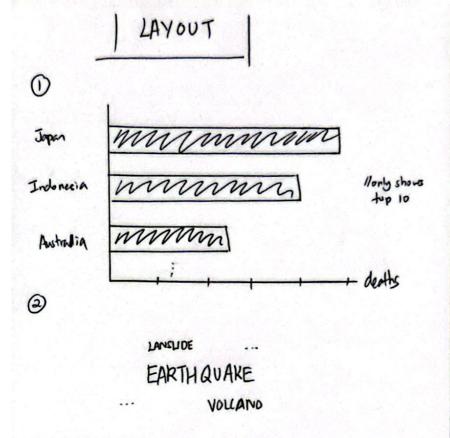
Indonesia

Africa --

- La avoid showing too much data at once, cousing overlapping
- =) aims to focus on showing how tourami run-up heights are distributed for each country.
- =) helps wers compare median & variability of run-up heights across different countries) quickly identify high-risk countries
- =) identify countries where runnup heights are highly variable (wide boxes) & more consistent (namow boxes)

DISCUSSIONS

- @ Box plot's ability to highlight outliers - exceptionally high or law termai rumps
- 1 provides compact summary of distribution of mn-up heights, including the metern, quartiles, and outliers.
- @ provide great side-by-side comparison of distributions between different countries
- () if two many countries are plotted, box plot can become over crowded
- @ less intuitive for non-experts where they might not familiar with box plots and find it challeging to interpret specific data



FOCUS

chart :- fucuses on ranking the top 10 countries

that have experienced the highest number
of deaths due to tsunamis.

- understanding human impact of tsunamis
 highest death ranks at the top
 (decreasing order)
 () provides visual priority
- chart@: visualises relative frequency of different causes of tsunami
 - larger words represent more frequent causes
 giving instant impression of which events
 are most responsible for generating technamis.

Title: Country with top lo deaths cowed by tsunsmi & Causes of tsunsmi

Date: 6 Octuber

Sheet: 3

Task: Horizontal burehart & Word cloud.

OPERATIONS

- => Hover & totip: to see detailed information
- =) uses colour coding to better distinguish different countries for horizontal bar chart

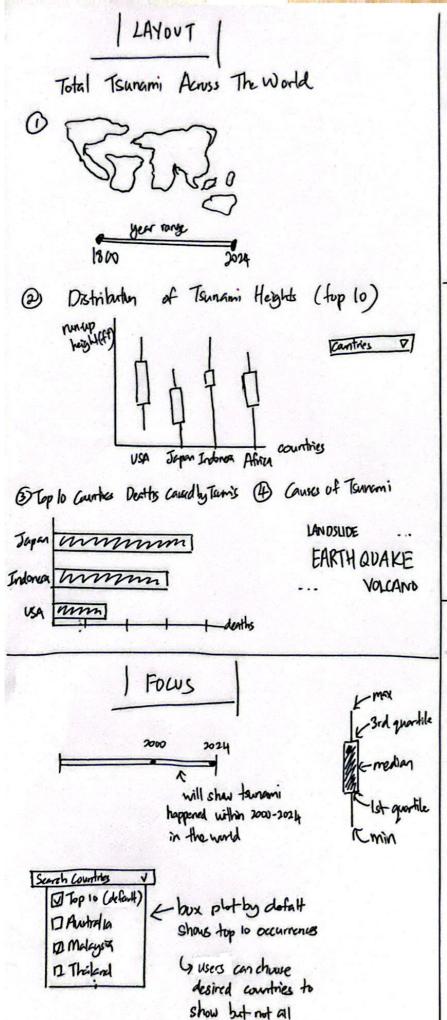
DISCUSSIONS

Chart O

- Deasily digestable data, providing on immediate sense of scale & ranking as each bar length directly corresponds to the number of deaths.
- @ focus on most affected regions (topio) allowing used to grosp easily
- @ limited to only showing top 10 country 4 ease of visualing

Chart(2)

- @ simple & quide to grasp
- & ideal for qualitative comparison
- O do not provide precise numerical differences between causes



Title: Assignment 2

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Date: 7 October 2024

Sheet: 4 FDS 5

Task: Visualize occurrences of trumany across the world, distribution of number heights, country deaths ranks, and cowes of trumani

OPERATIONS

- -> I sliding year range filter in choropleth map @
- => 1 multiple choice dropdown Menu filter @
- =) Hover in any point of data will show tatips with detailed information on that specific region

DETAIL

- =) Estimated 30 hours to build
- =) Dataset aguired from data.world
- are cleaned & structured correctly before parsing datasets to the code
- =) colour coded lines and segments for easy identification
- => Uses Vegalite