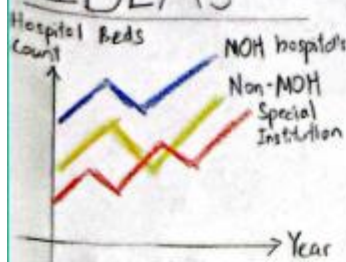


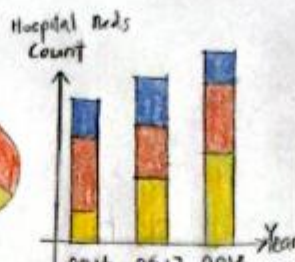
IDEAS



Line Chart



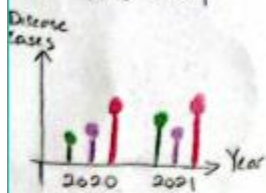
Pie Chart



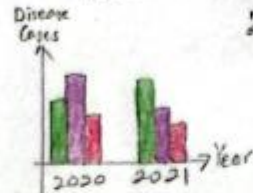
Stacked Bar Chart



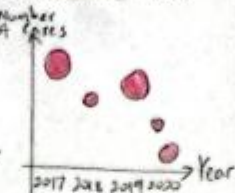
Not suitable as difficult to compare segments if sizes are similar



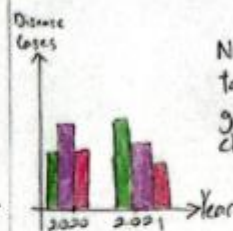
Grouped Bar Chart



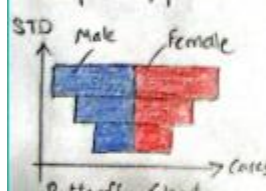
Grouped Bar Chart



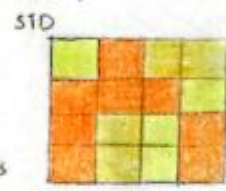
Bubble scatter plot



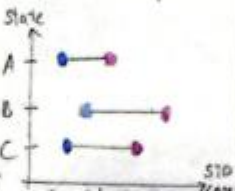
Not suitable as too similar to grouped bar chart.



Butterfly Chart



Heatmap



Dumbbell Chart



Stacked Area Chart



Donut Chart



Bump Chart



Choropleth Map



Proportional Symbol Map



Dot Map

CATEGORIZE

Overall Healthcare Trend

↓
Detailed Healthcare Analysis

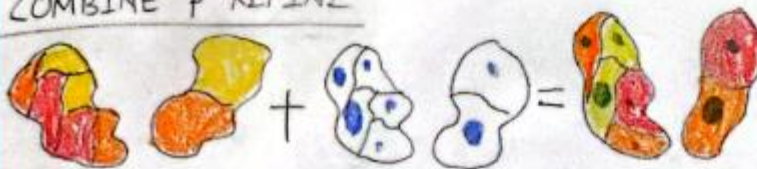
↓
Infectious Disease Overview

↓
Detailed Disease Analysis

QUESTION

1. Does the visualisation tell a clear story?
2. Is this visualisation executable?

COMBINE & REFINE

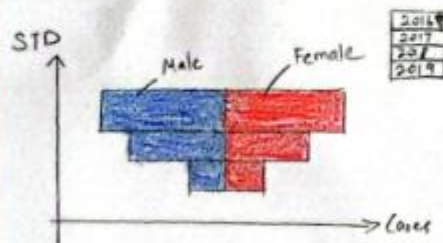
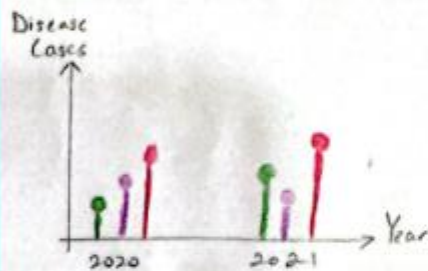
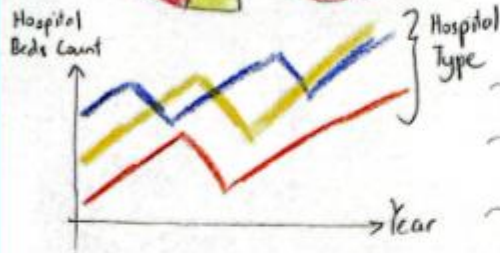


Combine the choropleth map and proportional symbol map.

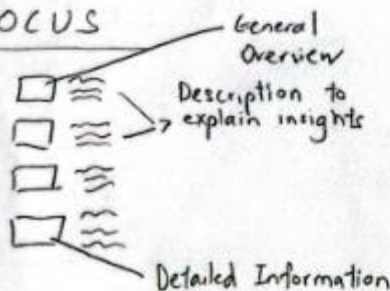
LAYOUT



Description



FOCUS



Top to bottom reading
Follow the flow of intended order.

Author: Samkiet Phromsuan

Date: 13/10/2025

Sheet: 2

Task: Vertical
Narrative
Layout

OPERATION



Tooltip that shows info when the cursor is hovered over.

2016 ▼
2017
2018
2019
2020
2021

Year filter that allows user to view data of a specific time

DISCUSSION

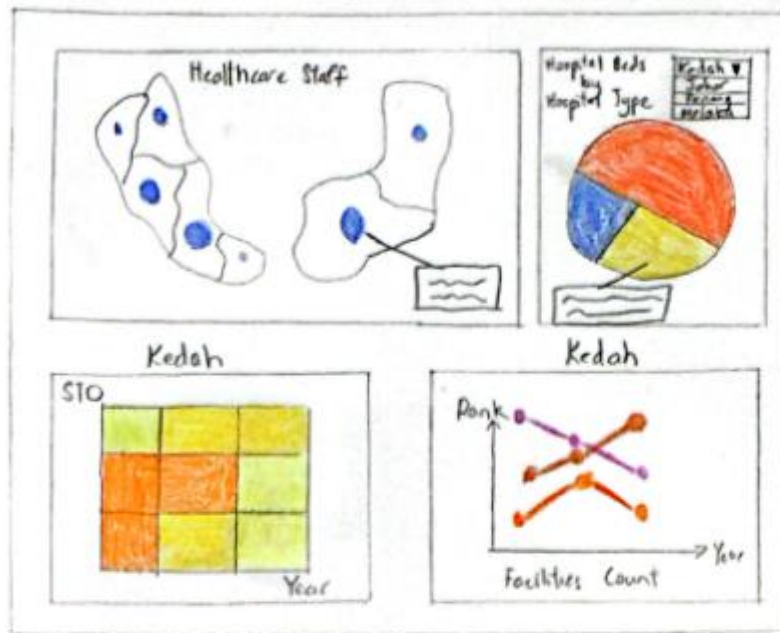
Advantages:

- 1) The idioms are arranged neatly.
- 2) Focus on one chart at a time.

Disadvantages:

- 1) Can feel long if not segmented with dividers.

LAYOUT



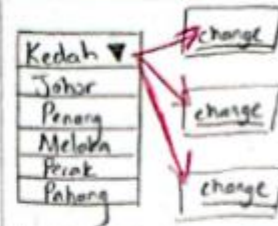
Author: Somkiat Phromsana

Date: 13/10/2025

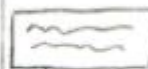
Sheet: 3

Task: Dashboard View

OPERATION

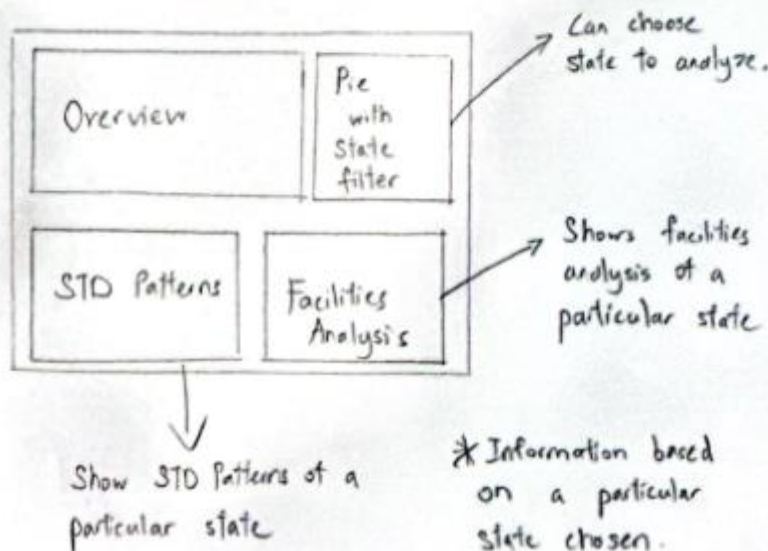


A state filter that also make changes to other charts.



Indicates vital information or idiom as annotations

FOCUS



DISCUSSION

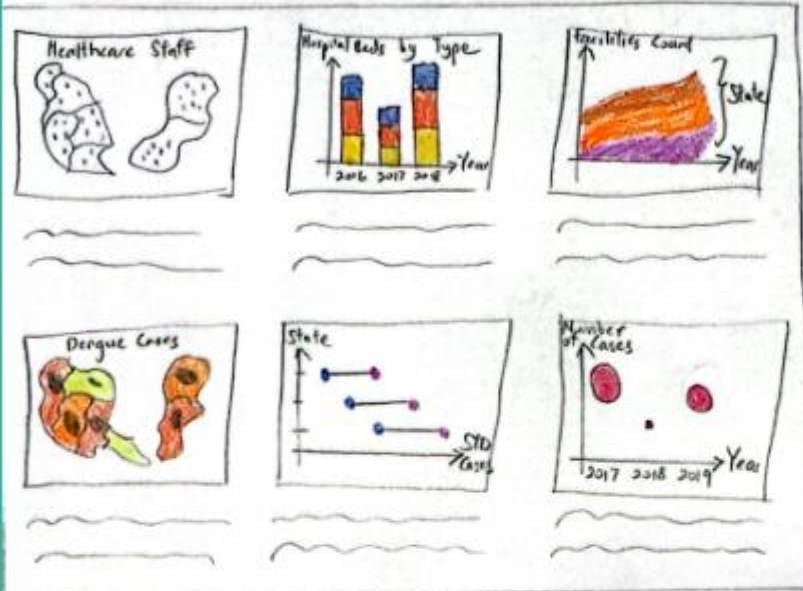
Advantages:

1) Detailed analysis on a specific state

Disadvantages:

1) Hard to compare between states.

LAYOUT



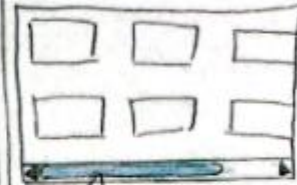
Author: Samkiet Phromsuvan

Date: 13/10/2025

Sheet: 4

Task: Horizontal
Layout

OPERATION



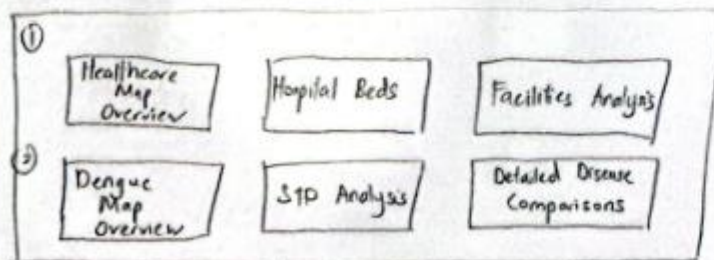
Horizontal Scroll Wheel



chart description

FOCUS

Horizontal Layout → Reader reads from left to right



- Reader reads general map overview data first before diving into more detailed analysis.

DISCUSSION

Advantages:

- 1) natural reading flow
- start broad, go deeper

Disadvantages:

- 1) Harder to compare charts
- 2) Viewer needs to scroll a lot.

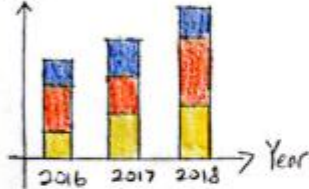
LAYOUT

MAIN TITLE

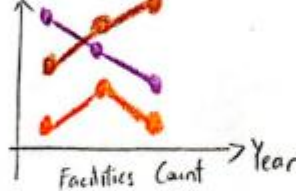
Section Title
Healthcare Staff



Hospital Beds
Count

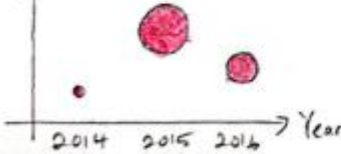


Rank

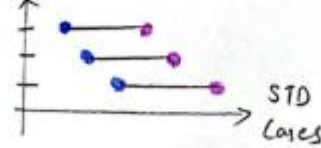


Section Title
Dengue Cases

Disease
Cases



State



DETAILS

- 1) Vega-Lite, HTML, Excel used for data cleaning and website development.
- 2) 5 days for idiom creation and 3 days for design completion.
- 3) Need high RAM Usage for decent processing in Vega-Lite.

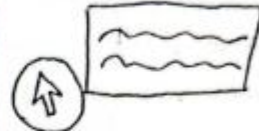
Author: Somkiat Phromsunar

Date: 13/10/2025

Sheet: 5

Task: Final Design
Sheet

OPERATION

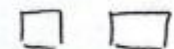


Hover over idiom
elements for tooltip
interactions.

Vertical Scroll
to allow users
to view idioms
freely.

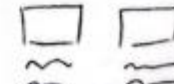
FOCUS

Section Title



Poster is
broken
down into
sections
for better
storytelling

Section Title



Top-down
narrative
flow

Every chart is paired with
description to enhance
viewer's reading experience.