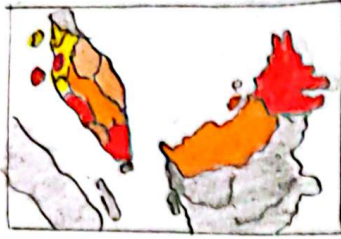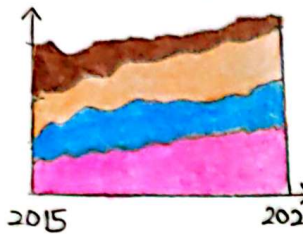# IDEA

① Chloropleth map

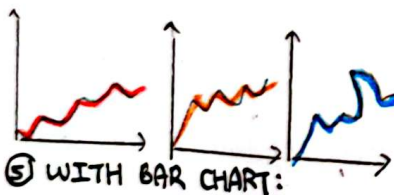
② STACKED AREA CHART
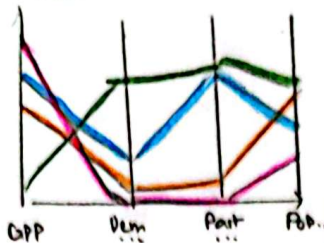

2015   2023

③ STREAM GRAPH

2015   2023
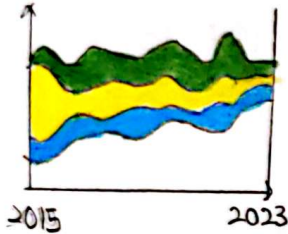
④ SMALL MULTIPLES WITH LINE CHRT:

⑤ WITH BAR CHART:

⑥ Parallel coordinate Plot:

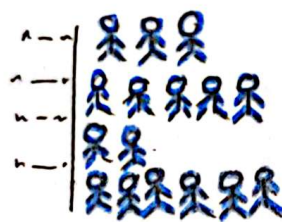GPP   Uem   Part   Pob...
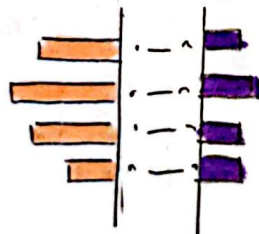
⑦ RADAR CHART

GDP

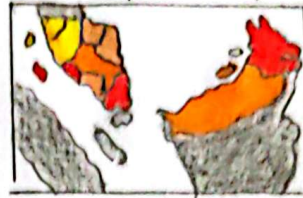Pop...   U em...

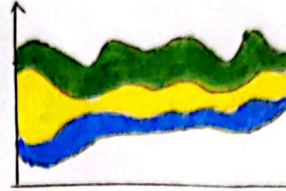Part...
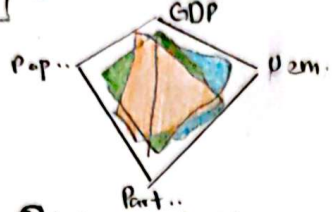
⑧ Lolipop chart:
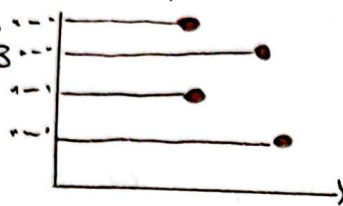
⑨ ISOTYPE:

⑩ Population pyramid

FILTER

① Chloropleth map

② streamgraph

⑤ Small multiples with bar charts
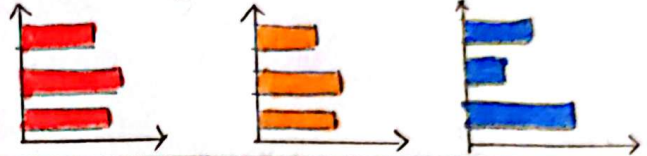
④ Parallel coordinate Plot
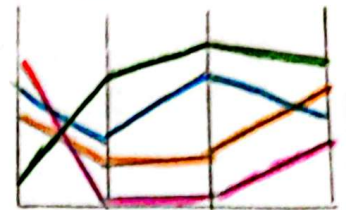
⑨ Isotype
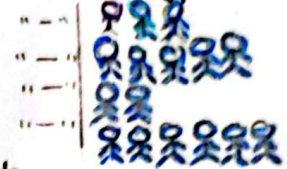
CATEGORIZE

Unemployment rate & labour market

  a. chloropleth map : ①
  b. Small multiples with bar charts . : ⑤
            ↓
GDP & the relationship with labour market.

  a. Parallel coordinate plot : ⑥
  b. stream graph : ③
            ↓
Underemployment

  a. Isotype : ⑨

COMBINE & REFINE

Isotype
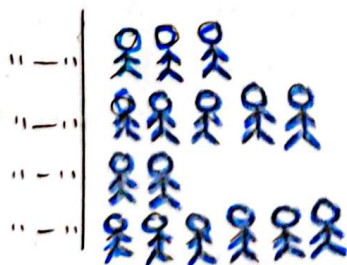
Small multiples with bar charts

QUESTION

1) Does the combination of isotype and bar small multiples too complex?

2) Is streamgraph the better choice than the stacked area chart?

LAYOUT

Title: Labor market & GDP in Malaysia
Author: Chua Wen Yang
Date: 02/10/2024
Sheet: 2
Task: Create layout for A2.

Labour Market & GDP in Malaysia

Subheading 1

Subheading 2

Subheading 3

Text

Subheading 4

Text

Subheading 5

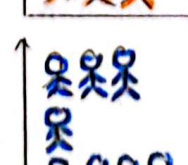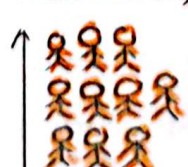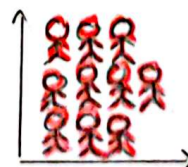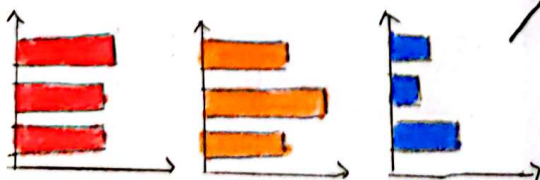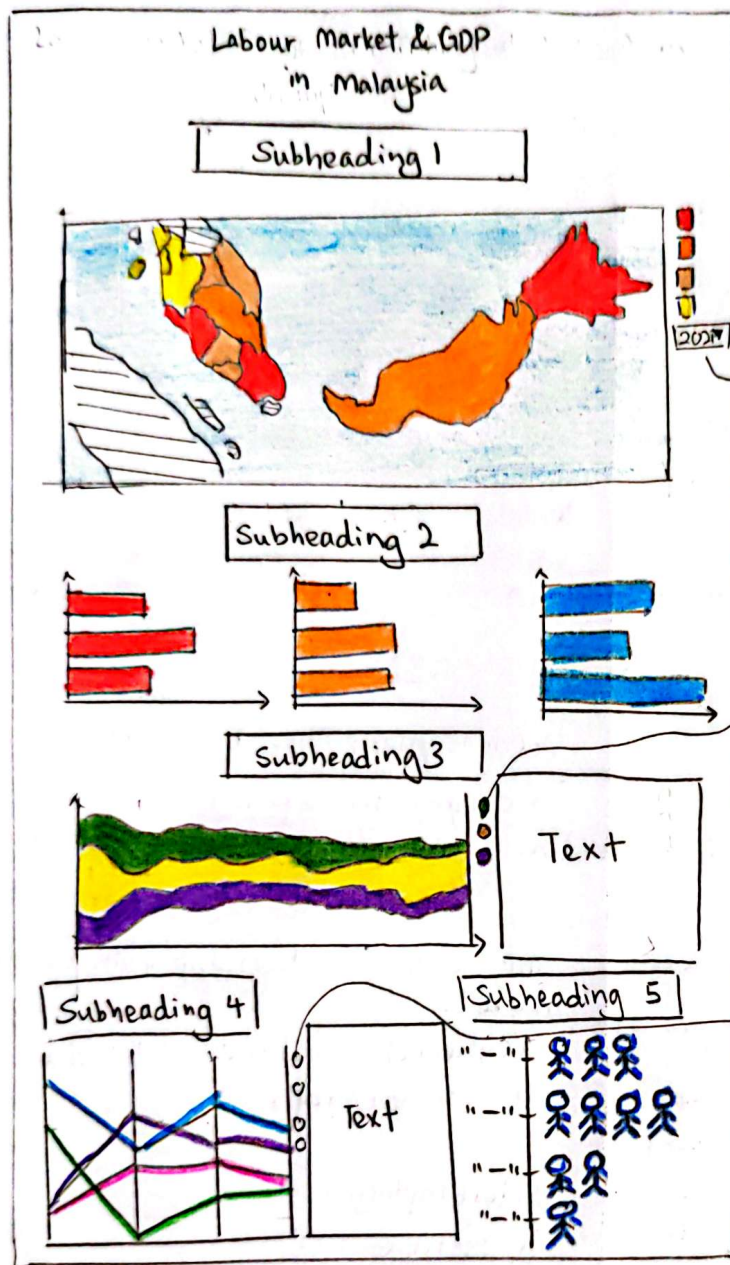## OPERATIONS:

→ Select the year can show the chloropleth map with the data on the selected year.

2023 ▼
2022
2021
2020

Select the legend can highlight the area of that region
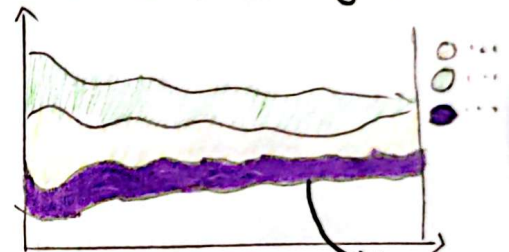
e.g. click on purple legend → highlight

Select the legend can highlight ↴ the line of that sector. highlight

→ h.l

FOCUS:

↳ Does not specifically focus on a chart, all are important.

↳ Viewer looks from top to bottom.

↳ Arrange from map, multiples, stream graph, and, parallel coordinate plot with isotype at the same level.

DISCUSSION:

Advantages:

↳ Layout will be balanced

↳ Less white space

Disadvantages:

↳ Crowded at the bottom since 2 graphs at the same level with text.

LAYOUT

Labour Market & GDP in Malaysia

Text

Subheading 1

Text

Subheading 2

Subheading 3

Text

Subheading 4

Text

Text

Subheading 5
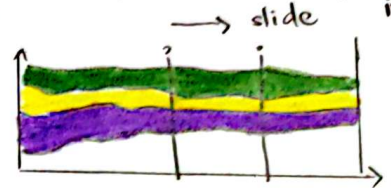
OPERATIONS:

Slide the box to magnify the graph to see the detail, the bottom graph shows it.

→ slide

Select the legend can highlight the area of that region

Select the legend can highlight the line of that sector.

FOCUS:

⤷ Does not specifically focus on a chart, all are important.

⤷ Viewer looks from top to bottom.

⤷ Arrange from map, small multiples, stream graph, parallel coordinate plot, isotype.

DISCUSSION:

Advantages:
  ⤷ Less white space
  ⤷ less crowded at bottom

Disadvantages:
  ⤷ Will lead to too many text
  ⤷ might be a little bit unbalanced.

LAYOUT

OPERATIONS:

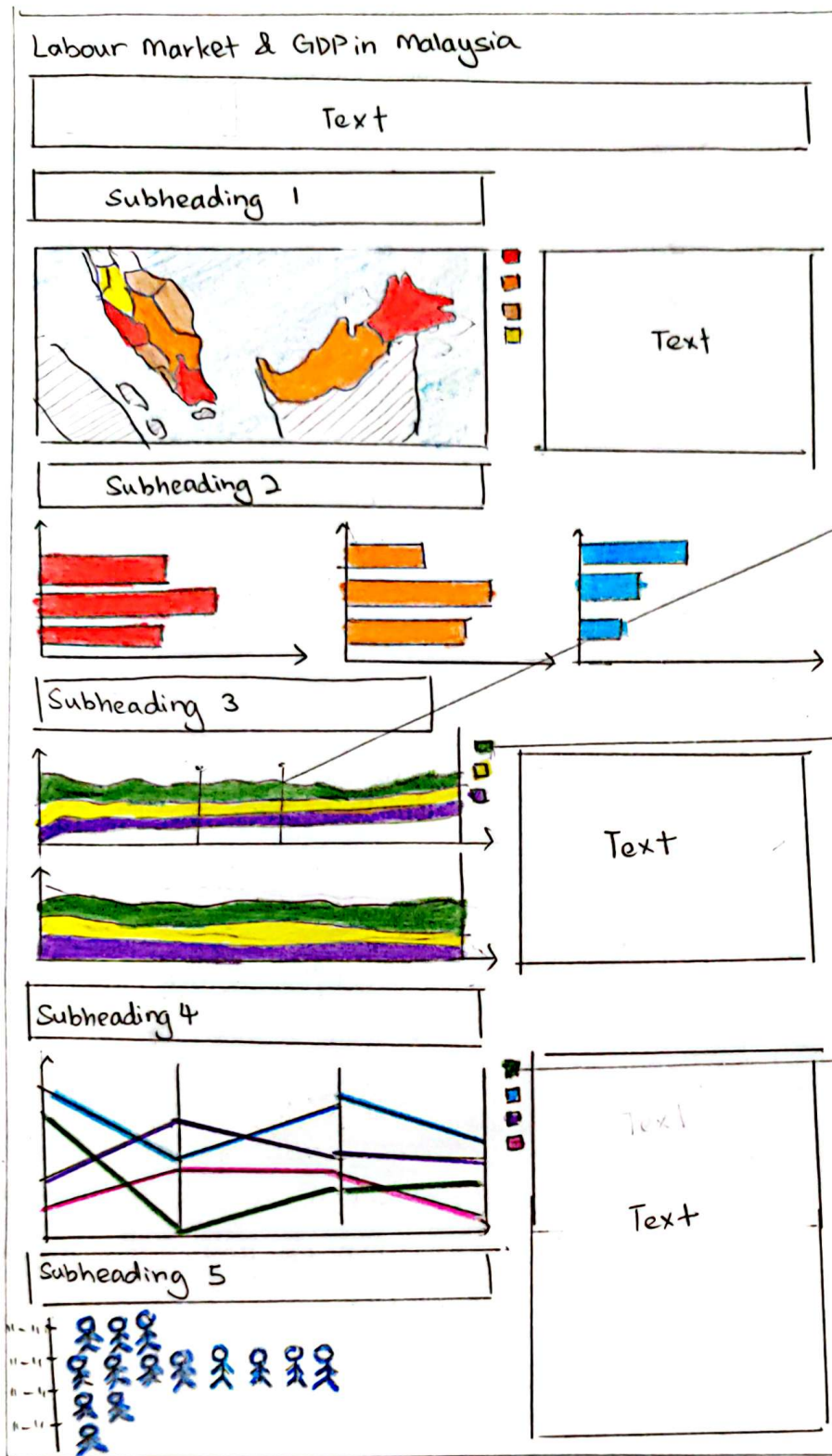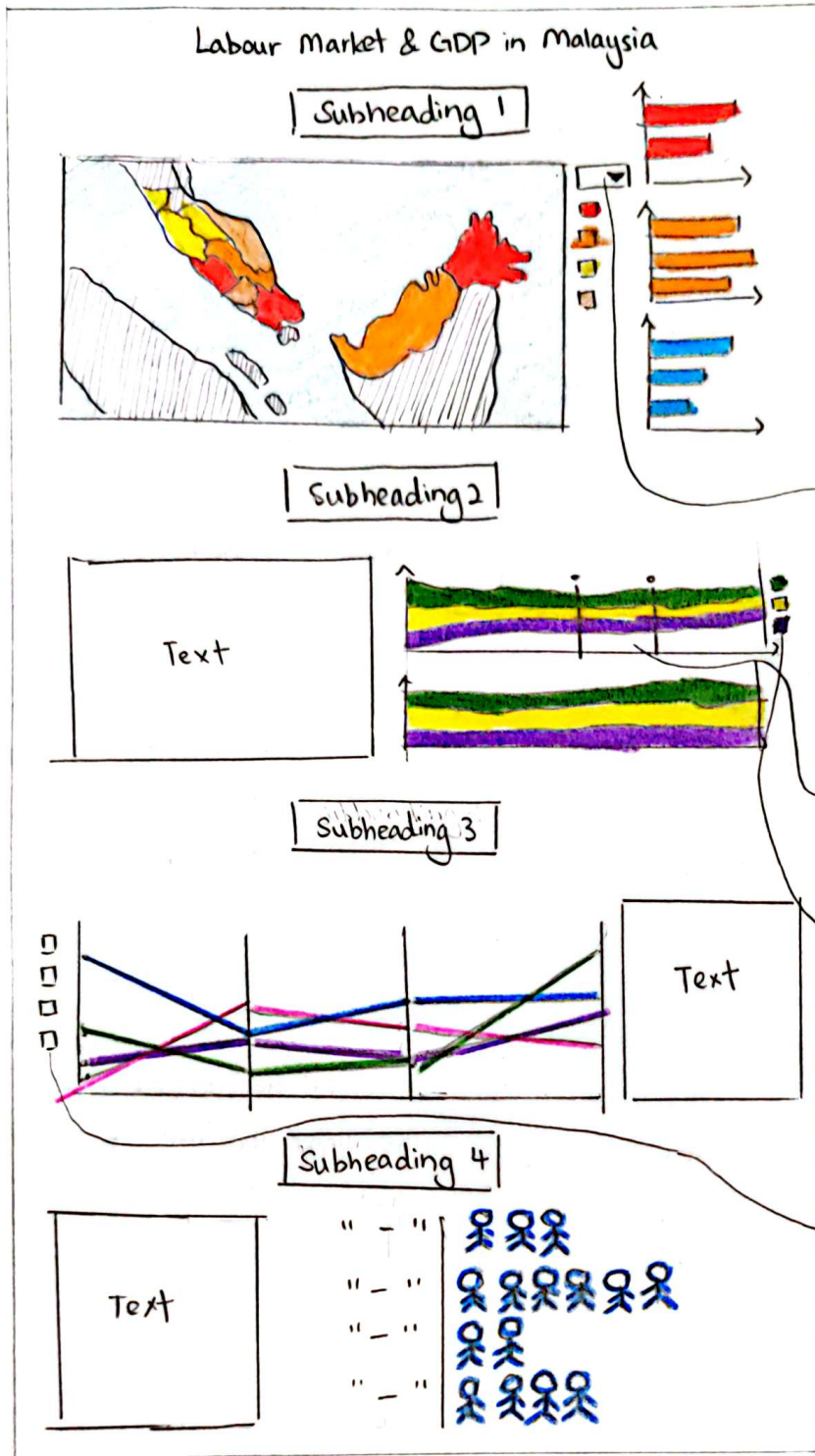→ Select the year can show the chloropleth map with the data on the selected year

→ Slide the box to magnify the graph to see the detail, the bottom graph shows the detail

→ Select the legend can highlight the area of that region in the graph.

→ Select the legend can highlight the line of that sector in the graph.

FOCUS:

↳ Does not ~~specify~~ specifically focus on a chart, all are important.

↳ Viewer looks from top to bottom.

↳ Arrange from map and small multiples, stream graph, parallel coordinate plot, and isotype.
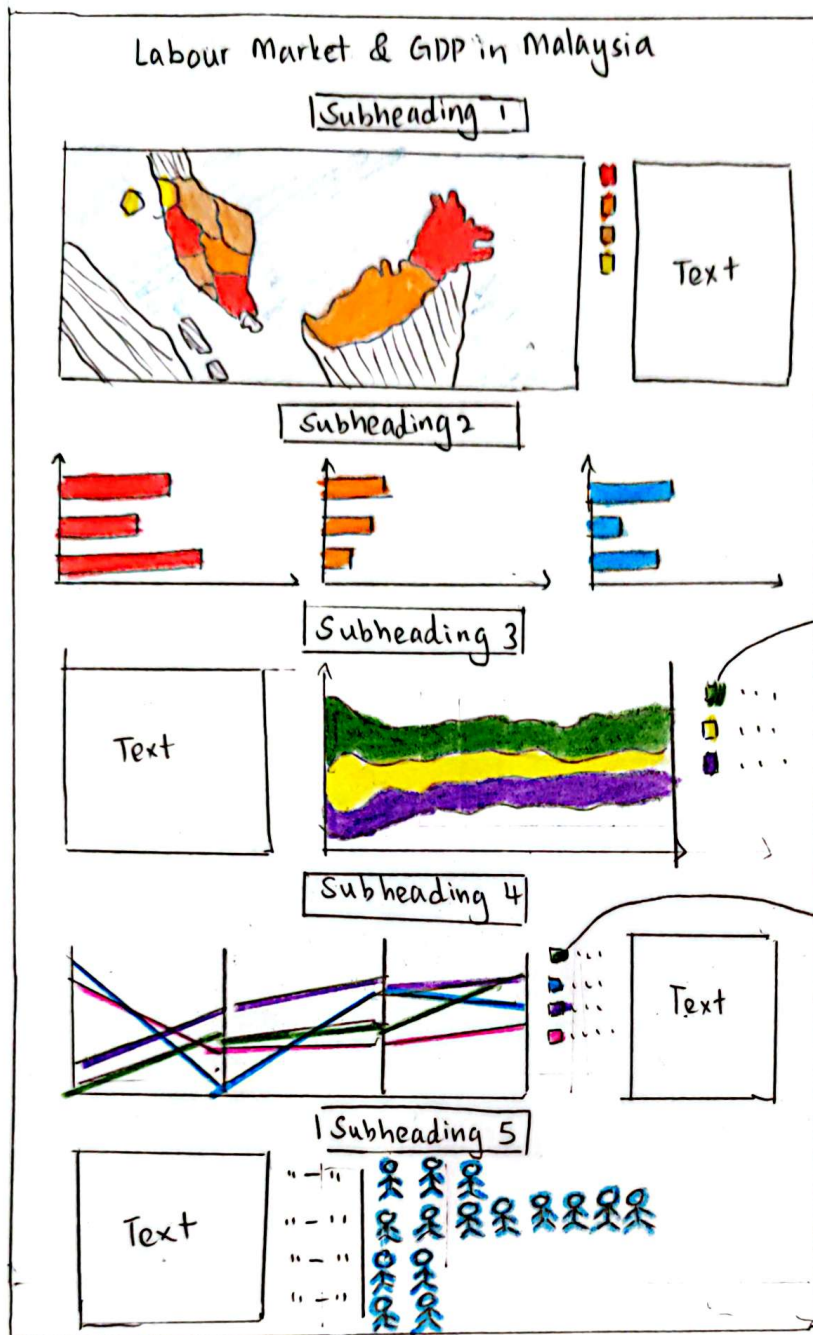
DISCUSSION:

Advantages:

↳ Layout will be balanced.

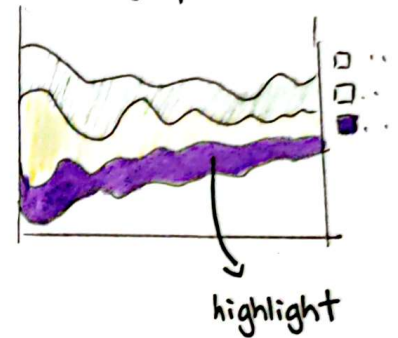↳ Less white space

Disadvantages:

↳ No specific disadvantages.

LAYOUT

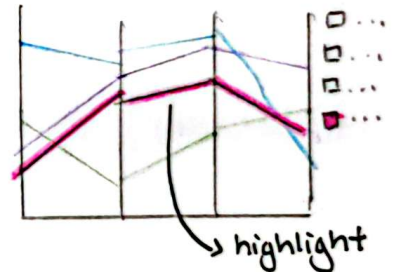Labour Market & GDP in Malaysia

Subheading 1

Text

Subheading 2

Subheading 3

Text

Subheading 4

Text

Subheading 5

Text

Operations

Select the legend can highlight the area of that region in the graph.

highlight

select the legend can highlight the line of that sector.

highlight

Focus

↳ Does not specifically focus on a chart, all are important.

↳ Viewer looks from top to bottom.

↳ Arrange from map, small multiples, stream graph, parallel coordinate plot, and isotype.

Details

↳ Dependencies:
Vega-lite for creating visualisation, Excel for processing data, then HTML & CSS for aligning layout.

↳ Estimated time:
1 day for data processing,
3 days for visualisation,
3 days for aligning layout, colour, typography

↳ No specific requirement