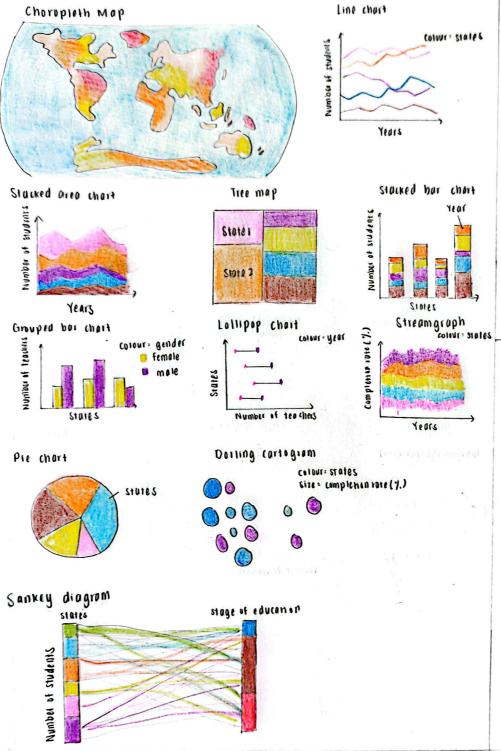
# IDEAS



# Stucked bar chart rear

Similar to line chart, conveying the same meaning & line chart can visualise the trend more easily

#### Tree map



· Not very informative if the quantitative attribute has small difference

## CATEGORISE

Global secondary education

Overview of student data

· Number of students over time

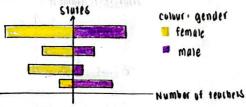
· Completion rute (:) of students

Overview of teacher data. Number of teaches over time. Gender distribution of teaches.

Dive deeper into the distribution of students in other studes except secondary education

## COMBINE & REFINE

. Can consider butterfly chart instead of grouped bar chart for easter comparison



Can create radial chart instead of pie chart to emphasize mile on the completion rate (7.) of students



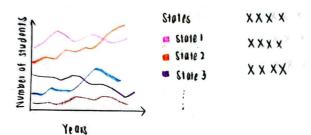
## QUESTION

- 1) Is the visualisation informative enough?
- 2) Is sankey diagram very hard to imprement using veganite?

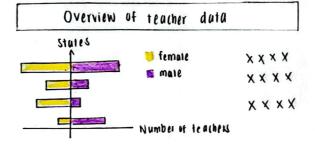
Secondary Education in Molaysia

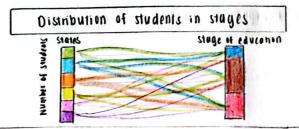


Overview of student data









Title: Secondary Education Acces S and Quality in Malaysia

Author: Cormin Liew Jia Wen

Date: 6-10-2024

Sheet: 2

Task: Scrollable interactive poster

# OPERATIONS

Year -- 2017

· User can drag the slider and observe the changes of enrillment ratio over time

States

- a State 1 , chik!
- Stote 2
- State 3

· User can click and focus in the trend for that particular state

## FOCUS

It is focusing on 4 main sections for the storytelling:

- (hous on global first)
- 1 Student
  - · Number of student
  - · Completion rute
- 3 Teacher
  - . Gender distribution
- (4) Distribution of students in stages

## DISCUSSION

Advantages:

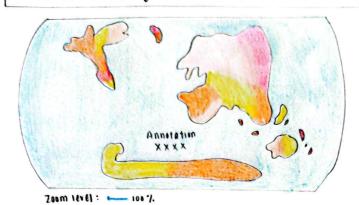
- · sections are divided evenly
- · headings and subheadings show a clear story

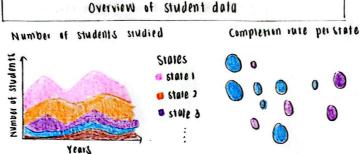
Disadvantages:

- . Not much user iteraction
- . Too many empty spaces

# Secondary Education in Malaysia

Global Secondary Education Environt Rutio, 2021



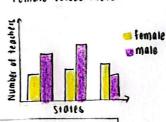


Overview of teacher data

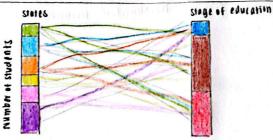
Percentage L'1.) of teachers

Female versus Male





Student distribution States



The sections are divided Similar to sheet 2 . However, the charts are place side-by-side by providing more charts & information.

FOCUS

Cortugrum is used here to show user clearly on which pan is the state beiongs to with complement

Title: Secondary Education Access and Quality in Malaysia

Author: Carmen Liew Jia Wen

Date: 6-10-2014

Sheet . 3

Task : Scrollable interactive pusier 2

# OPERATIONS

Zuom level : -- 100%.

· User can drug and zoom to see the enniment rond of each country in details.



· User can hover the cursor and it will highlight the particular section ( figure-grund)

· Users can click on the bar from the grouped bar chart to focus on one specific state

#### DISCUSSION

#### Advantages:

- · Sections are divided evenly, allow users to follow the flow
- · Encode more data compared to sheet 2 ( 6 charts)

#### Disadvantages:

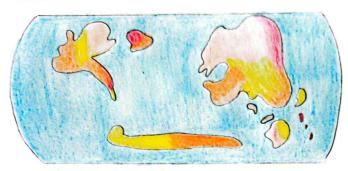
- . Less explanation for each chart
- · Dorning cuitogram may be haid to implemen

# LAYOUT

# Secondary Education in Malaysia



Global Education Ratio, 2021 -



Zoom level: --- 100%.

Demographics of Student & Teacher .

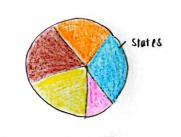
Number of students (2016-2021)

States

Store 2

Store 3

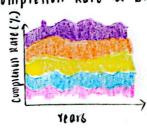
Proportion of teachers (2016-2021)



Select Year : V

Completion Rate & Distribution of Student

colour: Stutes



States St

FOCUS

It is mainly focusing on:

- (1) Global Education
- 2 Demographics Student
- 3 Completion rute & Distribution of student

Unlike sheet 2 and 3 that foused on student first and then teacher, this sheet is focused on the demographics for both student and teacher, following by the outcome, including completion rate and distribution of student.

Title: Secondary Education
Access and Quality in
Malaysia

Author: Carmen Liew Jia Wen

Date: 7-10-2024

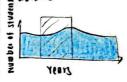
Sheet: 4

Task : Scrollable interative poster 3

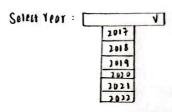
## OPERATIONS

Zoom level : --- 100%.

· User can drug and zoom to see the enriment ratio of each country in edetails



· Brusher, user can highlight and drag to see the trend for a specific year (Line chart)



· User con select a specific year to see the proportion of teachers (pie chart)

## DISCUSSION

Advantages .

- . good user interaction
- · utilise empty space nicely
- · Clear headings and subheadings

## Disadvantages:

- · An charts look simple except sonkey diagram
- · Lack of thorough explanation for

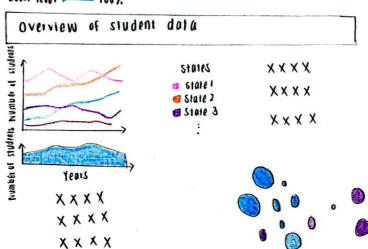
# LAYOUT

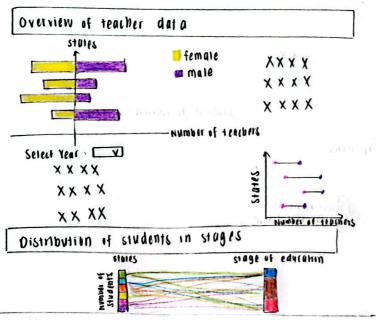
\* Based on sheet 2

# Secondary Education in Malaysia



Zoom level --- 100%





FOCUS

It is also focusing on 4 sections:

- 1) Global Education
- 2) Student
- 3) Teacher
- 4) Distribution of students

Title: Secondary Education Access and Quality in Malaysia

Aumor: Caimen Liew Jio Wen

Date: 7-10-2024

Sheet: 5

Task: Final sheet with scottable and high user interaction poster

### OPERATIONS

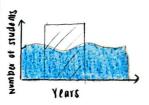
Zoom level - 100%.

· User can drag the slider and observe the changes of enrolment rand over time

#### Stotes

State 1 - Click!

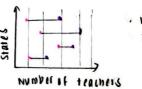
viser can click and focus on the trend for that particular state



. Brusher for more interaction, user can highlight and drog to see the trend for a specific year

Select Year:

· User can select a specific year



User can scroll to

#### DETAIL

- Vega-lite and maybe vega for cartogram and sankey diagram, dataset in LSV file
- Needs around 20 hours to build all idioms & 6 hours to research by understanding the him. css and ison code
- . Do data cleaning before implementation