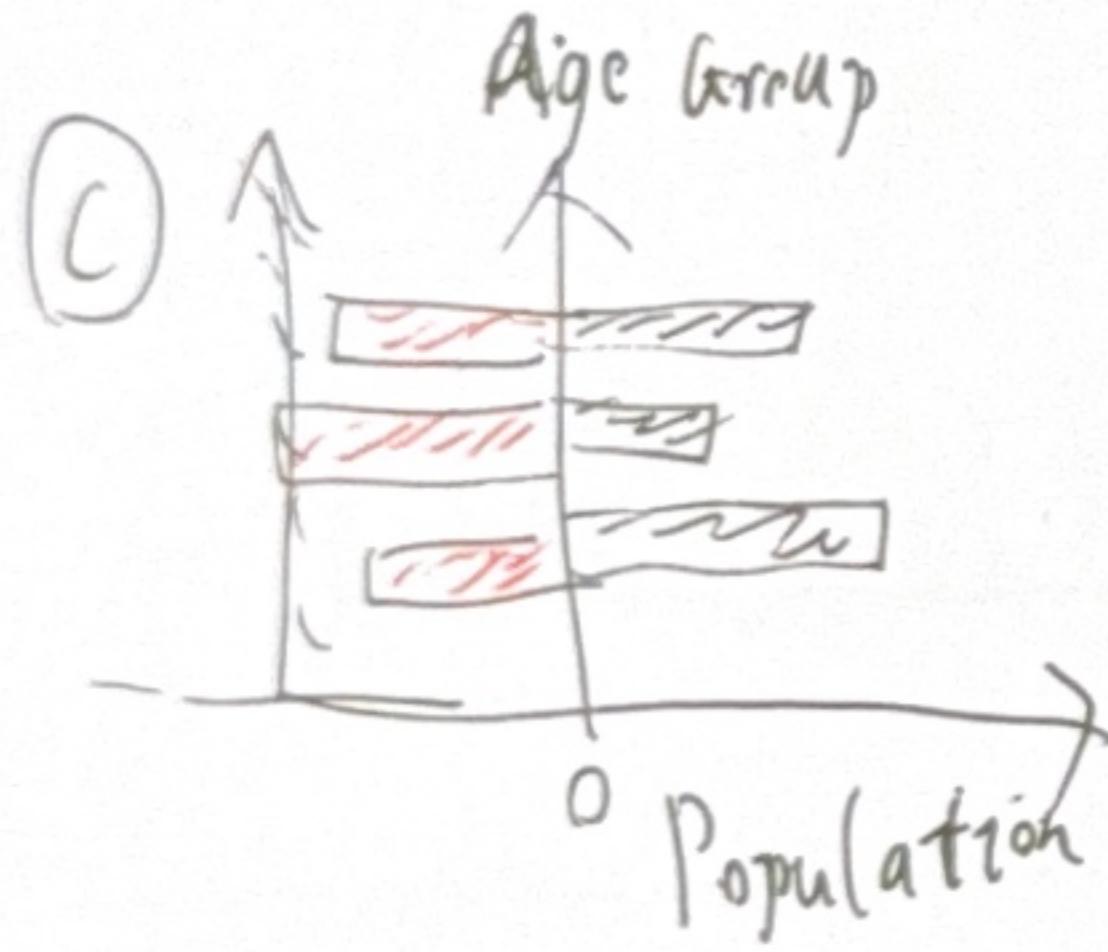
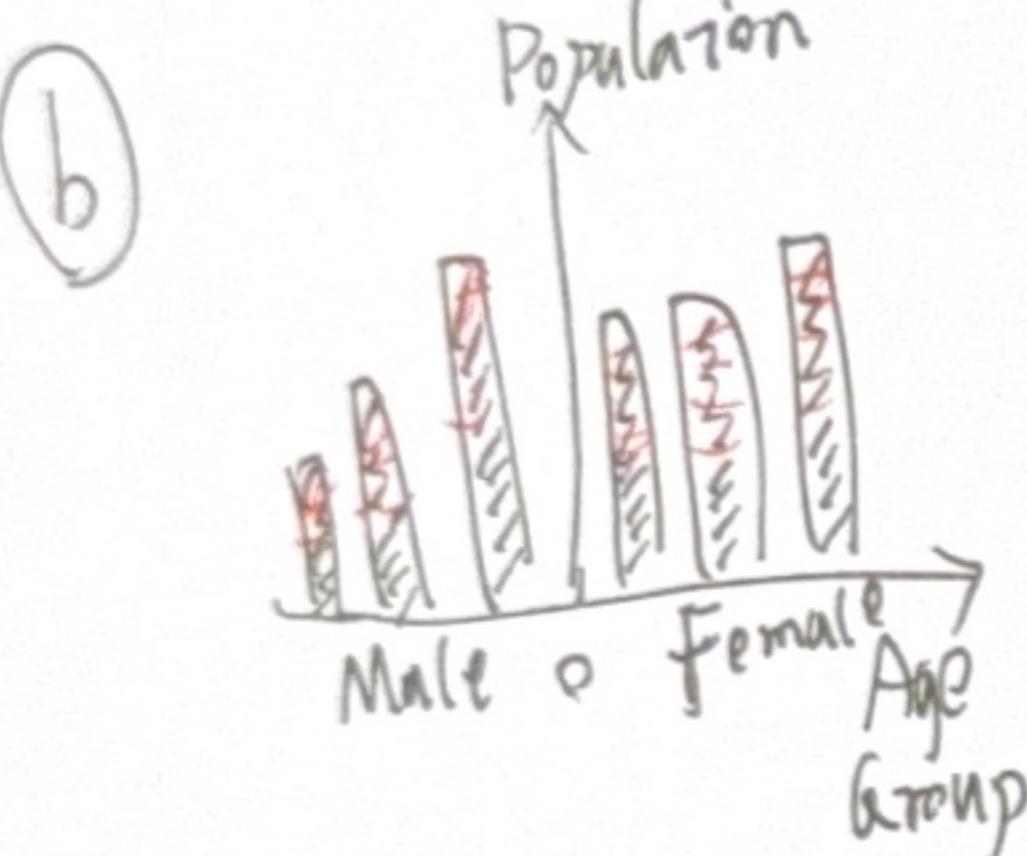
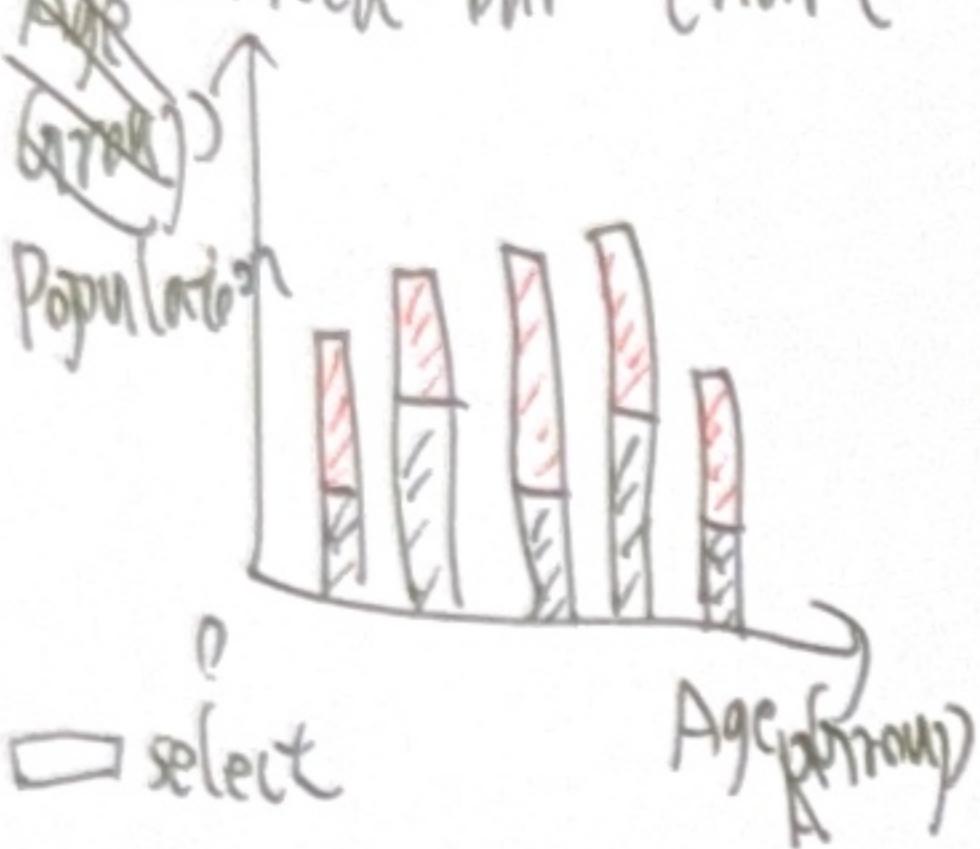


I. Ideas

Objective 1: (Categorical Visualization)

A. Population by Group Age

(a) and Gender



B. Population by State

(a) Map

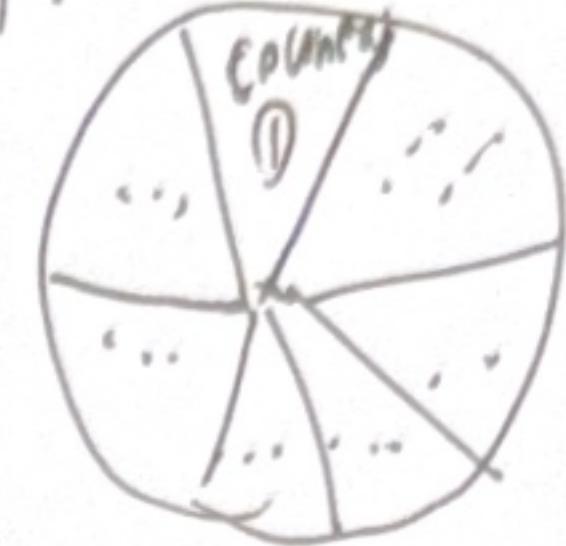


(b)

state
State ①
State ②

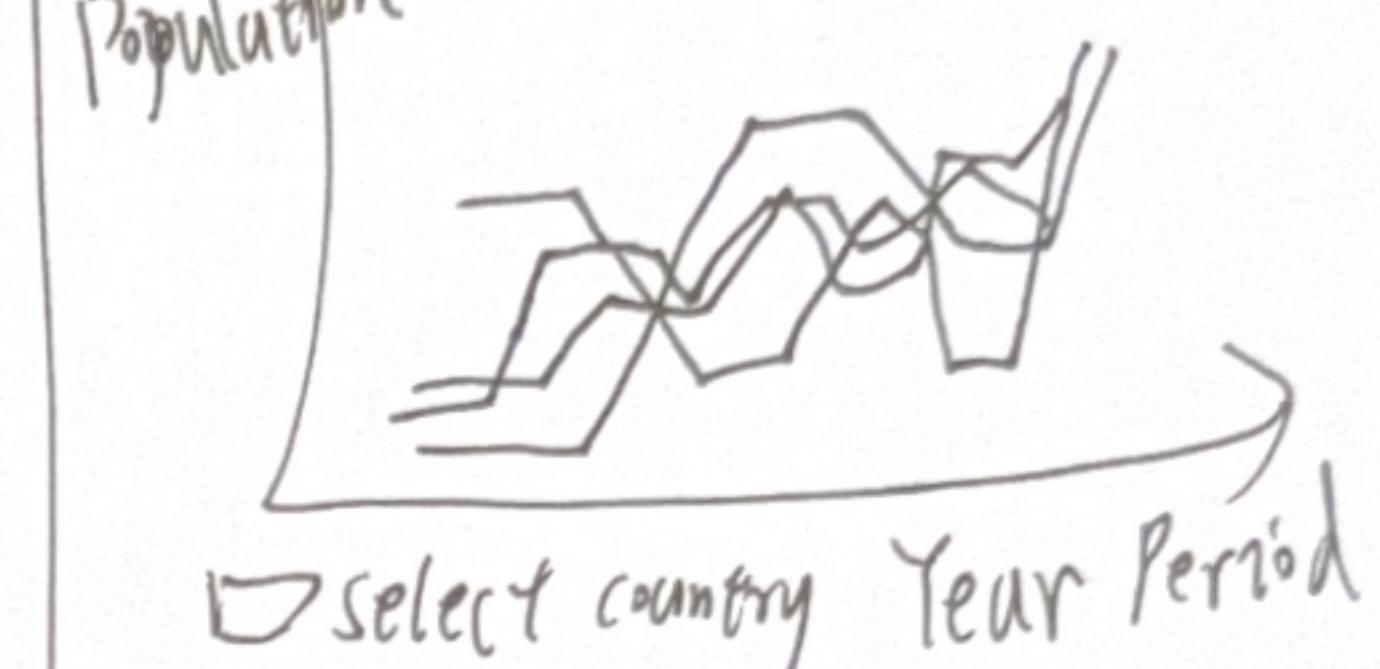
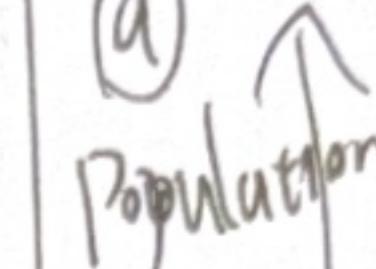


(b) pie



D. Arrival Year

(a) Line



(b)



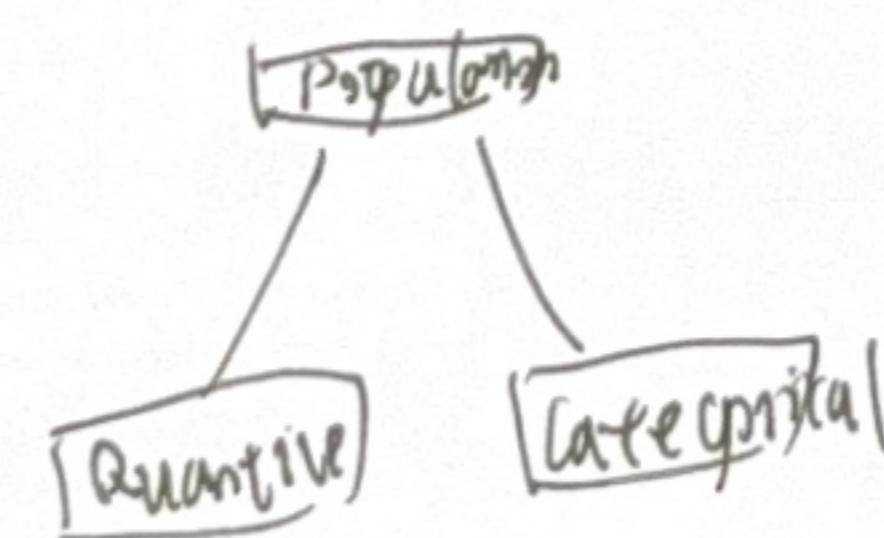
2. Filter

D.(b) is ~~not~~ not convenient for user, compared to (a).

Therefore, the (a) is dominate

(b). But the country selection is too simple, maybe need more thought about this.

3. Categorise



key factor: Population

key factor: State, Gender, Country.

4. Question

- These Graphs are too simple, and the filter or slider is not smart, maybe there are some strategies I can use for these graphs.

Author: Zeyu Lin

Date: 11/10/2024

Sheet: 1

Task: Planning Visualization

Layout:



Focus:

This visualization focuses on visualized the key features to the users. All the key values are represented in the graphs, and user can explore the graphs as they want.

Title: Australia Resident Profile in 2021 census

Author: Zeyu Lin

Date: 2/10/2024

Sheet: 2

Task: Fit 3179 Assignment 2

Operation:

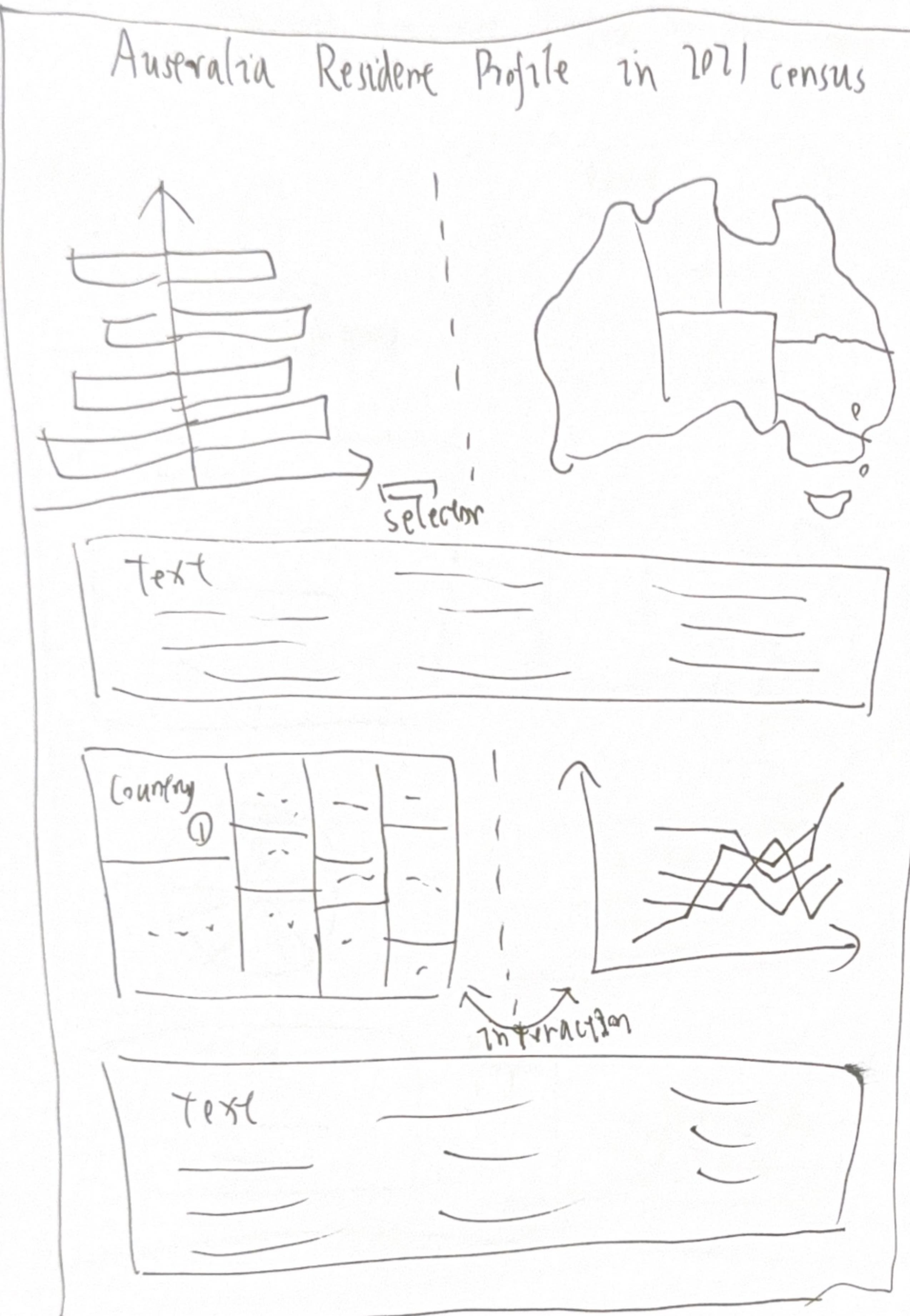
There is one operation, which is a selection below the normal bar chart. It can control both the bar chart and the line chart at the same time.

Discussion:

Advantage: It provides a good visualization for user to explore the data according to their requirements.

Disadvantage: It might be too simple, and not much interactions with the graph. Also, the text takes up very small percentages, which is out of balance.

Layout:



Title: Australia Residence Profile
in 2021 census
Author: Zeyu Lin
Date: 2/10/2024
Sheet: 3
Task: FIT3179 Assignment 2

Operation:

- There is a selector under the bar chart. It can be used to select the ~~countries~~ states to show the data visualization of that state.
- There is a interaction between the graphs of last two graphs. When select the area of one country, the arrival year of the selected country will be shown alone. Double click anywhere around the graphs. can reset the filter.

Focus:

This visualization focuses on the graphs. Therefore the four graphs take on the most of the space. And thanks to this, the white space is not a problem. User can explore the graphs to get what they are interested in.

Discussion:

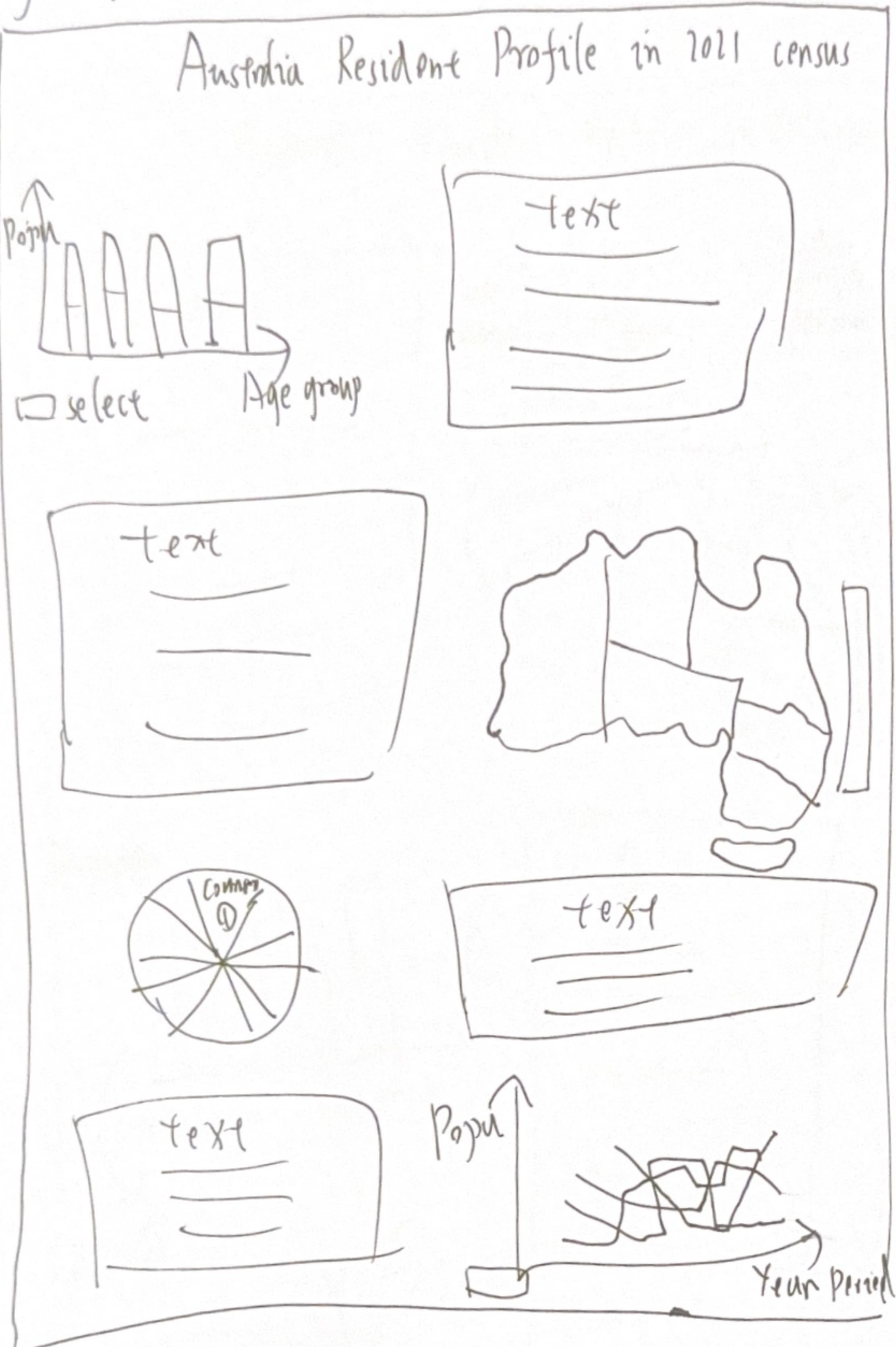
Advantage:

The graphs are show in the main area, and user can explore any data and information as they want.

Disadvantage:

The text might be outbalance compared with the four graphs.

Layout:



Focus:

This visualization is focus on the graphs and text balanced. each graph represents a story. Combined is a story telling format. It will give a good story as user read and manipulate through the visualization.

Title: Australia Resident Profile
Author: Zeyn Lin
Date: 3/10/2024
Sheet: 4
Task: FIT3179 Assignment 2

Operation:

There are two selection bar, one is under the bar chart, and another is under the line chart.

They can selector different factors to control the graphs respectively.

Discussion:

Advantage:

It can perform a good story telling by combining the graph and text.

Disadvantage:

The graph and text might be too simple. Not much data to show.

Layout:



Title: Australia Resident Profile
in 2021 census
Author: Zeyn Lin
Data: 3/10/2024
Sheet: 5
Task: FIT3179 Assignment 2

Operation:

- The map can have a selection when user click an area. And the stacked bar chart will react to the selected area.
- This is similar to the one above, ~~when~~ when do the selection on the normal bar chart, the selected country will be highlighted, and the line of the selected country will be showed alone.
- To reset these two filter, just click the area around the graph.

Focus:

This visualization focus on the interaction of graphs, this will enhance the connection between data. Also, the text here is very important, it need to highlight the content of these key information.

Discussion:

Advantage:

The interaction can make the user ~~to~~ explore the graph and the data. ~~Without the text,~~

disadvantage:

The text may take more space than others. it might make visualization out of balance.