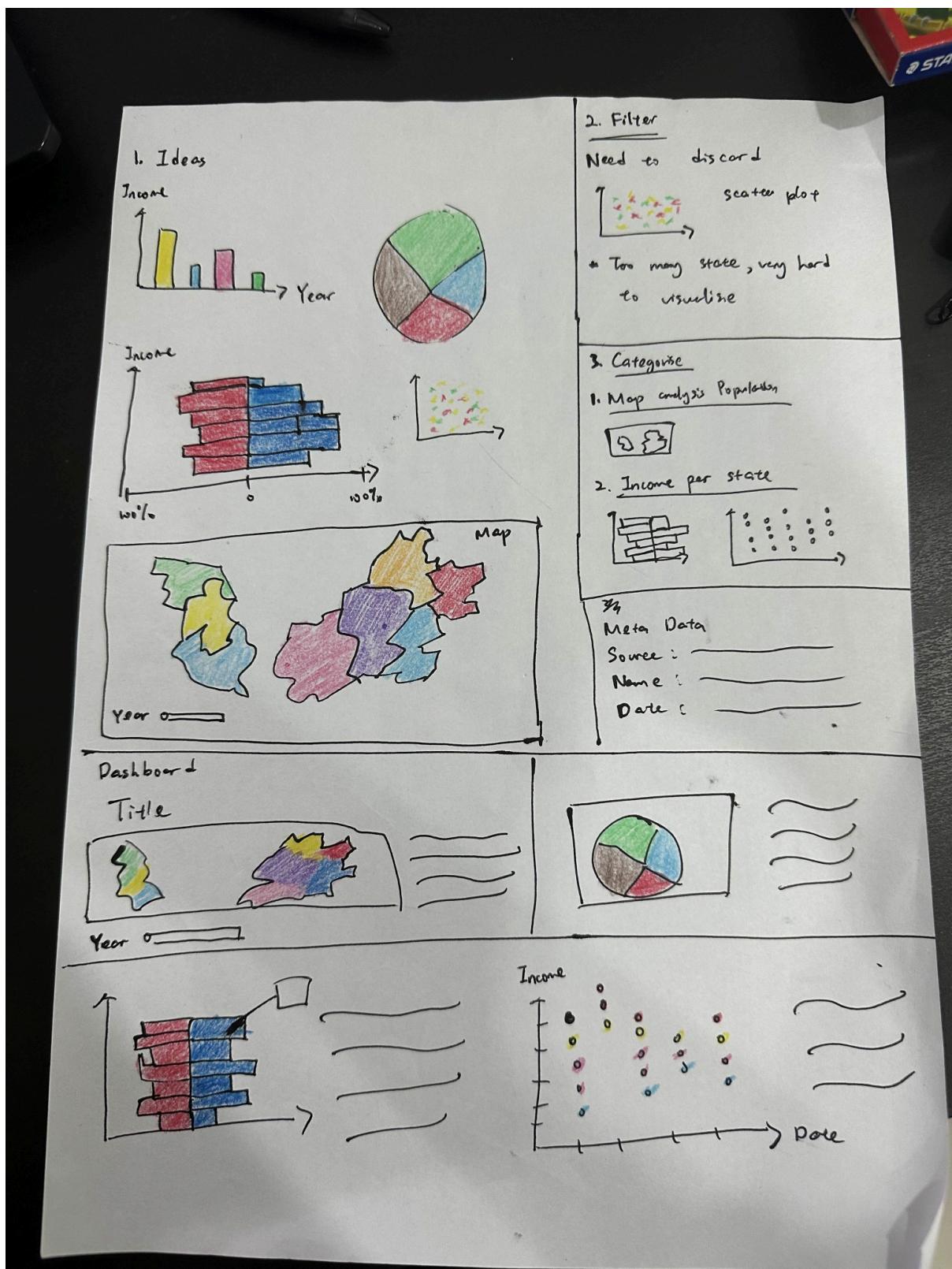
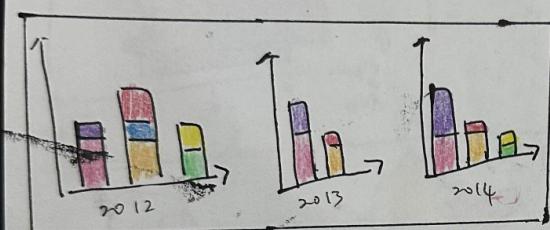


# Sheet 1

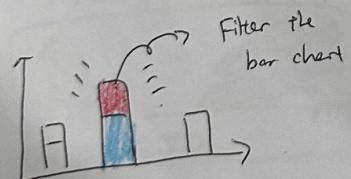


Sheet2

Layout



Focus



Title: Malaysia Demographic and Income Relationship

Author: Lim Jin Kee

sheet: 2

Date: 14 Oct 2024

Task: Analyse demographic of Malaysia States

Operation

1. Analyse the population trend of malaysia
2. Show the relationship of population and birth rate
3. Use small multiple to properly compare between years

Discussion

» Positive:

- ↳ Show the map population changes easily

↳ Compare the bar chart value by year easily

» Negative:

↳ Very time consuming to make map chart

↳ Small multiple will be hard to fit into dashboard.

Sheet3:

Layout

Income

Date

State

tooltip

Income

State

tooltip

Income

State

tooltip

Income

State

tooltip

Income

State

Title: Monthly Income Trend by State

Author: Lim Jun Kee

Date: 14 October 2024

Sheet: 3

Task: Analyze Income trend

Operations

- View the relationship between income and state
- Easily filter the demanded part of dot plot
- Compare Income between states

Discussion

- Positive**
  - Easily compare Income between States
  - Show trend of Income easily
- Negative**
  - Very troublesome to make the filter function
  - Graph consists of too many states

\* Basically, we can filter and show the filtered part which is the square part and the bar chart will show which state is being filtered now.

Sheet4:

Layout

Income Amount

Date

Tool-tip

State

Title : Average Income charged difference

Author : Lim Jun Kee

Date : 14 October 2024

Sheet : 4

Task: Analyse mostly income charged

---

Operation

1. Filter radial chart base on year
2. Compare difference between mostly income ad malaysian

---

Discussion

⇒ Positive

1. Easily filter states in come
2. Have a clear radial chart to easily interpret file information

⇒ Negative

1. Time consuming to implement filter
2. Time consuming to preprocess data for waterfall chart

Focus

Basically change radial chart based on year

Year 0

Year 1

Highly popped part

Tool-tip

Sheet5:

Layouts

**Malaysian Demographics and Economy**

**Title:** Malaysian Demographic and Economy

**Author:** Lim Jim Kee

**Sheet:** 5

**Date:** 15 Oct 2024

**Task:** Analyze the Relationship

**Operations:**

1. Filter top 6 states average income
2. Compare Salary gap per month
3. Visualise the demographic of malaysian

Focus

Year 0

2010 2011 2012

⇒

Year 1

2010 2011

**Details**

1. Description of algorithm
  - ↳ Use multiple layer to construct map
2. Dependencies
  - ↳ HTML
  - ↳ VegaLite
  - ↳ JavaScript
3. Implementations
  - ↳ Data Summarize: 2 days
  - ↳ Data design: 3 days
  - ↳ Testing: 1 days
4. Special Requirements
  - ↳ Windows 7,10,11