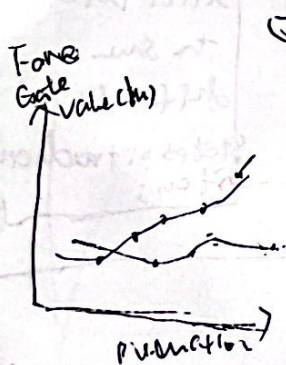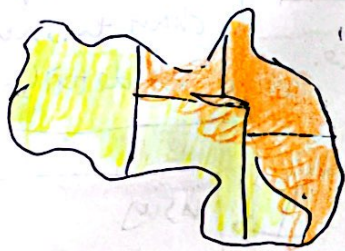# Ideas
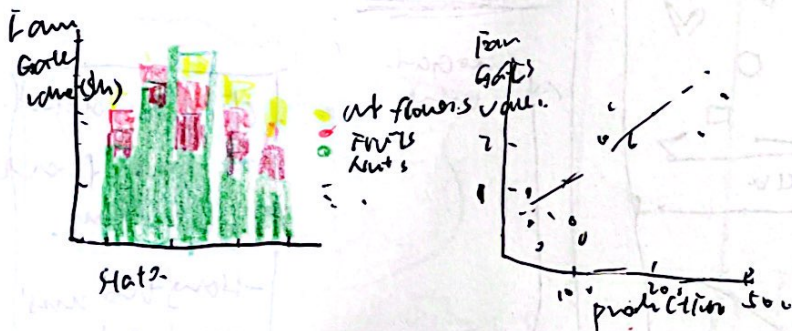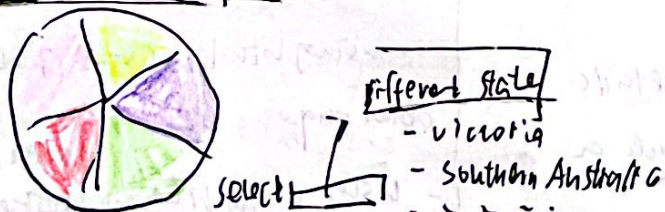
visualising the distribution of horticultural crop production and farm gate value across Australian states for 2022-2023.

Data exploration
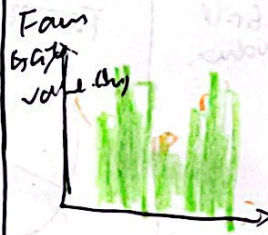

Farm Gate value($m)

- cut flowers value
- Fruits
- Nuts

State

Farm Gate value

production

Farm Gate value ($m)

Farm Gate value ($m)

production

Color represent different horticultural crops.

Combine & refine..

Different state
- Victoria
- Southern Australia

select
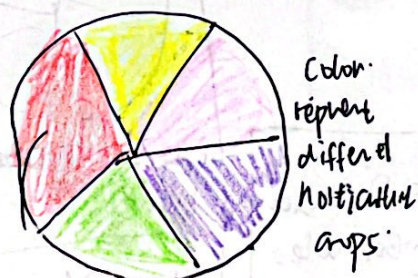
Filter

Farm Gate value ($m)

state

Farm Gate value

Categorize

Fruits
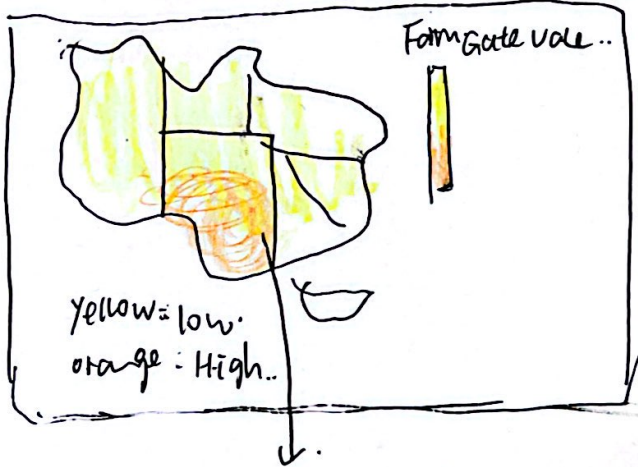↓
Vegetables
↓
Nuts
↓
cut flowers
↓
Nurseries
↓
Turf

Question?

How can we visualize and compare the economic contributions of horticultural crop production across different Australian states in 2022-2023, and identify which regions..?
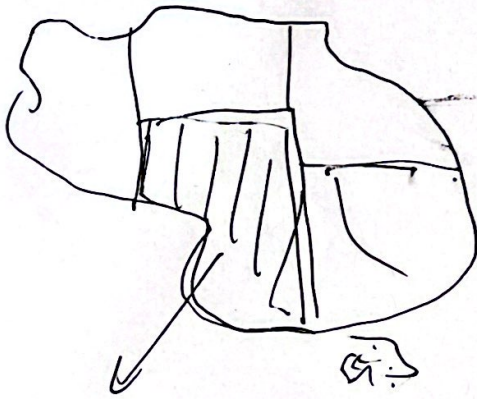
Layout:

Dashboard view for Australia Farm Gatevale.

Yellow = low.
orange = High.

State: Victoria.
Farm Gate vale: $.....

Focus:

- Highlight the different States Farm Gate vale.
- we can see the different state comparisation on the map directly.

Operations:

Click for detail of the state and Farm Gate vale.
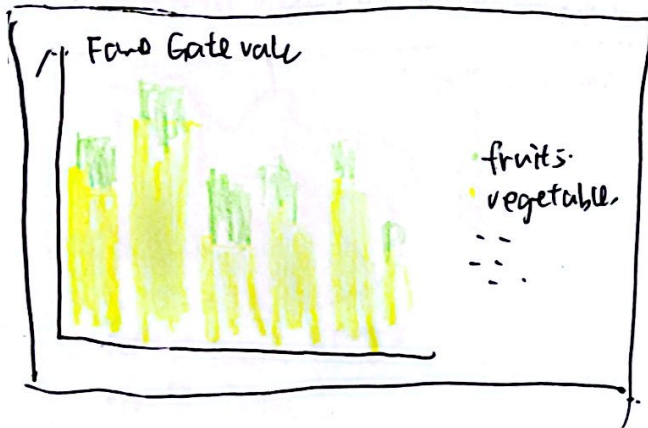- Hang the mouse on the map stall, it will show the detail
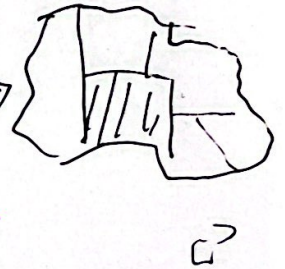
Discussion:

- what different visualisation methods can I use to represent this data?

- How does each visualisation option help users better understand the data?

- Which design concepts best highlight the key insights in the data?

LAYout:

In-deep analysis for Farm Gate value ($m)

Farm Gate value

- fruits.
- vegetable.
- : -
- : .

FGV

Operations:

Farm Gate value

state.

Click for detail of the different Horticultural crops -Hang the mouse. on the bar chart, it will show detail.
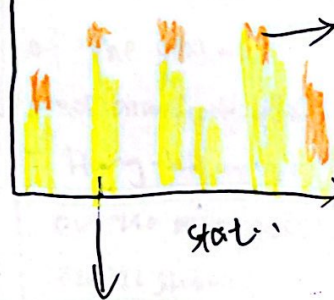
state = victoria.
product: Fruit.
Farm Gate value: $

Focus:

It focus on different Data items
(Cut flowes, fruits, Nuts, vegetables. when
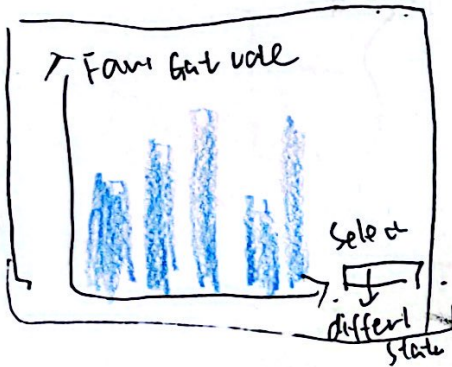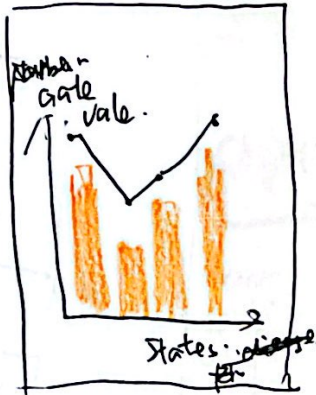to disguish with total value in map

Discussion:

- Among the potential visulisations, which one is the most intuitive and why?

- Are any of the designs too complex and likely to confuse users?

- Does the chosen solution clearly convey the most important information in the data?

LAYout:

Introducing something special in the different Horticultural.

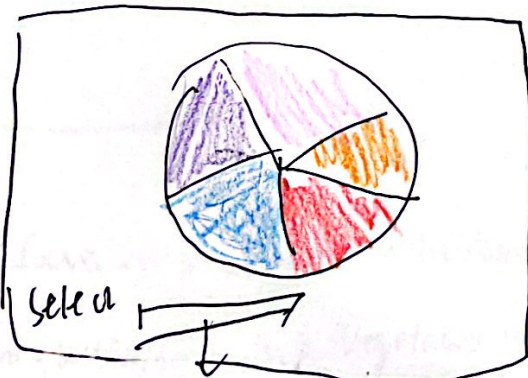- Colour represents different Horticultural specific items

Operations:

using a selection box to distish different states or production items
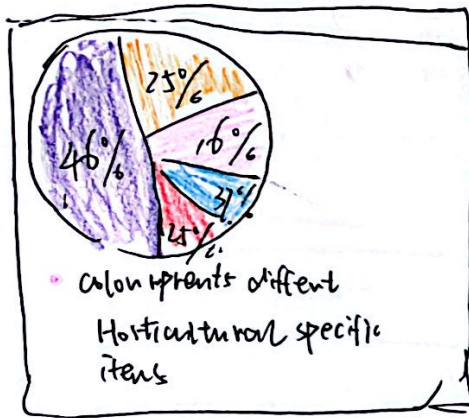
Focus:

This part is focus on using a select box to distinguish different states or production items.

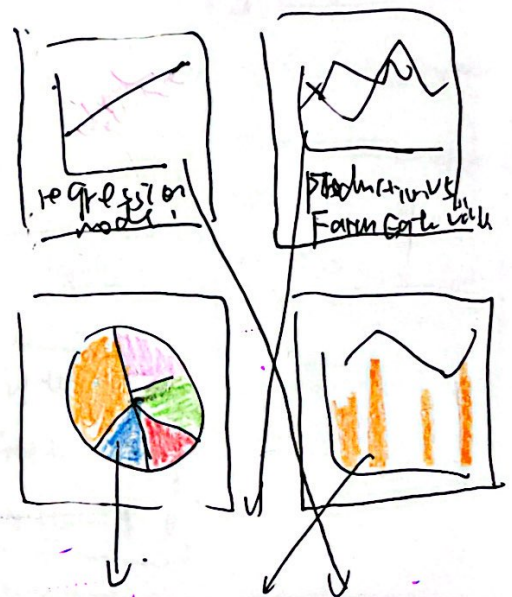- Victoria   - western Australia
- Tasmania   - New south wales.

Discussion:

Does the layout guide users smoothly through different sectors of the visulisation.

Is there enough white spaces to avoid overwhelming the user visually.

LAyout:

Farm Gate value.

Farm Gate value production item sales

Select state [Victoria]

production vs Farm Gate value

Sales

State

production vs Farm Gate value

Farm Gate value

production

- Fruit
- nuts
- vegtion

Farm Gate value

production

FOCUS.

overall Total state Farm Gate value   zoom in map

Farm Gate value

State = Queensland.
Farm Gate value = 5---
production ---

It implies tooltip to show all the details on the pages, It can help viers to have a better understanding.

Title: Australia Horticultural.

Author: Xin Lin.

Date: 8/18/2024.

Sheet: 5.

Task: Final Implementation Design.

Operation:

Farm Gate value

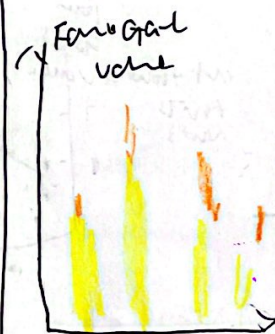State.

- click for detail of the different Horticultion.

- Hang the mouse on the bar chart to show the details.

using select bars to show different states or production items.

Select bar [Victoria]

Details:

- Databases implemented using CSV files.
- updated value to Github
- using html, css to create the data page.
- using vega lite to create Graphs.