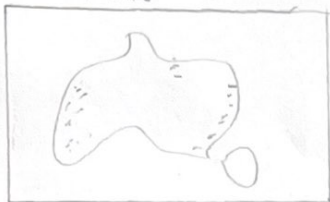


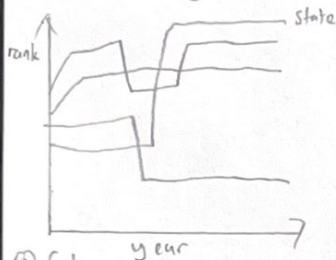
IDEAS

① Map

mines location

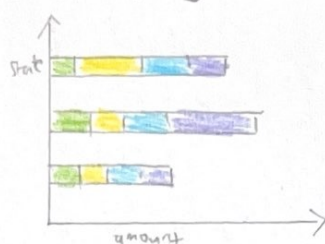


States Ranking

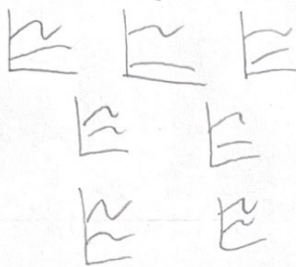


② States

State spending

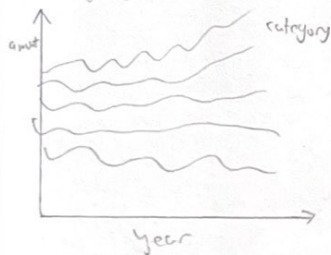


state spendings

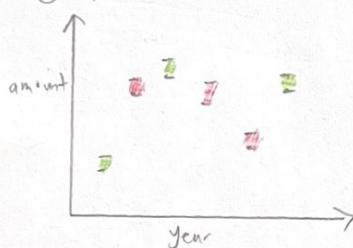


③ Category

category

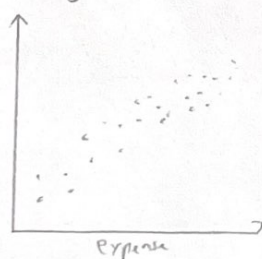


④ Expense

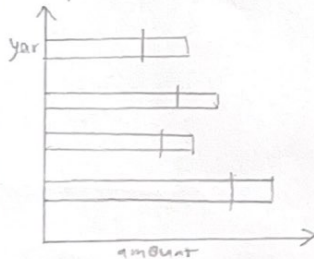


⑤ Drilling

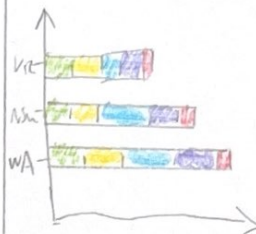
meter drilled



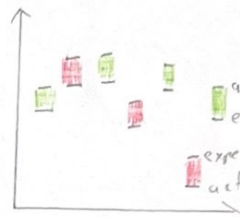
Expense



FILTER



- hard to do for multiple years
- can't see trend



- not suitable
- better for cumulative data
- use other better

CATEGORIZE



COMBINE AND REFINE

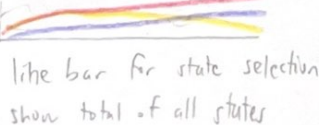


combine to

minerals for state



dropdown for state



like bar for state selection show total of all states

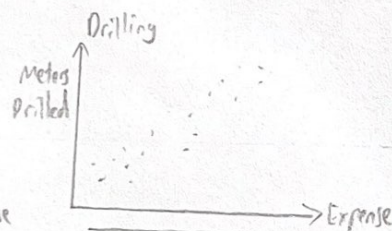
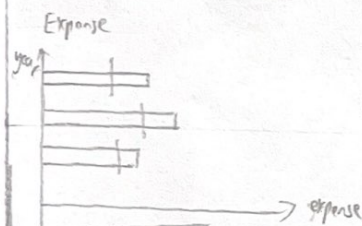
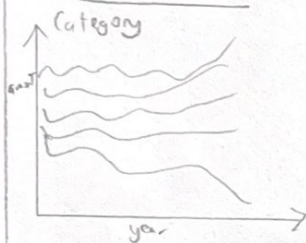
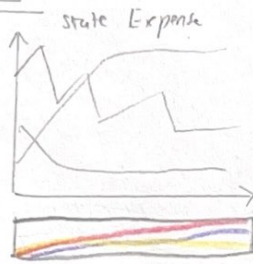
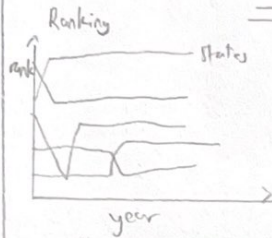
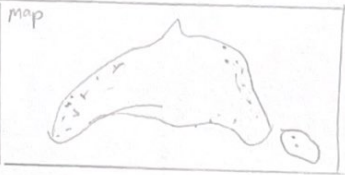
QUESTION

- Which mineral is being focused on the most?
- which part of Australia richest form minerals?
- what are the expenses bringing?

LAYOUT

Mining in Australia

Mining Location



TITLE: Mining of Australia

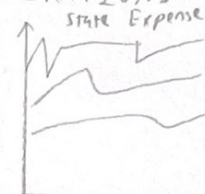
AUTHOR: Ng Jun The

DATE: 01/10/2024

SHEET: 2

TASK: Magazine

OPERATIONS



← Dropdown for state

← Slider for year

Filter by year

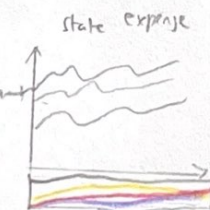
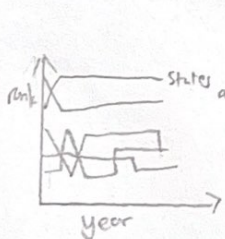
Select Year:

2020
2021
2022
2023
2024

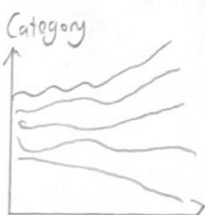
Use dropdown box

FOCUS

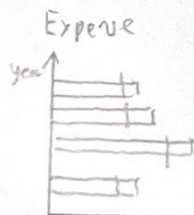
Location



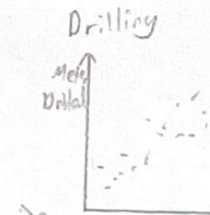
• focus on seeing where money is spent in Aus



focus on what mineral are being focused by Aus



focus on expense over the years



focus on seeing does expense related to meters drilled

DISCUSSION

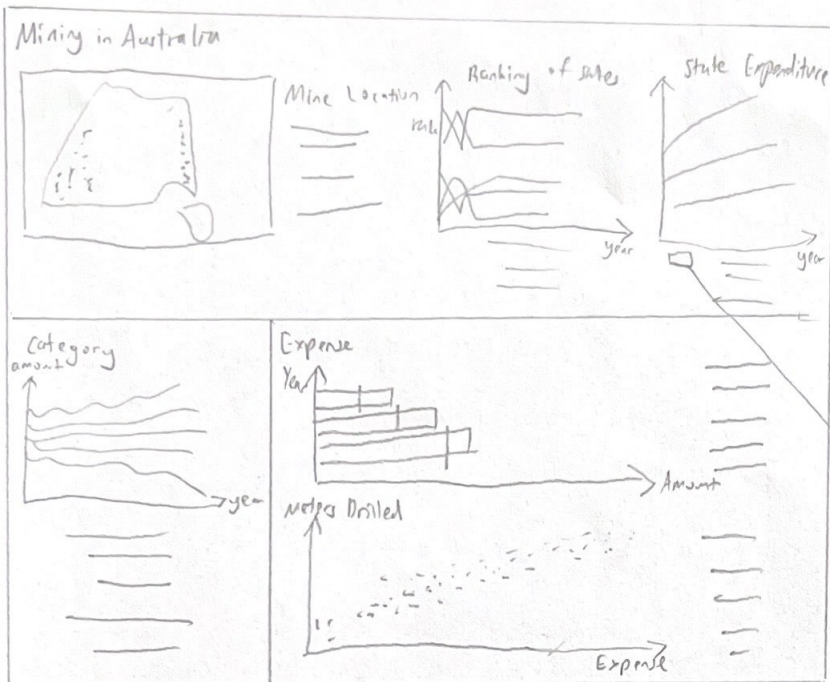
Pros

- Informative
- Good engagement

Cons

- Bad flow
- Boring format
- Lot of white space

LAYOUT



TITLE: Mining of Australia

AUTHOR: Ng Jun Thye

DATE: 01/10/2024

SHEET: 3

TASK: Infographic poster

OPERATION

Filter by state

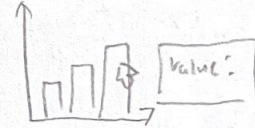
dropdown boxes for different state

Filter by year

Select Year:

2020
2021
2022

Hover for tooltips



FOCUS

• Location

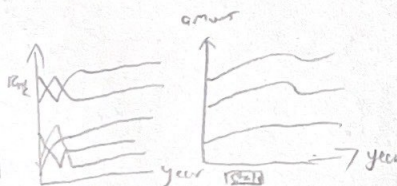


show where they are found, and what categories, in which state

• Category



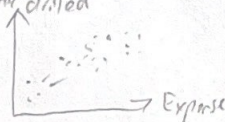
show category and how much they are spent on. show which mineral in Australia



• Expense



show overall spending and relation of expense and meter drilled



DISCUSSION

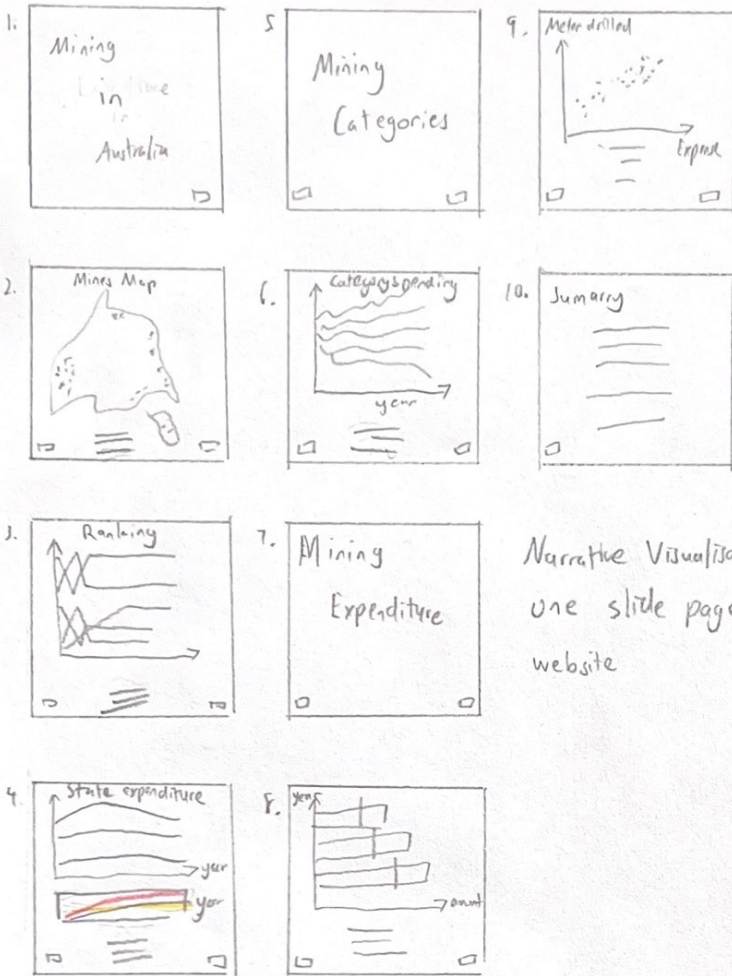
Pros

- Highly informative
- Clear sectioning

Cons

- Minimal flow
- No clear focus

LAYOUT



Narrative Visualisation
one slide page
website

TITLE: Mining of Australia

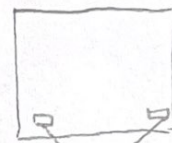
AUTHOR: Ng Jun Thye

DATE: 01/10/2024

SHEET: 4

TASK: Narrative Visualisation

OPERATION



navigation buttons
navigate slides

Filter year
Select Year: 2020
2021
2022



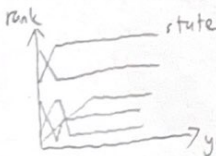
Slider to select
year

FOCUS

Each page focus on graph on the slide



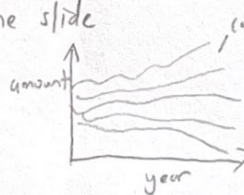
focus on
mine
locations



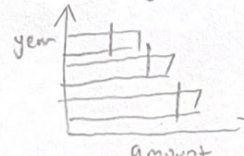
focus on
ranking of
state expenditures



focus on
expenditure
year of each
state



category
focus on
seeing expense
for each
category



focus on
seeing expense
of every year



focus on
seeing does
expense and
meter drilled
are related

DISCUSSION

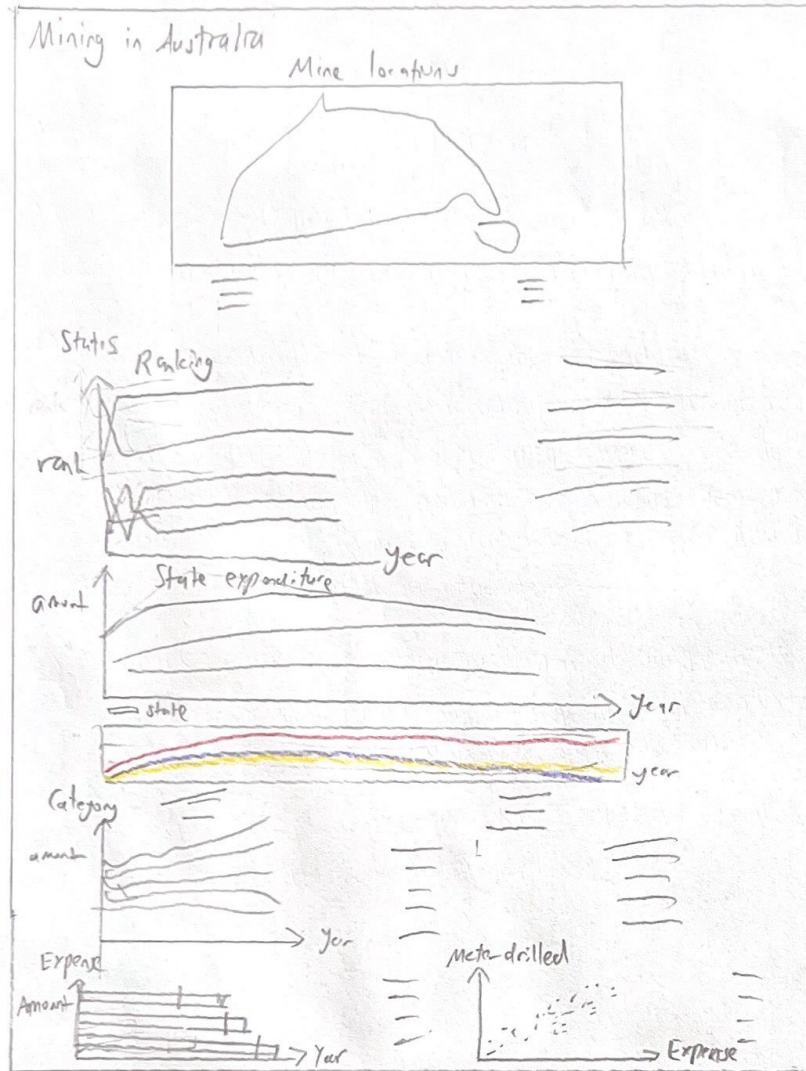
Pros

- Clear flow
- Easily identify focus

Cons

- Some slide don't tell much
- Minimal engagement

LAYOUT



TITLE: Mining in Australia

AUTHOR: Ng Jun Thye

DATE: 01/10/2024

SHEET: 5

TASK: Final Implemented Design

OPERATION

Graph have extra smaller graph that act as year filter

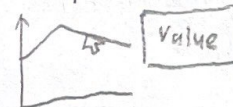
- select year interval

drop down to select year

drop down to select category

drop down to select state

Tool tips



FOCUS

Focus on:

Location

- show exact location
- know which state rich in which mineral
- compare state expenditure
- compare state category spending

Category

- show type of category
- show total spending of categories over years
- show which is focused by Australia

Expense

- show trend
- show difference between actual and expected spending
- show relationship with drilling

DETAIL

Steps

- Clean data
- Create visualisations using vega-lite
- combine them into dashboard
- add text and annotation

Time to do

- 2 day to clean
- 3 day to create visualisation
- 3 day to create dashboard and annotations