IDEAS

Mine Locations Australia

Ore distribution

Coal, gold, Iron

Ores produced per state

ore mined — Iron, gold — VIC, WA, NSW, SA — state

Types of ores mined

$ cost vs amount (tonnes)

Ores mined per state

ores produced (kg) vs time (year)

FILTER

Ores mined (kg) — VIC, SA, WA, NSW QLD TAS — state
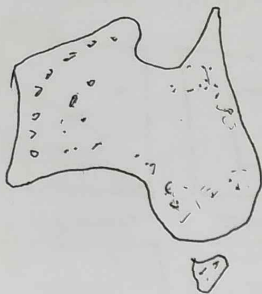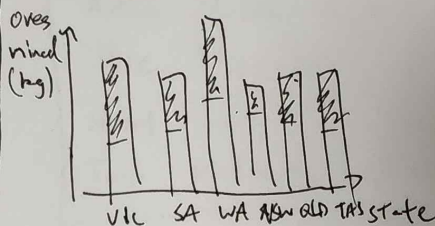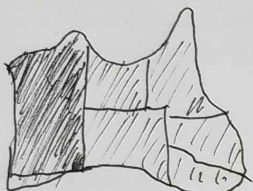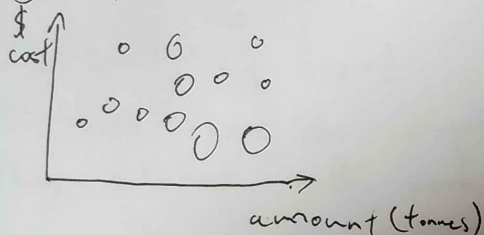
Too many different types of ores for the bar chart. Doesn't really show anything.
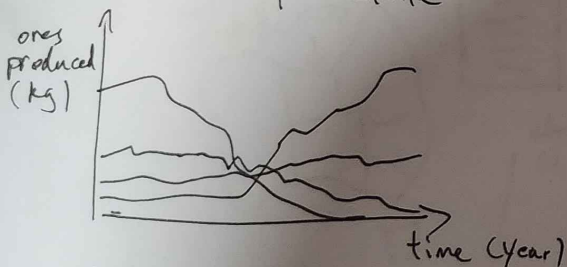
CATEGORIZE

States   Maps   Ores

COMBINE & REFINE

click filter changes data
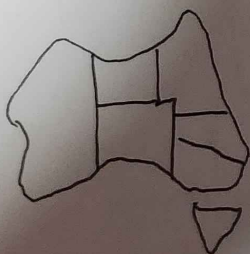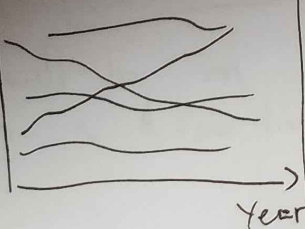

Ores produced (kg) vs Year

Question

Will maps be detailed enough on one screen?
How will interactions work?

How many interactions will be necessary?

How doable to implement everything?

Does it show anything interesting?

LAYOUT

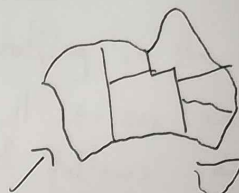Ore Mining in Australia

States — Ores — Year

FOCUS

3 column design layout
The main focus is the maps and how they interract with each chart.

or click the states

Legend

click to filter

Majority of information will be on the charts, with only a a few lines of text in between.
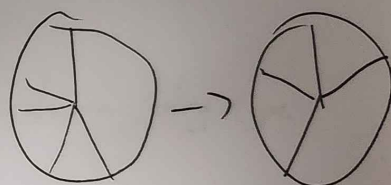
Operation

hover over each state to see details.
click to modify filter and other charts.

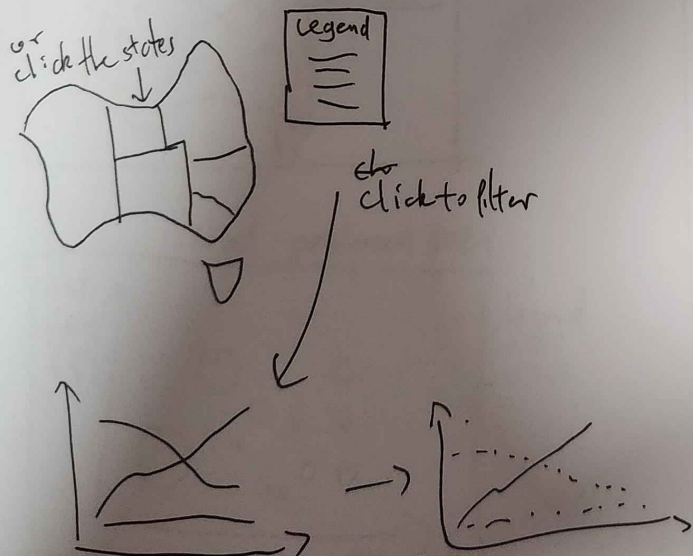The map will be based as a main filter / center piece.

Discussions

- too many charts on one screen?
- not enough narrative
  → might not fit on one screen
- no order to graphs / heirarchy
- simple design.

LAYOUT

Mining in Australia

Ores mined per state
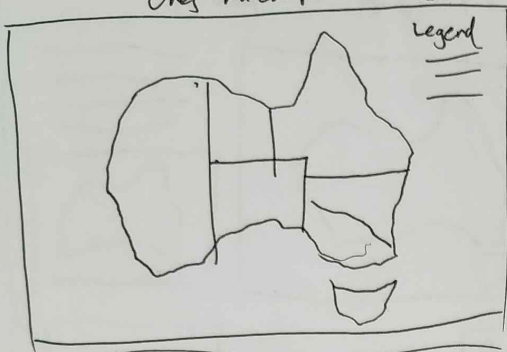
Legend

Ores mined by state
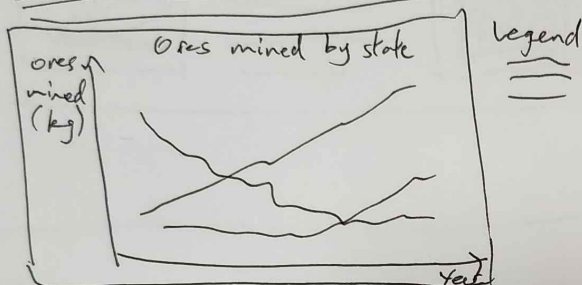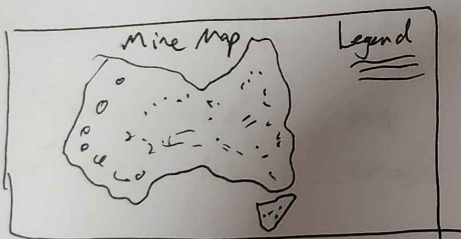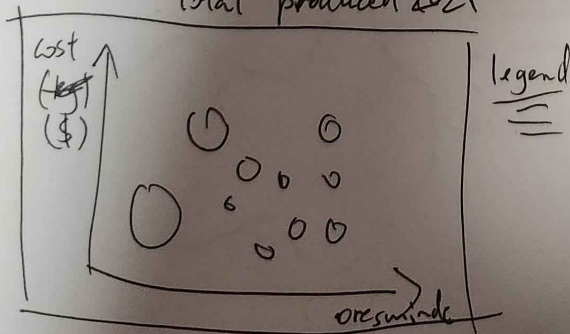
ores mined (kg) / Year

Legend

Mine Map

Legend

Total produced 2021

cost (kg) ($) / ores mined
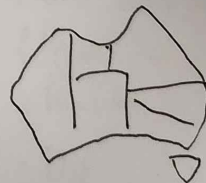
Legend

Operation:

Scrolling is the main focus.

Scroll to see more charts and follows a narrative in a linear order.

Each map will be linked to a chart for interaction and filter

Focus

Single column blog type layout.

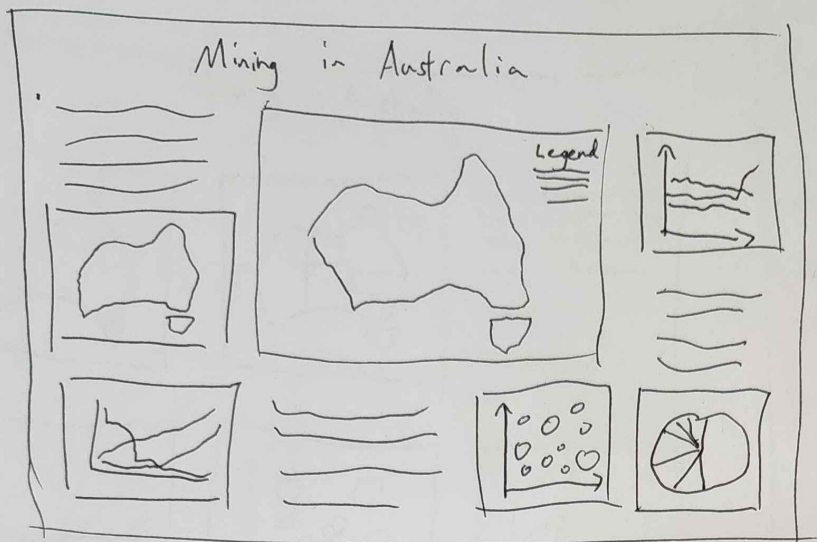The main focus is the map at the top, it will tell users how to interpret the rest of the data.

It also helps with narrative story telling.

Discussion

- will it be too long?
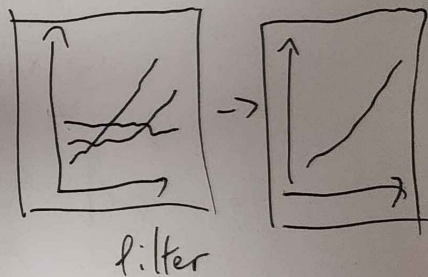- will the narrative make sense
- easy, linear narrative and layout.

Layout

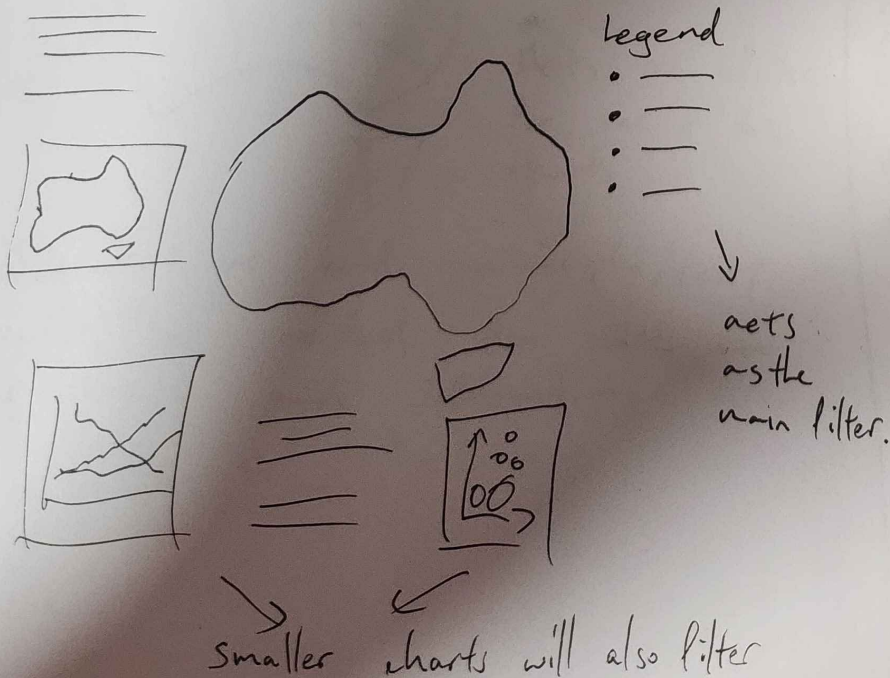Mining in Australia

Legend

Operation

Legend
- Vic
- NSW
- WA
- QLD   ← click
- :≡
- :≡

filter

Focus

The main focus would be a the main map in the middle of the screen. It will be used as a legend or filter for the smaller charts.

Legend

↓

acts as the main filter.
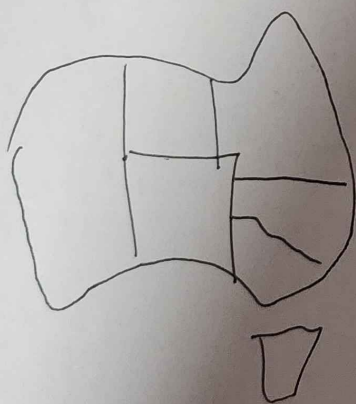
smaller charts will also filter

Discussions

- How difficult to implement filters for various charts.
- Difficult to fit on one screen.
- no coherent order
- nice looking design in principle
-

Layout

Mining in Australia
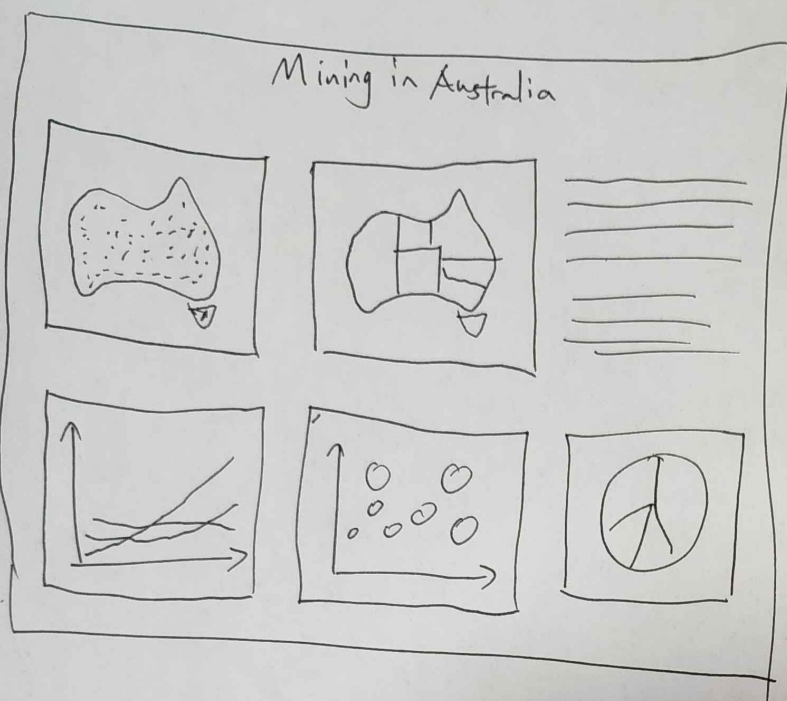
Focus

The maps will be the focus of this visualisation.

& Acts as a filter for one of the charts.

Annotations and paragraphs/text will be added for more narrative and information.

Operation

Hover over maps

 → State
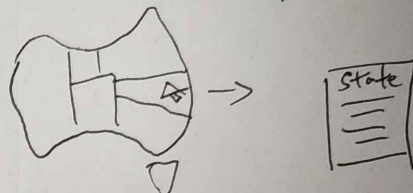
Use legend as filter

Legend
Vic
NSW   Click
WA
TAS
QLD
NT
SA

Detail

Data should be processed as csv before being used

Vega-lite to be used to generate each table and chart.

Time to build:
1 week