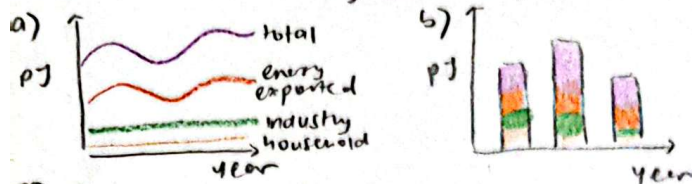


Ideas

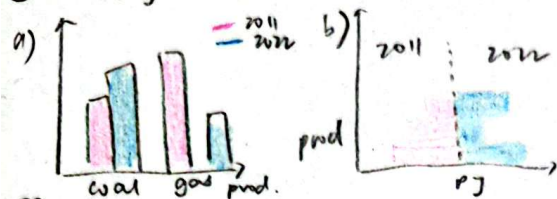
(1) map (geographical data)



(2) Time trends (energy end-use)



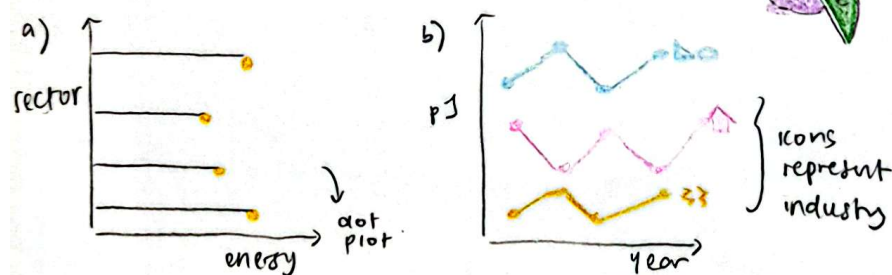
(3) Supply comparison



(4) Renewable energy



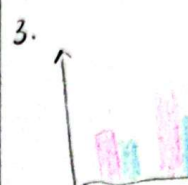
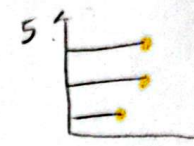
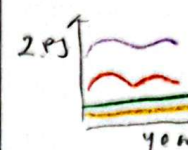
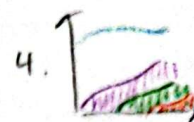
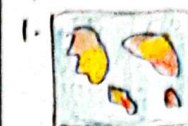
(5) Energy use breakdown



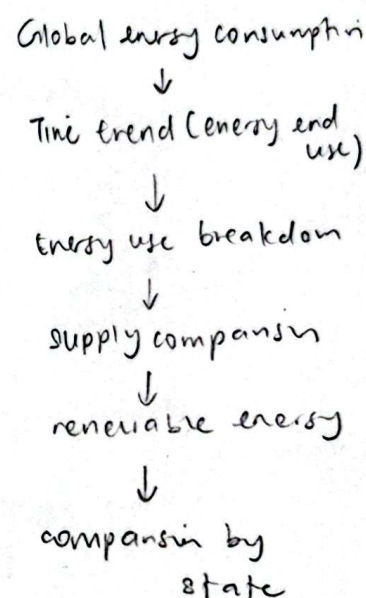
(6) Comparison by state



Filter

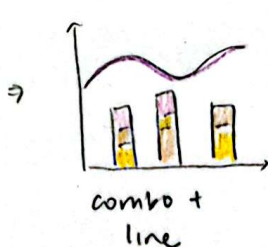
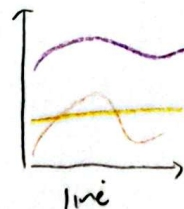
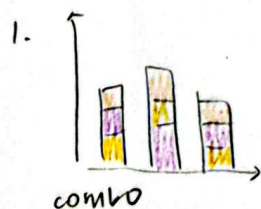


Categorize

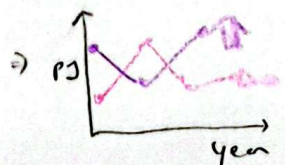
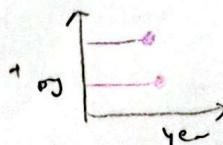
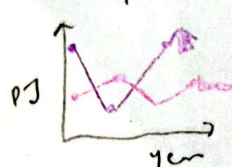


Combine & Refine

→ time trend + parts of proportions



2. Bump chart + lollipop

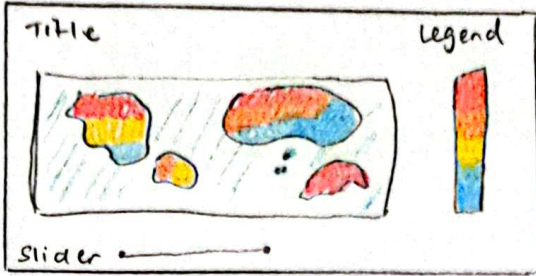


Question

1. Is what I'm including relevant to the topic?
⇒ Renewable vs. Non-renewable?
2. How would users interact with the visualisation?
3. Is the charts I'm including helping to tell a story?

Layout

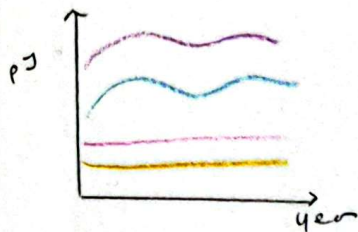
Energy in Australia



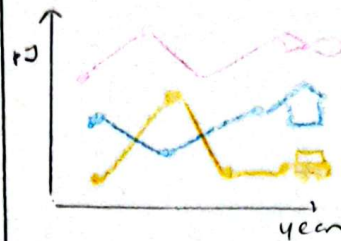
How does energy in Australia compare globally?

Text

INDUSTRY BREAKDOWN



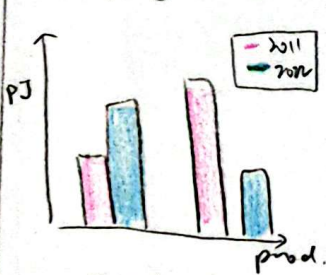
Text



Text

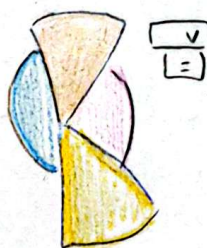
NON-RENEWABLE VS. RENEWABLE

Non-renewable Supply



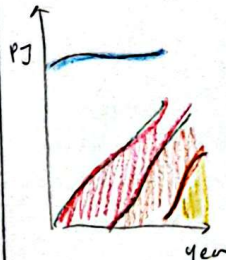
Text

State



Text

Renewable Sources



Text

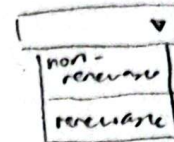
Title: Energy in Australia
Author: Janna Jia Lin Kung
Date: 25/9/2024
Sheet: #2
Task: 5 design sheet

Operation

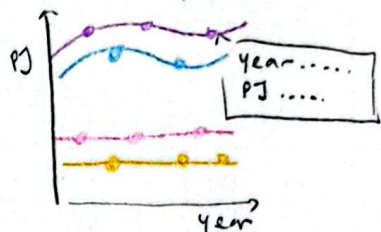
① Slider



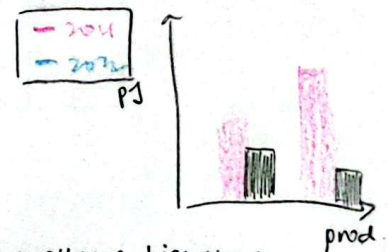
② Filters (can apply to year/sector)



③ Tooltips



④ Legend Highlight



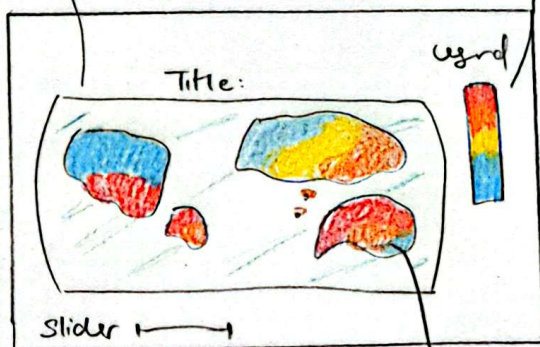
allows highlight

Focus:

how to make Australia stand out?
Centre, colour, box?

allow users to understand map

Key visual:
→ are there too many classes
→ is gradient/distinct better



easy to show trend → changes across years

is there enough focus on Australia

Discussion:

Pros:

- ① Each section has a header
- ② good different types of chart engagement
- ③ Good user interaction

Cons:

- ① Very messy layout
↳ no flow of story
- ② No sight lines, hard to follow

Australia's Energy Landscape

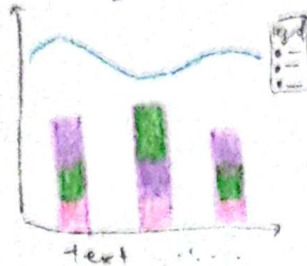
Brief introduction text

Global consumption



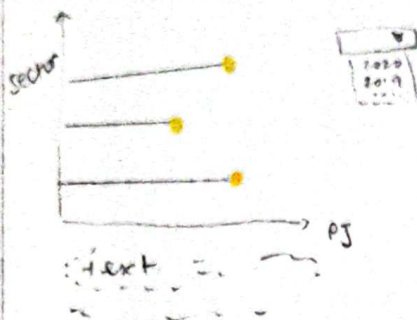
text

Industry trends



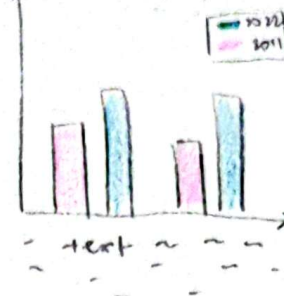
text

Sector breakdown



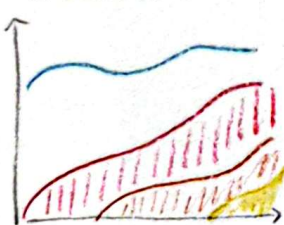
text

non-renewable supply



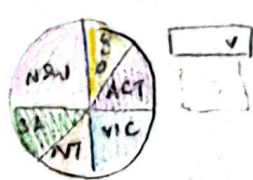
text

Renewable trend



text

state comparison

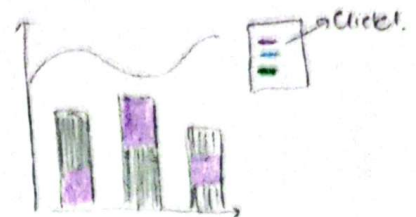


text

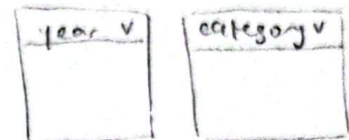
Author: Janna Jia Lin Kung
Date: 25/9/2024
Sheet #3
Task: 5 design sheet 3179

Operation

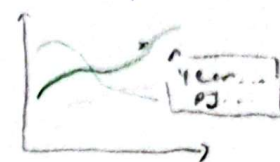
1. legend isolation



2. Drop-down menus



3. tooltips



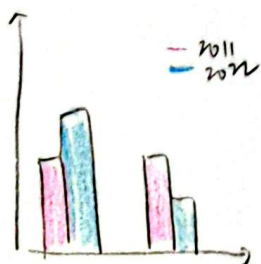
4. time slider



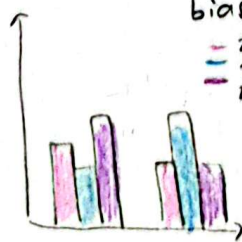
Focus:

- Focus on showcasing a positive difference in reducing usage of non-renewables

→ add more years or limit the years?
(now it's 2011 vs 2022).



is it being biased?



too many years
info clutter

Discussion:

Pros:

- within sightlines a neat each graph has its own box
- Good flow, numbers could help make it more readable
- Good variation of charts

Cons:

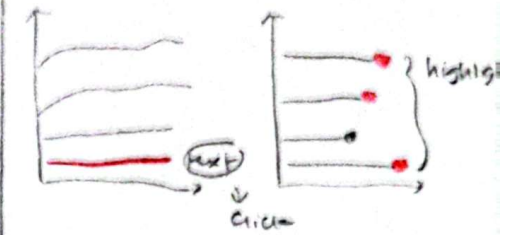
- Too much whitespace?
- Quite traditional layout
- Too much redundant information?
↳ can streamline charts.

Layout

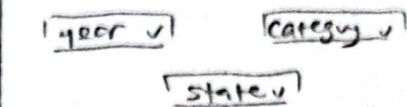
Title: Australia's Energy Journey
balancing non-renewable & renewable sources!
Author: Janna Jia Lin Kung
Date: 25/9/2024 (3174)
Sheet #1 Task 5: 5 design sheet

Operation

① Concatenated views



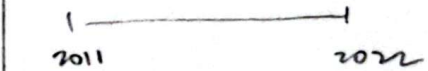
② Drop-down menu



③ Legend isolation



④ time slider

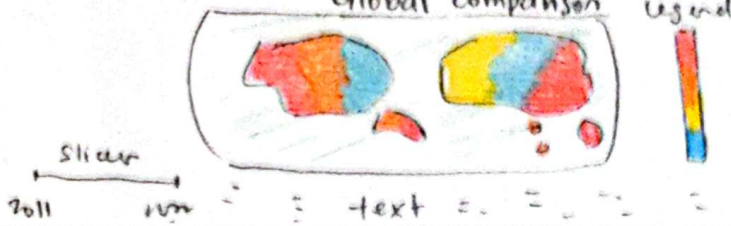


⑤ tooltips

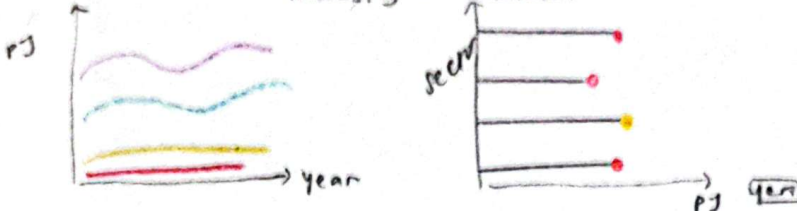


Australia's Energy Journey Balancing non-renewable & renewable sources!

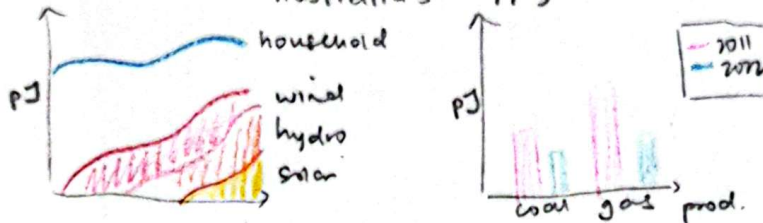
Global comparison



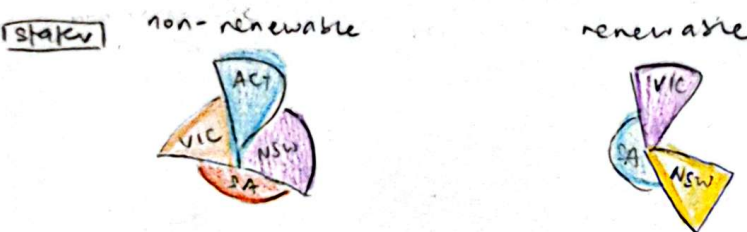
Industry breakdown



Australia's Supply

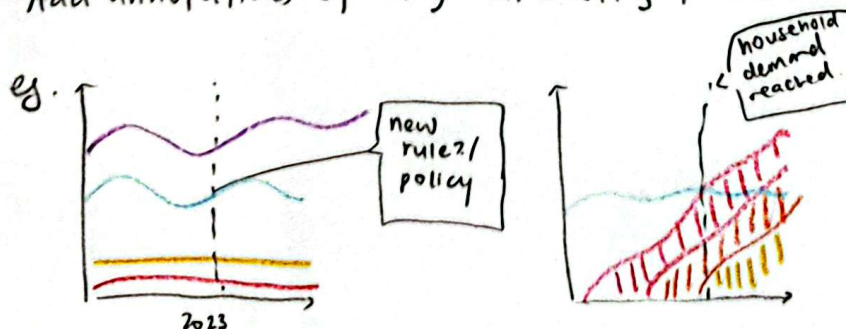


State comparison



Focus

- Focus on telling user important facts to see if it affected trend.
- Add annotations of any interesting facts



Discussion:

Pros:

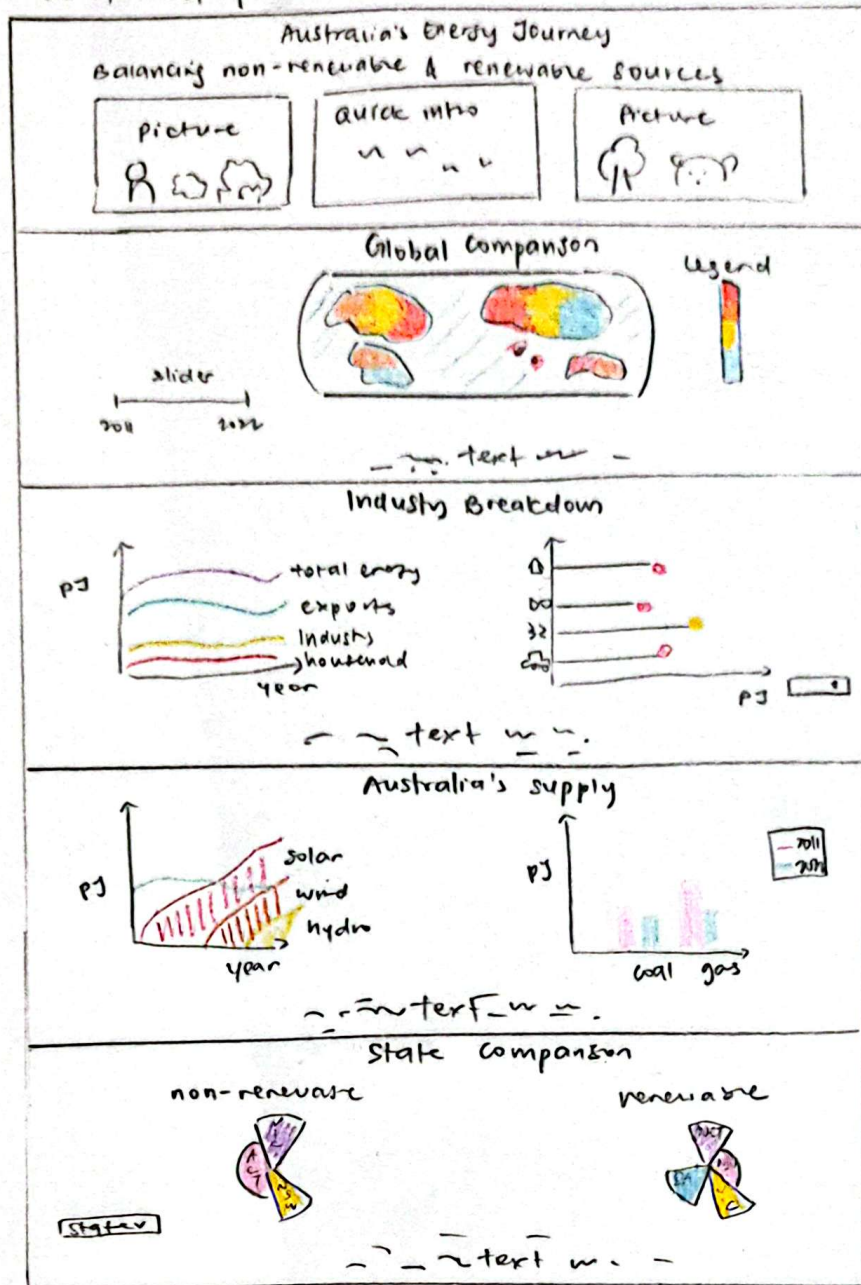
1. Good user engagement
2. Good layout, charts & story easy to follow
3. Good variation in charts

Cons:

1. Not enough space for text?
2. Too cluttered? No intro text
3. Not enough pictures or icons to make it fun

Layout

Base of sheet 4



Title: Final Design Sheet

Author: Janna Jia Lin Kung

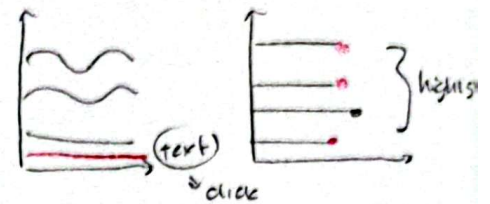
Date: 25/1/2024

Sheet: 5

Task: 5 design sheet 3177

Operation

① Concatenated news



② Drop-down menu



③ Legend isolation



④ time slider



⑤ tooltips



Detail:

- Data will be cleaned in Excel / Tableau
- Specific requirements: equal alignment / have a fix colour scheme
- Visualization tool: vega-lite
- Time taken to complete visualization
 - ↳ 2 days to clean & collect
 - ↳ 2 weeks to create iding layout
 - ↳ 2 days to finalise

Focus:

- All graphs play an importance of delivering the story of Australia's energy. Focus is more on the transition of energy: non-renewable vs renewable.
- Focus on deliver / communicating trends in energy use & industry
- Focus on information in a top to bottom & left to right manner
- Emphasis on making it fun & interesting