IDEAS
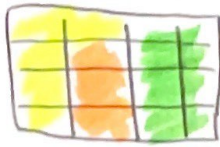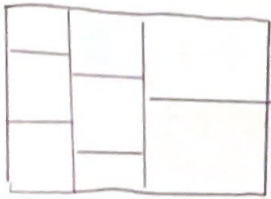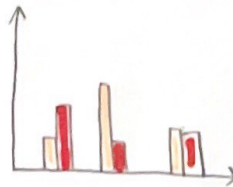
① Heatmap

② Area chart

③ Chloropleth Map

④ TreeMap
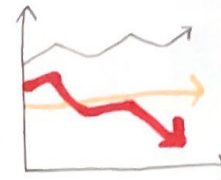
⑤ Grouped Bar Chart

⑥ Scatter plot

⑦ Dot Map

⑧ Radial Graph

⑨ Line Graph

Filter

X Area chart
↳ might be messy

x treemap
↳ too many countries

✓ Radial Graph

✓ Chloropleth
↳ for an overview

Categorize

Global energy
↗ map ↓

energy per capita
across countries
↗ bar chart
↓
map to conclude

Combine & Refine

① use chloropleth / interactive

② bar chart (highlight Malaysia)

③ Radial map with filter

Questions?

① How much energy does each country use?

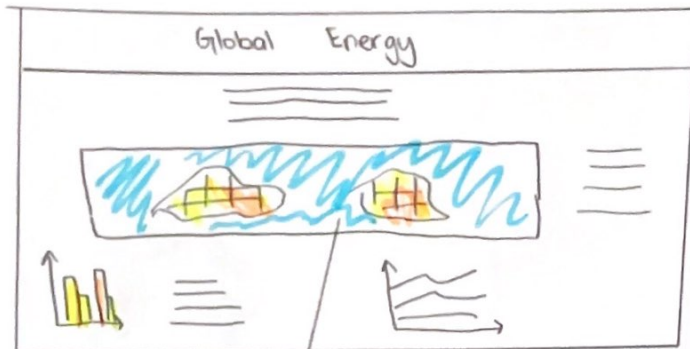② Which country uses the most energy?

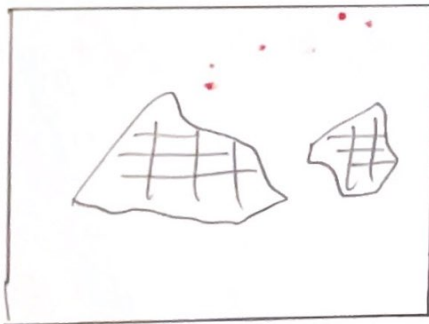③ types of energy source?

Author: Amanda Teh

Date: 9/10/2021

Sheet 1

LAYOUT

Horizontal

Global Energy

Focus

add tooltips
on selected
countries

Title : Sheet 2

Author : Amanda Teh

Date : 9/10/2024

Task : Graph

operation :- tooltips
        - highlight

Discussion :

positive :
↳ data will have
  explanation

negative :
↳ horizontal view
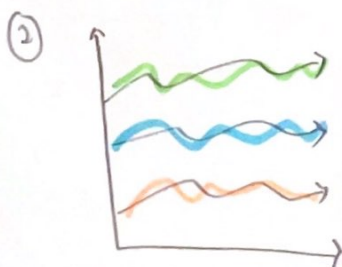 may not be the
  best option

↳ Messy ?

LAYOUT

Global Energy

year

Focus: have a year brush

①

1990   2022

for the bar chart

②

• source of energy
  (1) ___
  (2) ___
  (3) ___
  (4) ___

title : vertical

Author : Amanda Teh

Subect : 3

Date = 10/10/2024

Operation : year brush
for bar chart

• using a slider ?

Discussion :
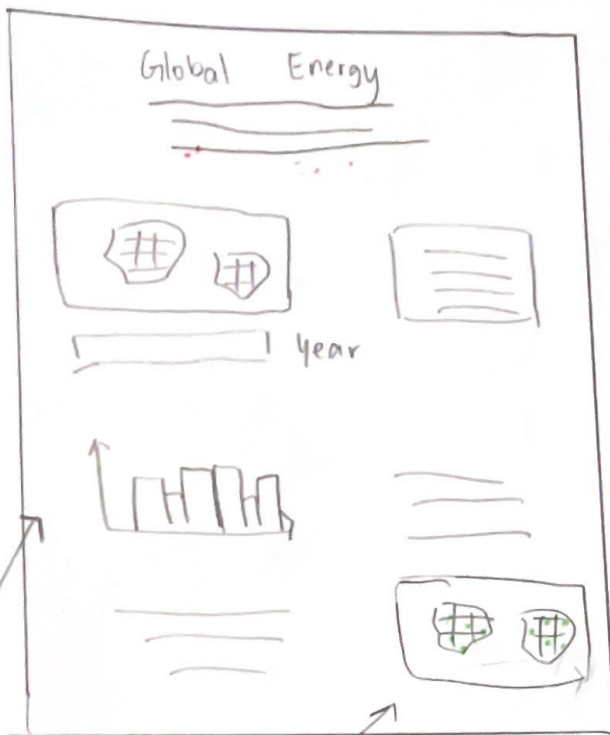positive :
↳ vertical view looks
   much better & neat
↳ filter could be a
   neat option.
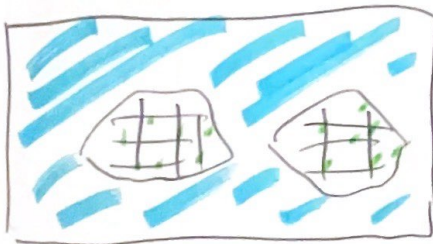
negative :
↳ might be too many
   words

↳ font wasnt good.

LAYOUT

Global Energy

year

Focus:

Dot Map

summary on countries

bar chart
on energy usage
of different
countries

Author: Amanda Teh

Date: 10/10/2024

Sheet: 4

Operation:

- Dot map with interactive tooltips

- rank of countries in the bar chart

Discussion:

Positive:
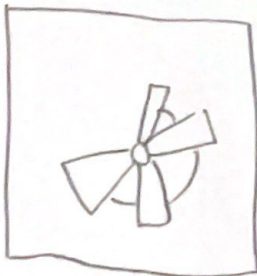
↳ Ranking filter to make things easy to view

negative

↳ words still not concise

↳ need to add another chart for source of energy.

LAYOUT

Global Energy

Focus:

to show each
source of
energy

can filter by
country/region

Author: Amanda Teh

Date : 15/10/2024

Sheet : 5

title : Final

Operation:

- filter by region on
  radial Graph

- nice & cleaner Layout

- interactive tooltips for
  map.

Details:
↳ : • Clear overview

   • has a conclusion

   • easy to navigate.