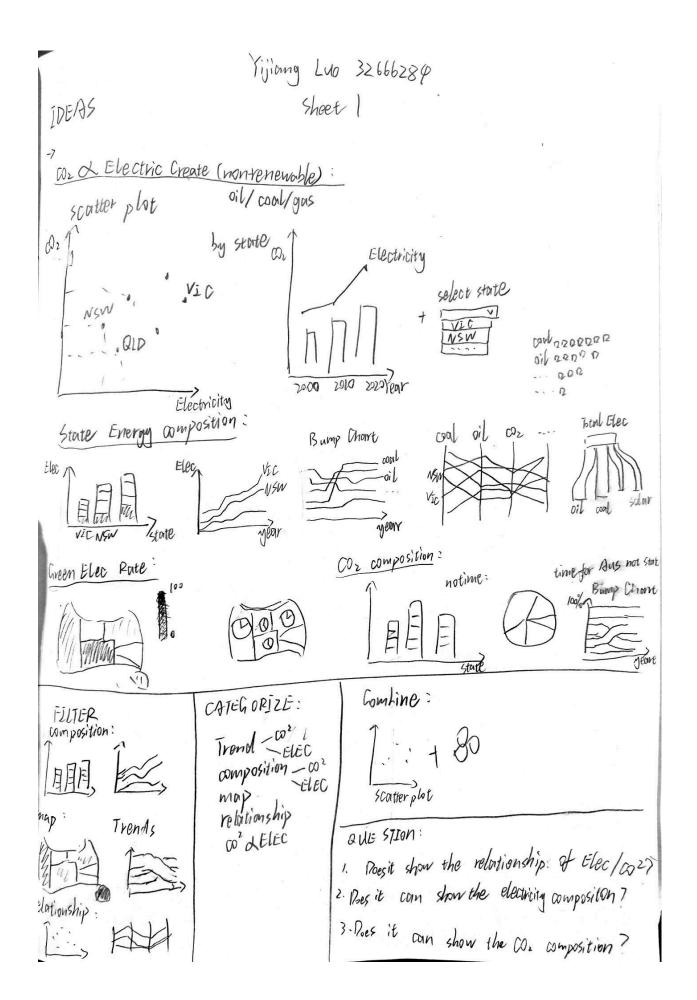
Name: Yijiang Luo, ID: 32666284, Studio: Studio 07, Tutor: Ashwini Narasimhan



Sheet 2 Yijiang Luo 32666284

Operation:

The when the user click the state on the map.

this charts will show that

state detail

also can put a slider to choose the time

elec year elec year year oo > state

Discussion:

Focus:

Combination of time series and maps

The core focus is on the divergent

exploration of the correlation possibilities

between state power generation and

CO2 emissions

Differently of techical implementation it can done by tableau but hard in heml.

Suitable for "why some state have bener emission.

VIC NSW

Venew Venew Stack borr chart

A A S

Sheet 3 Yijiang Luo 32666284

Operation:

when the user hovers over a cortain pie chart, the comesponding state mill be highlighted on the stack boar chart, and the specific energy down tooltips of that state will be displayed at the same time

Focus:

Presenting the causality of "energy structure"

— "emission of CO2"

reveal" the differences in the relationship

between total power generation and emissions among states with different proportions of renewable energy

Discussion:

It is simple, direct, and has a clear structure, but the presentation of "causal relationships" relies on the user to actively make connections.

3/32 Tijiang Lw 32666289

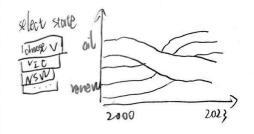
dirst show relationship

renewable pesentage
also use color Hue (green)

NSW

then break allown trend from $2000 \rightarrow 2023$

Elec Energy



Caz Em trond

Operation:

when user click on the point in scatter plot,

It will change the state selection on the bolow plot.

and also can use selection input to change the state

Focus:

Use scotter plot to tocus on the consul presention of "energy structure emission logic"

also show the green energy development in AUS

Discussion:

if ask the higher the power generation, the more emissions? the scatter plot is the most target

suitable for the exploration needs of data analysis - oriented user.

Sheer 5 Yijiang Luo 32666284

Operation Layout: 1. show relationship 2023 when user click on a state on the chart, the data for that state will be highligh, like the torbleau Elec energy show where home green power 200 there has a select input for select the state for more detail. 3. show generation detail and trend or the detail relation use: 4. show Aus cor emission trans Detail:

Focus

this focus on the whole story telling on step by step.

- 1. proportion of dean energy
- 2. the detailed components of energy
- 3. the trend of change in the energy structure
- 4. the overall trend of Wz
- * Extract and clean data
- * state name can add to may
- * Vegulite may can not do the same thing like tablean, need javascripts
- * time to build it: I week.