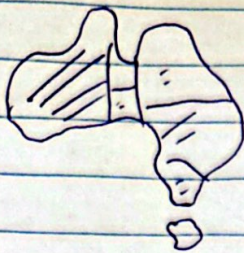


# IDEAS

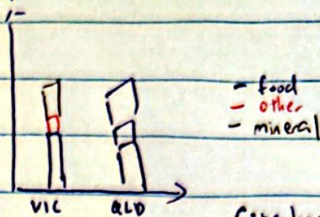
①



GDP (in million)

⑦

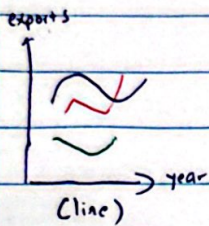
exports



(stacked bar chart)

choropleth map

②



0 NSW  
0 QLD  
0 VIC

(line)

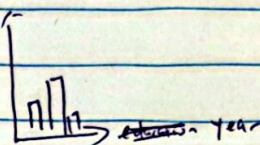
⑧



states (educational) income

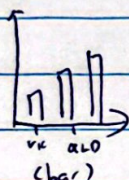
education income

⑨



③

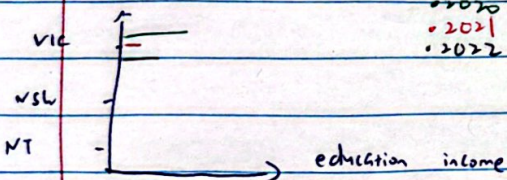
tourism



states

④

states



2020  
2021  
2022

CATEGORIZE

① ②

③ ④

⑤ ⑥

⑦ ⑧ ⑨ ⑩

map

time series

proportional

(categorical)

Data

(categorical)

States in Australia

numerical

GDP

exports

population

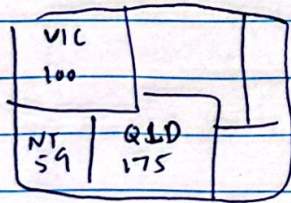
education

Question

① Is my visualisation suitable for the data?

② How to best present my visualisation?

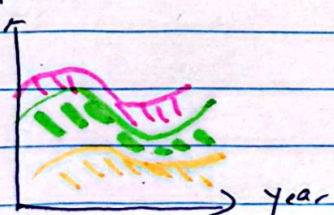
⑤



(tree map)

⑥

exports

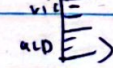


VIC  
ACT  
QLD

Area Chart

Filter

④



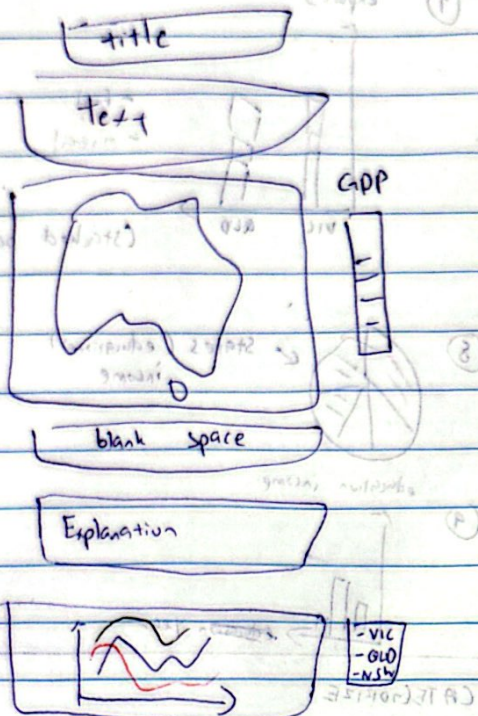
⑤

not suitable because  
it takes too much  
unwanted space



## LAYOUT

### Dashboard



## OPERATION

Have a dropdown menu for exports

select:

Year

tooltip: All visual will have respective  
tooltip exp. showing the value

exports

- A
- B
- C

→ can click on legend to filter /  
view the value of the clicked  
option

## DISCUSSION

Adv: - clear explanation of each visual  
- clean layout  
- easy to understand and filter

Disadv: took a lot of space

## FOCUS

- ① main focus: choropleth graph  
as it tells the most important story throughout the visual
- ② Remaining charts are equally important and equally sized to ensure clarity



# LAYOUT

Title: Factors Affecting  
Economy of Australia

Date: 10/10/2024

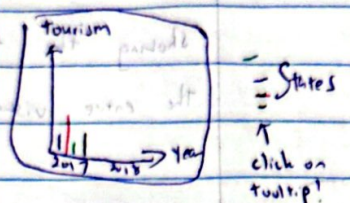
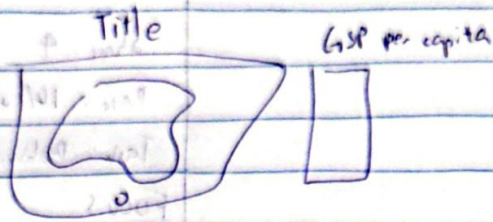
Sheet: 3

Name: Koh Zen Yi

Task: LYTML Dashboard 2

## Focus

① All visual equally  
important as they  
tell story of their  
own

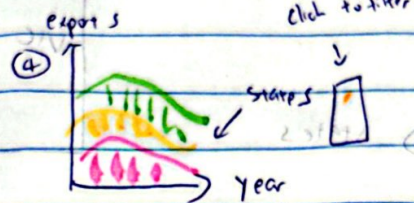


test

③

VIC	QLD	ACT
100	150	75

education →



test  
conclusion

## OPERATION

## DISCUSSION

zoom:

- bar chart not as easy to understand  
compare to line chart

zoom for the map, where the user

zoom in/out to view a larger

proportion within the map

- too stacked & for layout for  
③, ④ to be displayed at same  
row

exports



click on view

to view

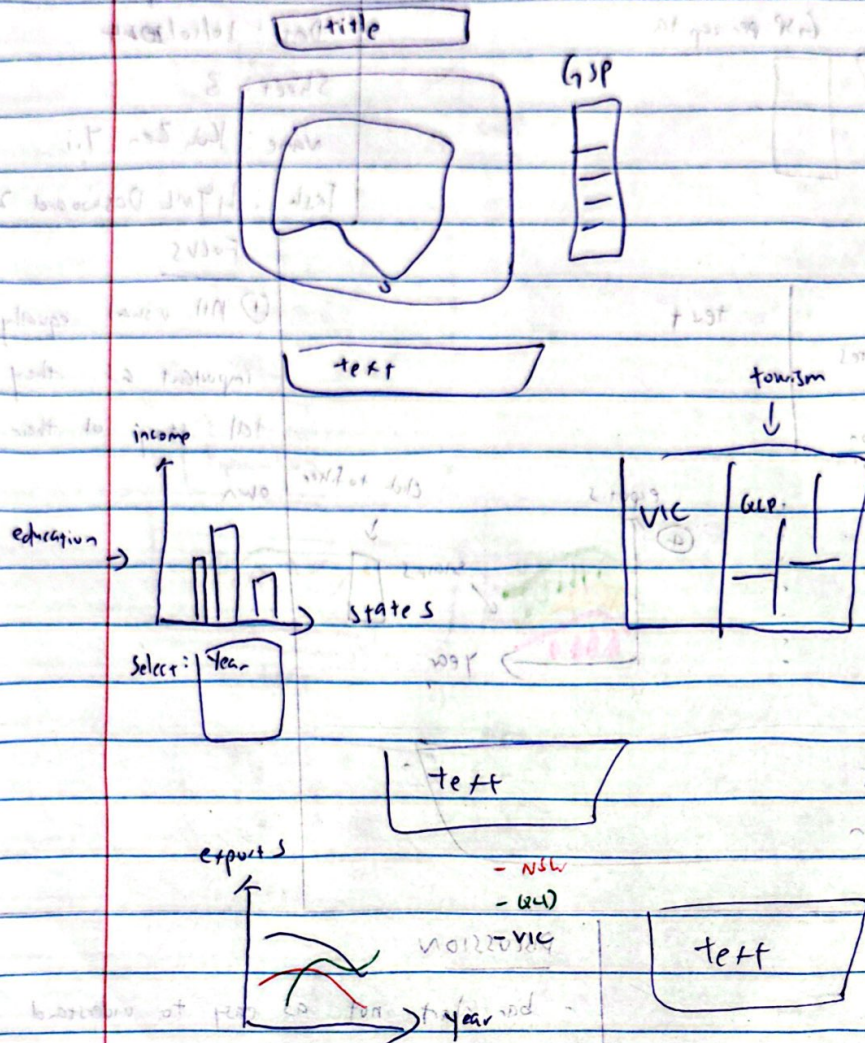
name of land - a certain state

Save space

tooltip: to show name, value of  
the data (State name,  
exports, education income)



## LAYOUT



Title: Australia's Economy

Name: Yoh Zen Tii

Sheet: 4

Date: 10/10/2024

Task: Dashboard design

## FOCUS

main: the map  
showing the theme of  
the entire visualisation

remaining visual each tells  
a story and be  
concluded/justify the  
high GDP for each state

## OPERATION

For line graph, add a toggle Year: to select specific years of data to view

For education income, add year select: to choose the year of exports to view

## DISCUSSIONS

Adv: clean + layout  
- intuitive navigation  
- clear storytelling

Disadv: - not enough text  
- hard to maintain layout



## LAYOUT

Based on Sheet 2

Title: Final Dashboard

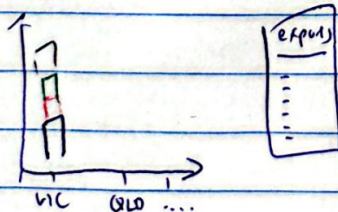
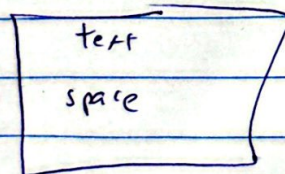
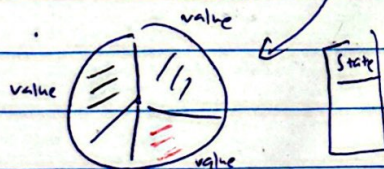
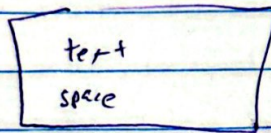
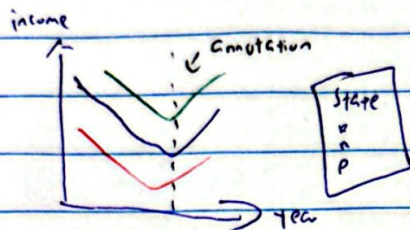
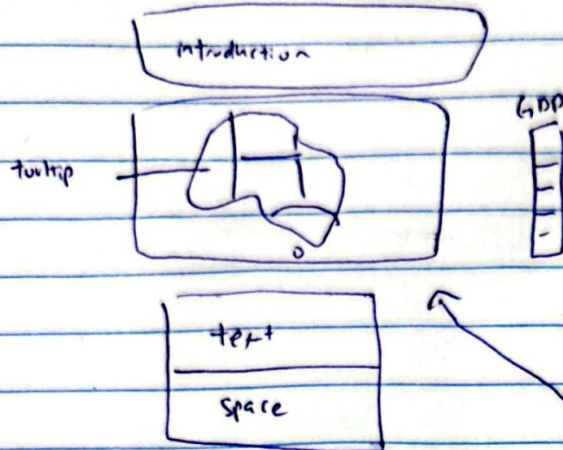
Name: Koh Zen Yi

Date: 10/10/2024

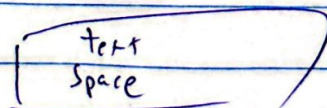
Sheet: 5

Task: Final Design

### Economic of AUSTRALIA



Select: Year



### Focus

main: choropleth graph

- line chart: income → year
- pie chart: proportion → states
- bar chart: exports type → states

### OPERATIONS

- ① tooltip at each state State:  
GDP:
- ② legend selection
- ③ Year selection
- ④ value shown at out arc radius  
(no tooltip needed)
- ⑤ selectable tooltip to view each type of export types

### DETAILS

Dependencies: Excel, R, Python, Vega

Estimated time: 1 for each chart

- Specific requirement:
- ① better understanding
  - ② more detail annotation
  - ③ clean layout & typography