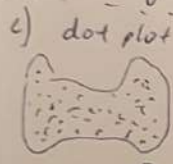
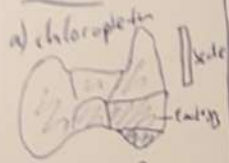
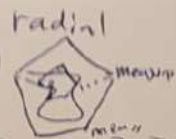
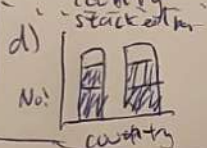
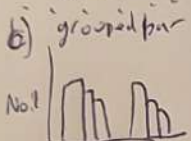
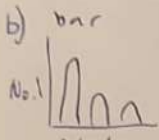
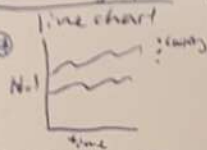


IDEAS

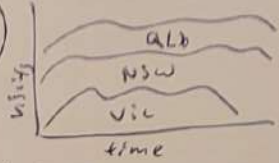
① Maps



② Other graphs



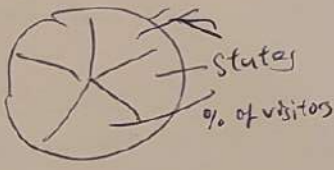
Stacked area



i) Isotype dot plot



j) pie chart

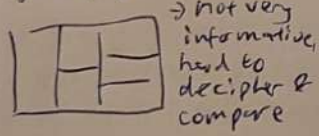


FILTER

j) pie chart

→ 7 states but some states are much smaller compared to others e.g. (ACT vs NSW)
→ Hard to see minority states

f) treemap



h) stacked area chart



→ can be hard to read, other graphs can be better. line chart, map maybe.

CATEGORISE

by state

- maps of AUS

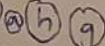


most can do both.

by country

- over time data

- categorical



QUESTIONS

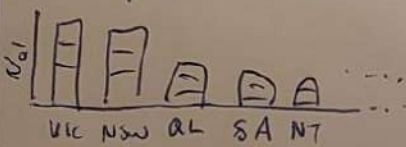
• Is there graphs like treemap or stacked area chart where a chlorophyll could do a better job?

• what graphs make it readable with many categories? (countries or states)
line?
grouped or stacked bar?

Combine and Refine

1a) can do the same job as 2f & 2h, especially since it's a map

choose one of 2c or 2d as they both do same job, maybe 2d saves more space.



Author: Jason Huang

Date: 12/10/2024

Sheet 1

Task: planning

LAYOUT



① choropleth

- normalised for visitors for population
- legend of colour gradient
- tooltips

② scatter

- different countries visits over time

③ bar chart

- visitors of countries descending
- no legend only labels

④ line chart

- visitors to states over time
- line for each state
- annotations for key findings

⑤ radial graph

- percentage of certain visitor measures e.g (leisure or business)
- e.g (long/short term)
- legend

FOCUS

- no focus, all graphs important
- similar size to highlight each graph

Author: Jason Huang

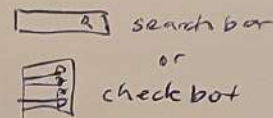
Date: ~~12/10~~ 12/10/2024

Sheet: 2

Task: Design 1

OPERATION

1) filter by country



search bar more compact but hard to know what to search.
checkbox takes a lot of space but can see options.

2) filter by state



Tooltips

- Year, value, country, state, etc.
- hover for relevant data on line, points, area, map

DISCUSSION

Adv

- simple
- well segmented
- switch up graph order easily

Disadv

- flow might be confusing
- user might not know to go left/right or up/down
- information overload?
- no focus, might affect story

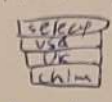
LAYOUT



Author: Jason Huang
 Date: 12/10/2024
 Sheet: 3
 Task: Design 2

OPERATION

Filter by country



• maybe goes below graph to maintain sightlines between each graph

Annotations

• annotation for interest trends

tooltips

• for all graphs
 lines, bars, states
 • all info
 3 year, values, state etc

DISCUSSION

ADV

• clear story and flow
 • somewhat clear sections depends on the headings and spacing
 • each graph gets same attention
 • good user interactions

DISADV

• needs good alignment of text & charts, and white space, other wise can be confusing
 • text at bottom can be cut off depending on graph size

FOCUS

• each graph is a focus
 • sections for story that flows down

1 chloropleth

• Visits per 1000 pop of state
 • gradient colour saturation

2 stacked bar

• compare visitors of each state for different time periods

3 line

• positions of diff. countries at the

4 radial

• reasons/ length of visits by country

LAYOUT



Author: Jason Huang

Date: 12/10/2024

Sheet: 4

Task: Design 3

OPERATION

Filtering

- interactivity, especially for map as a focus,
- might be hard to fit in below with 3 graphs in a row

Annotations

- map needs to be self sufficient on own without text
- tooltips for all graphs
 - ↳ key values, descriptions

DISCUSSION

Adv

- Map is engaging and catches readers attention
- decent flow
- good user interaction

Disadv

- Map might struggle without supporting text
- might be cramped at the bottom 3 graphs
- map might seem disconnected from other graphs

FOCUS

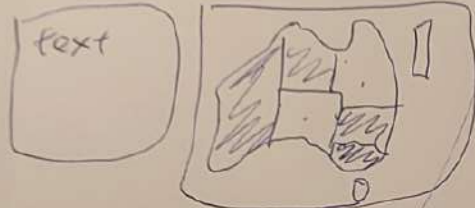
- map is main focus most interesting of all the charts
- no text for map initially when user views, needs lots of support e.g. filters, annotations
- other charts support map below &
- tooltips

LAYOUT

Visitors of AUS text

Group heading 1

Sub heading 1



Sub heading 1

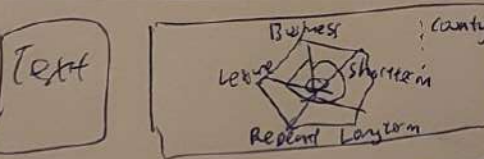


Group heading 2

Sub heading 2



Sub heading 2



Author: Jason Huang
Date: 12/10/2024
Sheet: 5
Task: Final Design

OPERATION

Annotations on graphs

• tool tips for all graphs

↳ lines, bars, states, points

↳ all info year, date, values, countries

• Filters are self contained in each section

Select

dropdown
select country or show all

DETAILS

• Dependencies

↳ Github servers
↳ save files

• Estimated time & effort

↳ 2 hours gather data / clean

↳ 8 hours creating graphs

↳ 4 hours html & css layout

↳ 2 hours debugging / research

• Specific reqs

↳ need github account with correct setup to display web page to public

FOCUS

• no focus, all graphs important and self contained

• Headings create 2 sections and subsections within

• focus on flow and readability of charts

• emphasis on supporting text to guide & inform users, with annotation & filter & tooltips to support.