map of Melbourne

Choropleth map of each suburb

Radial bar chart for ethnicities

Stacked area chart to represent cultural population over time

Pie chart to represent cultural population as a total

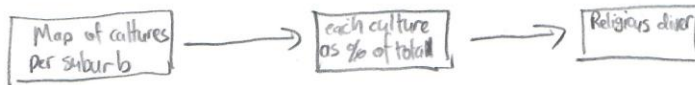Tree map also possible

bar chart? seperate by gender

Filter
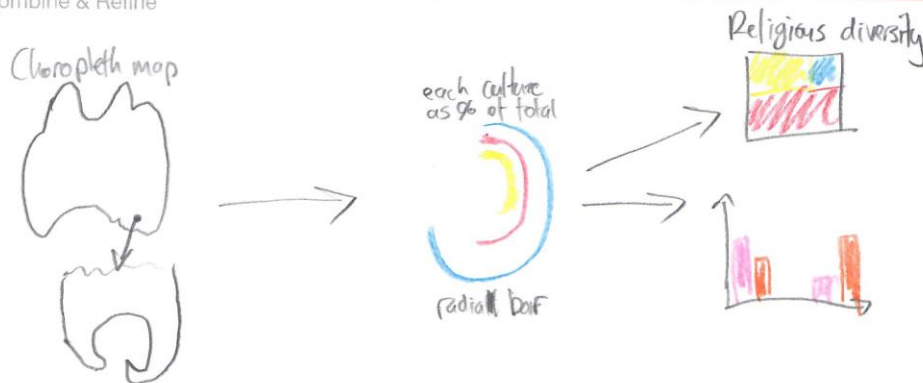
→ too basic? Can be represented using other mediums.

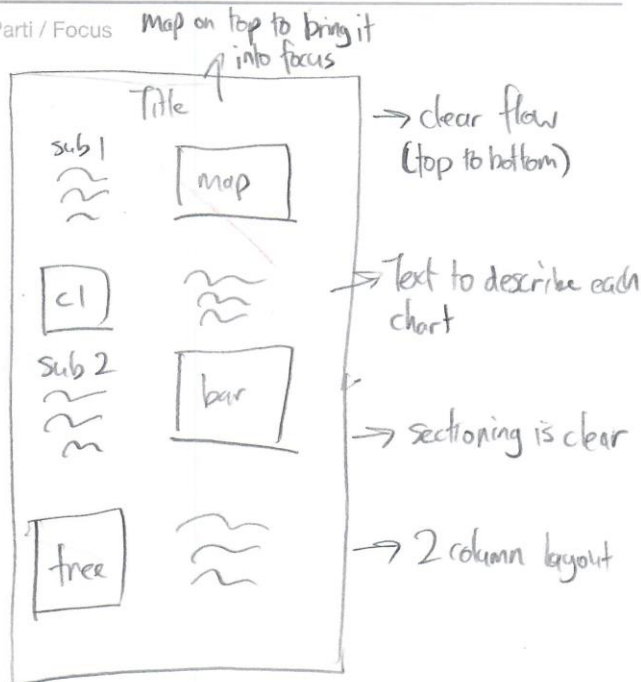→ Data is not a time series or comparison, no x-or y-axis

Categorise

Map of cultures per suburb → each culture as % of total → Religious diver.

Combine & Refine

Choropleth map

each culture as % of total

radial bar

Religious diversity

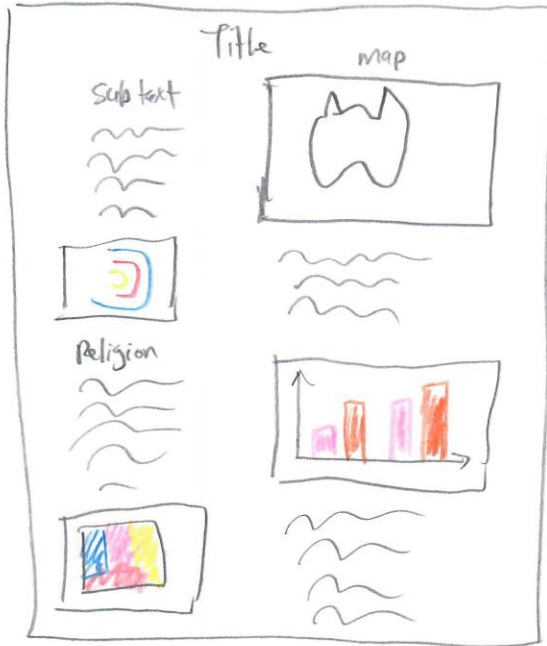## Summarise and question

Map data should be easy to obtain from census. Not entirely sure whether a bar chart is too simple for religious diversity, can the map be normalised? Does it need to be?

Title

map

Sub text

~~~~~
~~~~~
~~~~~
~~~~~

~~~~~
~~~~~

Religion

~~~~~
~~~~~
~~~~~
~~~~~
~~~~~

~~~~~
~~~~~
~~~~~

Map on top to bring it into focus

Title

sub 1
~~~
~~~

map

c1

~~~
~~~

Sub 2
~~~
~~~
~~~

bar

tree

~~~
~~~

→ clear flow (top to bottom)

→ Text to describe each chart

→ sectioning is clear

→ 2 column layout

Sheet 2,3,4 **Sheet 2**

Name
Date

Title Magazine 1

Description

Components / Operations

Tool tips for all

Zoom function on map

May also be pannable

Pro & Cons

Pros:
- Intuitive flow
- Map is at top
- Lots of text to describe

Cons:
- Potentially too much text

Discussion:
Consider reducing amount of text in the visualisation, grouping some together

Big Picture / Layout

Title
Culture

[sketch: two framed images with wavy lines above]

Religion

[sketch: two framed images with wavy lines above, bar chart sketches below]

Name
Date

Title   Magazine 2
Description

_____

Components / Operations

Same as previous
sheet

Parti / Focus

* Maintains top to bottom flow
* each different section is clearly seperated
* Text descriptions maintained
* Focus is on top section, with map & radial bar
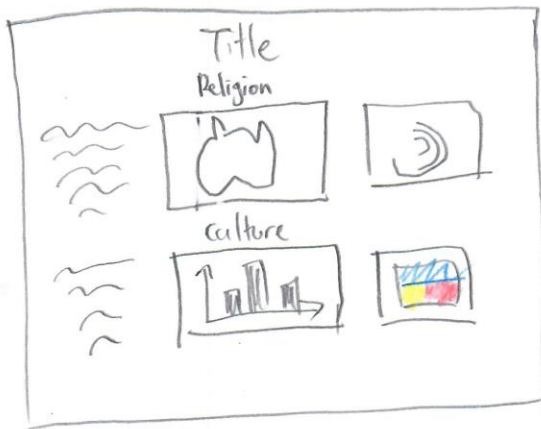
Pro & Cons

PROS:
- Clear sections with headers
- Main charts are at top of page
- Text that describes is shortened

CONS:
- Text above charts might draw focus away from charts
- Map may be too small, not drawing focus
- Still too much text
Discussion
* Need to draw focus to map
* Shorten text section/reposition it more

Title

Religion

Culture

Name
Date

Title   Poster design
Description

Components / Operations

Same as sheet 2

Parti / Focus

✱ 3-column design

✱ Map is fairly centered.

✱ Each row corresponds to a different topic
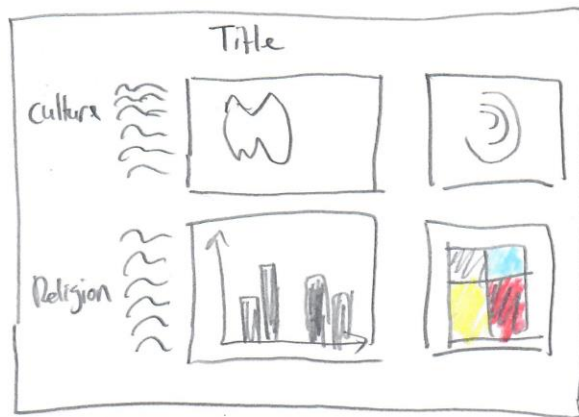
Pro & Cons

PROS:
- Seperate sections, clear sight lines
- Map is now centered on screen
- Map is also bigger

CONS:
- May be horizontally scrollable
- Headings under headings are not very pleasing to look at

Discussion
✱ Offset headings from each other
✱ Seperate row sections are interesting

Title

Culture

Religion

Poster, 2-row layout

Components / Operations

Tool tips on all graphs
- Available by hovering over graph marks

Parti / Focus

∗ Map in the centre

∗ Organized layout

∗ titles are out of the way

Details

∗ Religion graphs have not been finalized

∗ Title and description will give context to visualisation

∗ Design is simple

∗ Graphs should take 2 weeks in total