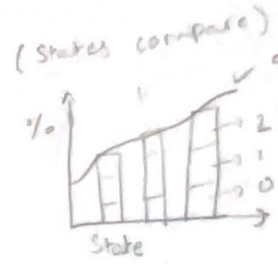
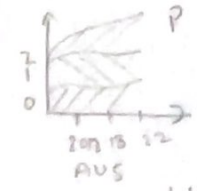
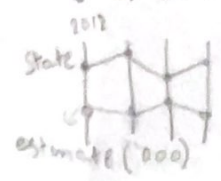


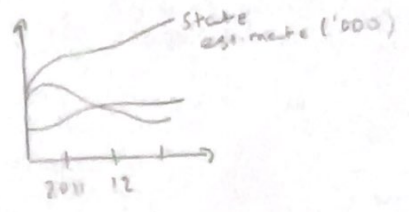
Sheet 1

Ideas

① No of selected chronic condi.

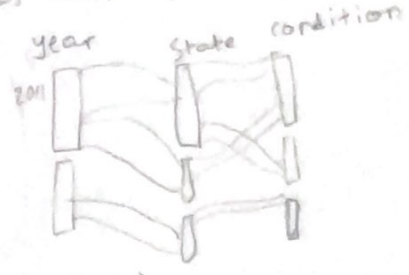
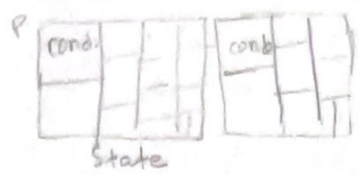


overall AUS



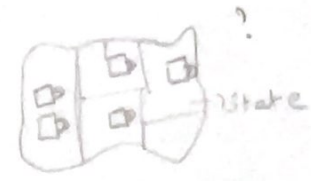
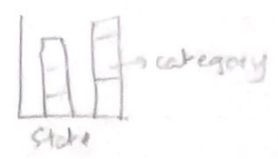
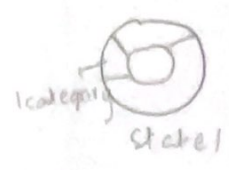
② Selected current lt cond.

(States compare)



③ Health risk factors (States compare)

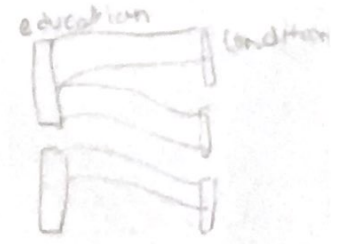
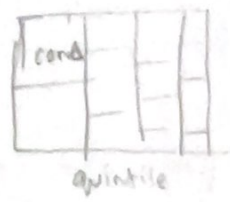
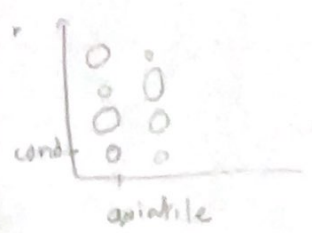
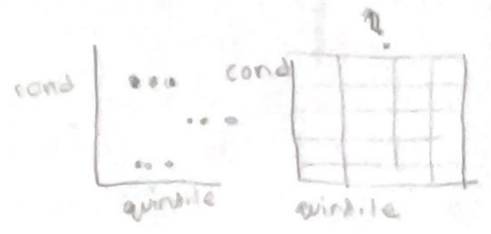
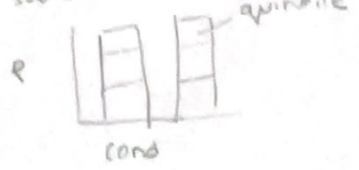
Alcohol, BMI, consumption, smoker status, psychological stress



VIC specific

④ lt. cond. by pop. char.

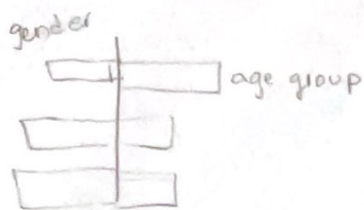
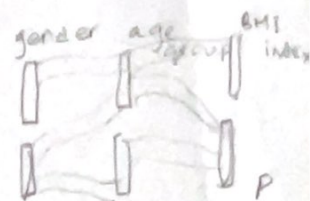
socio eco. disadv.



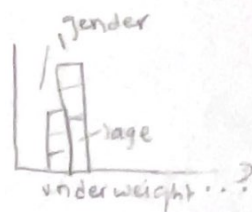
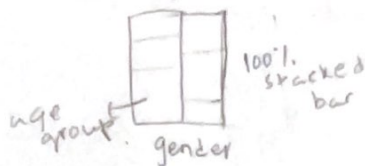
highest education level

⑤ Health risks by pop char. (same as 4)

⑥ BMI by age, sex



physical activity (no diverging bar chart)
psychological distress (")



⑦ Health expenditure/capita



Filter

- ① Bump chart would be less efficient than area chart to compare across categories
- ② Heat map for each state - difficult to compare 8 multiples 2, all the conditions at once
- ③ Donut plot - inefficient to represent %'s of 12 health risks in 1 plot.
- ④ Sankey chart - difficult to implement in Vega Lite
- ⑤ Dot plot to represent health expenditure - becomes messy & data is normalized → use choropleth

Categorise

Health expenditure - quantitative
country - categorical

Chronic conditions - Estimate - quant

No of conditions - categ.

by State - categ.

long term chronic cond. - categ.

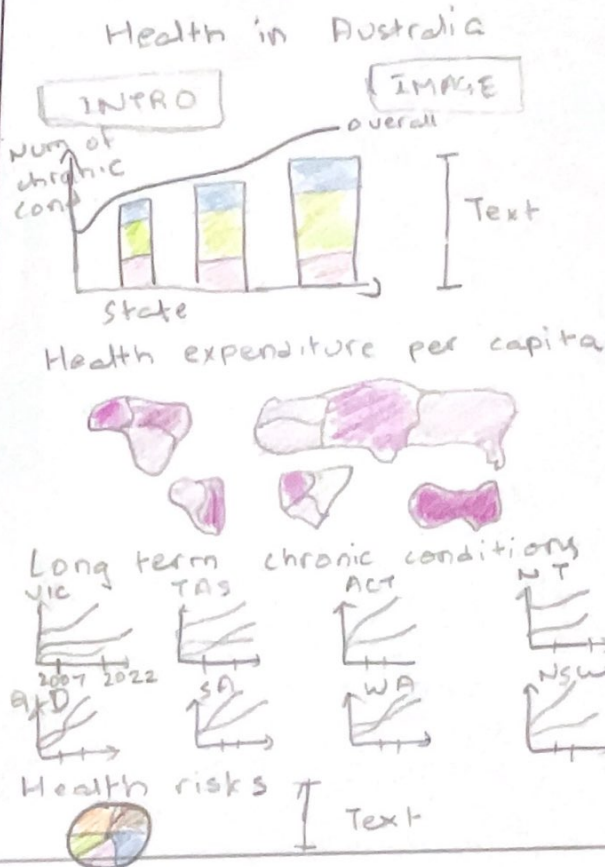
Health risks - categ.

%'s - quant

Combine & Refine

Can show area chart & bar chart for overall Australia for each state.
compare trend (by state, year)
multiple heat maps for health risks → combine into 1 & add colour for each category.

Big Picture / Layout



Part / Focus

The layout is organised such that it has 2 focus

1. Choropleth map - to compare Australia with other countries
2. Other plots - to compare across states in Australia

Sheet ~~2.0.4~~ 2

Name Nirya

Date 3/9

Title FIT3177 A2

Description

Components / Operations

Add year Filter to choropleth - to compare Australia's exp across years

Filter for chronic condition in line chart

Filter for year & health risk in pie chart

Pro & Cons

Pros -

Choropleth world map allow comparison across countries

Cons -

4 line charts in a row - cognitive overload

Pie chart shown for a single state at once cant compare across states.

Health of Australians

INTRO

IMAGE

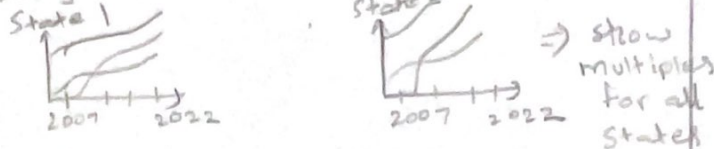
Health expenditure per capita



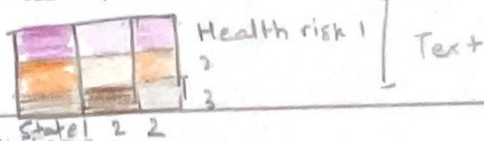
Number of chronic conditions



Long-term chronic conditions



Health Risks



Part / Focus

Equal emphasis on all plots -

2 Focii -

comparison across countries

comparison across states

over years

=> trend

Sheet 3

Name Nirya

Date 3/7

Title FIT3179 A2

Description

Components / Operations

Add year filter to

choropleth map

filter for number of conditions category

filter for long term chronic condition

filter for Health risk category

Pro & Cons

↑ visual variety - different chart types used

Clear 2 column layout

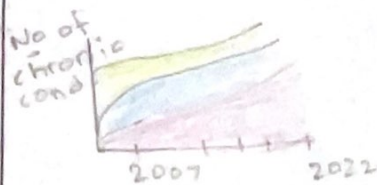
Cons -

Australia is not focus in choropleth map → rotate map / add text.

Many health risks in 1 heat map → explain through text.

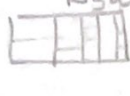
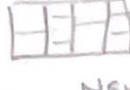
Health in Australia

INTRO TEXT



Overall Australia trend Text

Long term chronic conditions -



Text

Health risks -

Health exp. per capita



Part / Focus

Focus would be on comparison across states. The heat maps will take up significant space compared to rest of plots & will be the visual element of the layout.

Sheet 2.0.4

Name Nitya

Date 4/9

Title PM3171 A2

Description

Components / Operations

Can add year filter to heat maps to compare %'s for each state across years.

Magnifying effect on heat map to look closely at smaller categories.

Year filter of proportional symbol map.

State filter on donut plot

Pro & Cons

Pros -

Has a clear focus

Simple & has interactions

Cons -

Donut plot should take up the centre space as it shows a lot of information - 12 health risks comparison.

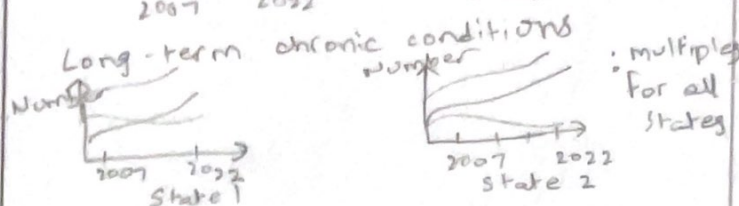
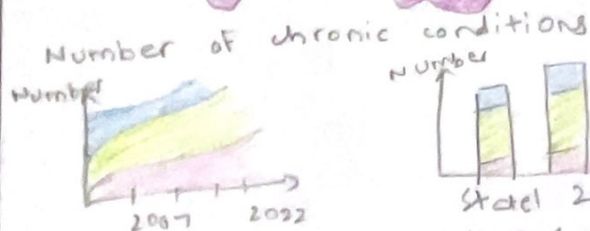
Big Picture / Layout based on Sheet 3

Health of Australians

INTRO

IMAGE

Health Expenditure Per capita



Text

Provides balanced view - equal emphasis on all plots.
Groups together plots with a focus - 1st part to compare across countries, 2nd part to compare across states

Sheet 5

Name Nitya

Date 4/9

Title FIT3179 A2

Description

Components / Operations

Filter -

Year Filter on choropleth map
Number of conditions Filter
For area chart &
stacked bar chart.
Long-term condition filter.
Health risk category Filter

Details

Next Step - Refine layout,
clean data & normalize
where required

Time Estimate -

14-15 days

5 days - clean data &
format it to make plots
(wide/long)

5 days - make individual plots

3 days - create html page
& css

2 days - focus on layout,
typography, descriptions of plots