① Ideas

①

②

green space (y-axis) vs pop. density (x-axis)

③

LGA (y-axis) vs green space (x-axis) — Colours

④

green space (y-axis) vs density category (x-axis)

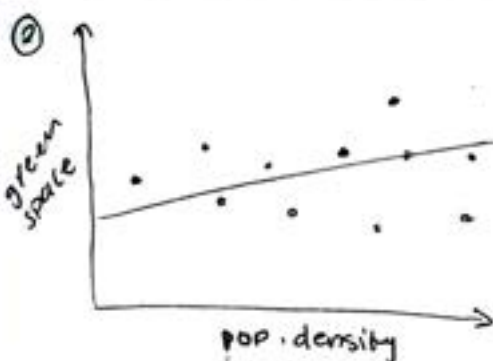**⑤ Small multiples**

green space (y-axis) vs year (x-axis) — LGA

LGA (y-axis) vs pop. density (x-axis) — 2014
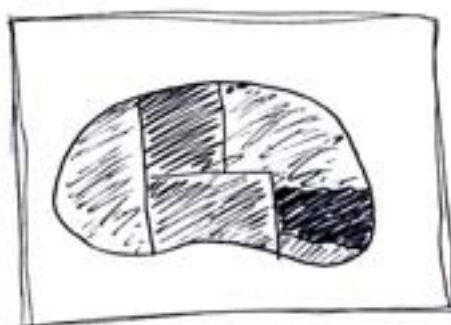
④ Combine + Refine

② Filter

Overview:

Comparison:

green space (y) vs population density (x)

Ranking:

Green space — Filter
① ___
② ___
③ ___

Small Multiples:

LGA — ∝

Final overview:

green space → pop. density
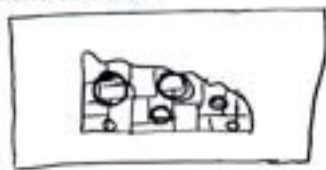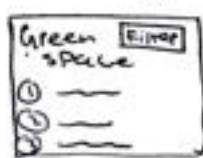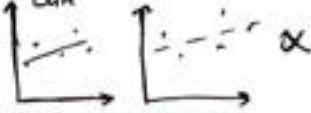
③ Categorise

① Overview — special line ↙ introduction to the topics

② Comparison — ← compare major areas

③ Correlation — specific relationship + how diff

④ Context

⑤ Explaination — favors intersect

the history of the factors interact ↓

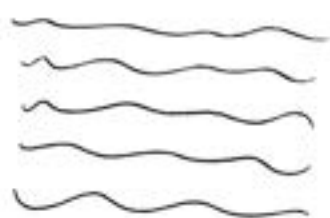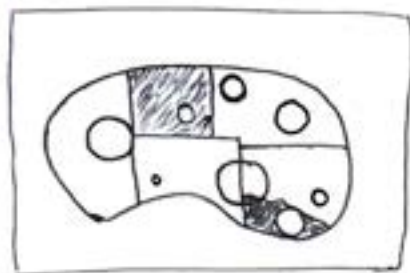narrative structure + make engaging.

⑤ Questions?

- which Victorian regions have the least green space?
- → Are urban areas significantly less green than regional areas?
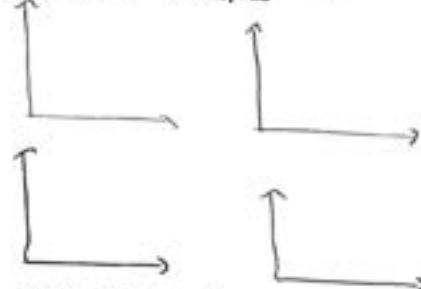- → How might policy/planning address these inequalities in future?
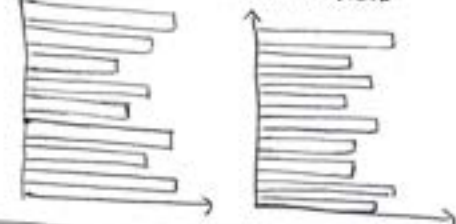
Layout

Green Space vs. Population Density

① Map

② Small Multiples

③ Bar charts of main regions

① Map that does green space % and population density as a choropleth.

② Small multiples of green space % by main few regions

③ Horizontal bar charts of the top regions and their green space and population density side by side.

Operation

Overall page filter by region / range of green space %.

Region [⌄]

Regional vs. Metro area filter

Region type [⌄]

Tooltips

→ Add region names
→ Population density
→ Green space %
→ Type of region
→ Could filter by clicking on regions (?)

Focus

→ All paragraphs are well structured to give context about their respective graphs
→ Could have the map larger since it is the main focus of the visualisation

Discussions

Advantages:
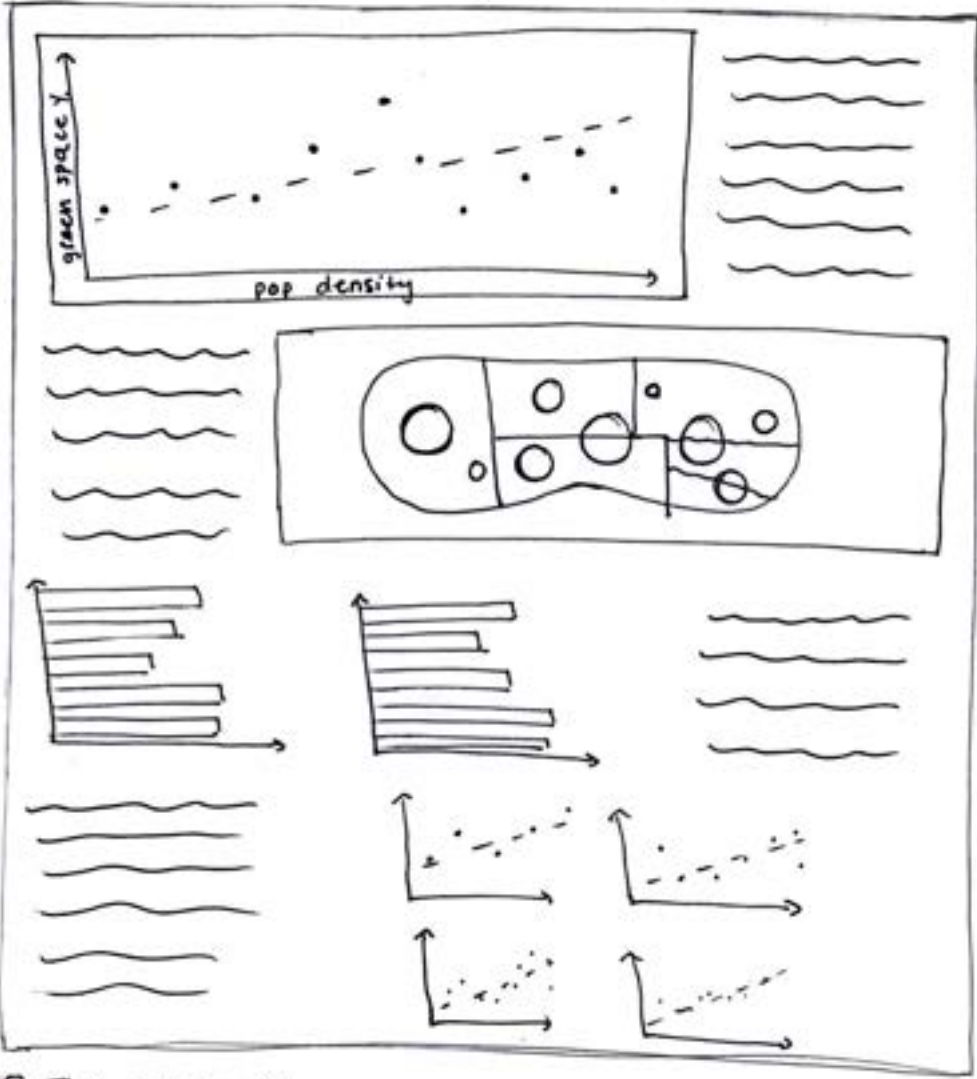① Clear hierarchy
② Easy for highlighting specific patterns
③ Very clear + Easy to understand

Disadvantages:
① Very simple (good and ba..
② lots of text

Layout

Title here! forgot to include!

green space % / pop density

① The scatterplot shows correlation between green space and population for different regions. dots = regions

② Map with choropleth base and dots overlay shows correlation in a different form.

③ Bar charts horizontal to put the two variables side by side.

④ Small multiples of the main regions.

Operation

Could have overall filter for green space | pop

filter by: [▾]

dropdown menu:

green space %.
pop. density

Tool tips

→ Same things as before
  o pop. density
  • green space %.
  • Region
  • Type of region
→ filter by type of region

Focus

→ All graphs are equally important
→ Clear story telling with having the corellation first and then the context.
→ want to have the most important graph at the very top left.
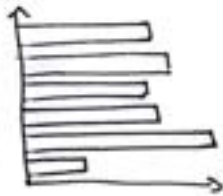→ Maybe could add title to top left also.

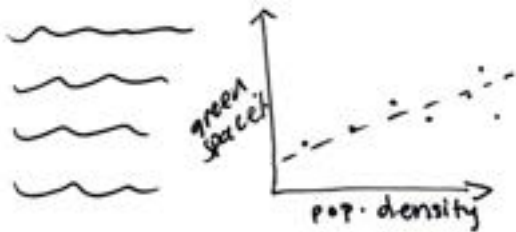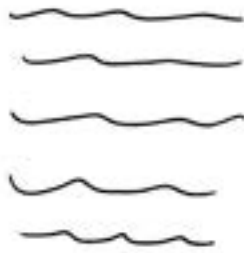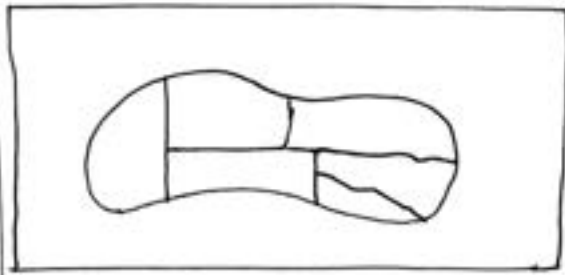## Discussions

Advantages
→ Clear and easy to read
→ less text
→ Clear hierarchy

Disadvantages
→ Map is not main priority
→ layout looks a bit messy
→

Layout

Victoria: Green Space vs. Population Density

① Map at the top left has the most focus

② Scatter plot to show correlation as second point

③ Bar chart side by side for suburbs to compare pop density and green space.

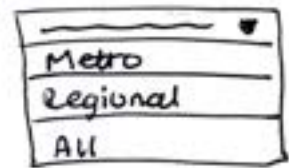④ Small multiples for main few suburbs + their green space vs. population.

Operation

D⊗ a filter for metro vs. Regional areas for the map.

Region Type [▦ ▲▼]

Dropdown menu

| ——————— ▼ |
| Metro |
| Regional |
| All |
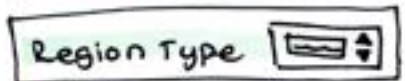
Tooltips

→ Population density
→ Green space %.
→ Region

↳ could also filter by the region type in tooltips.

Focus

→ The main focus is the map in the top left
→ Clear hierarchy with the title and the way that the graphs are put on the dashboard
→ Small multiples and bar charts of less importance = more of them on the same line.

Discussions

Advantages
→ Map is at centre, main focus.
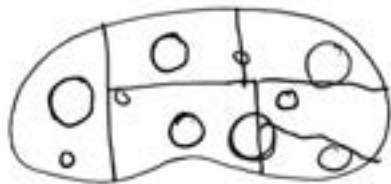→ Good, clear layout
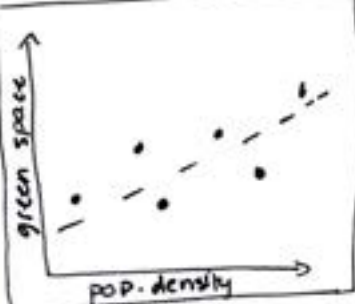→ Good text to idiom ratio

Disadvantages
→ Looks a bit messy

Layout

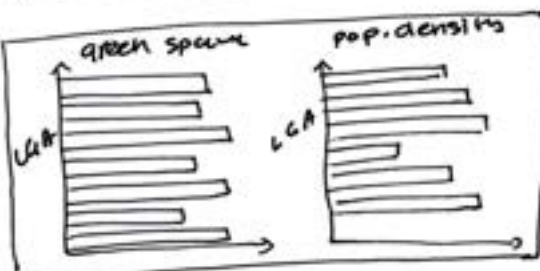## Victoria: Green Space and Population Density (2024)

short context

Text box

Textbox

green space / pop. density (scatter plot)
green space (y-axis) vs pop. density (x-axis)

Textbox

green space / pop. density (bar charts)
LGA / LGA

Textbox

Box plots

Textbox

Top green space

Top pop. density
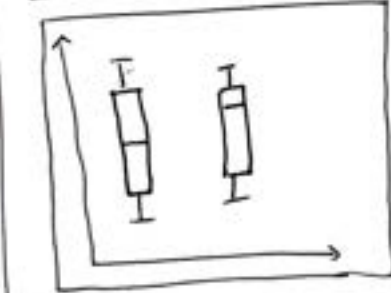
→ Add metadata at bottom, short textbox

Operation

filter bar overall:

Filter by: [SELECT⊤]

[SELECT]
ALL
Metro
Regional

Tooltips:

Map: Local government area ~
pop. density ~
green space ~ v.

Scatter and bar plot graph →
LGA ~
pop density ~
Green space ~
region ~

box plot: density type ~
Max ~
min ~
media ~
Q1 ~
Q3

Focus

→ Main focus on map, it takes 2 coloums in the first row.

→ Rest is 3 equal columns.

→ Titles bold - not italics and main title biggest.

→ Can add a few images to make engaging + not have too much white space.

→ Colour pallette needs to be sorted + relevant.

→ Align everything equally.

Detail

→ Need to test colours on color oracle for map to make sure circles look good.

→ Box plot can be hard to implement.

→ Data only really for metro regions.