IDEAS (1)

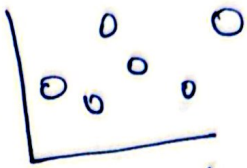
a)

piechart for all states

b)

Stacked bar chart for all local

c)



bubble chart showing diff areas.

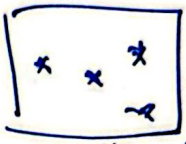
d)

heat map showing the hottest

e)

line graph showing change overtime.

f)



Scatter plot plotting hottest areas.

FILTER (2)

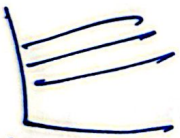
a)

piechart for all states

d)

heat map showing hottest suburbs

e)



line chart showing change overtime

b)

stacked bar chart.

Questions. (3)

1. Hottest areas average temp?
2. How does heat affect?
3. Effect of heat on elderly.
4. Hottest state on avg. in australia.
5. How will all this survey help in other way such as building temp friendly homes.

Categorizing

(a) and q.4)
(d) and q.1)
e) and b) q. 2, 3.. 5)

COMBINE AND REFINING.

Can combine the heat map and line chart to show the hottest average temp affected suburb. Can have a metric for the hottest day, that is temp $\geq 35^{\circ}C$ and age at 65 or greater.

Can also compare hottest state in general and where the UV radiation is maximum.

LAYOUT

Left: Melbourne LGA chloropath shaded by annual hottest days.
Right/Below: Ranked bars of heat x %65+ for the same year.
Sub note: Tooltip shows LGA, hot days, %65+ and combined score.

INFO

Title: Hot days per year by LGA
Audience: General public / class marker
Message: Spatial contrast : Western / northern corridors usually hotter.

OPERATION

Hover LGA → LGA tooltip ; click LGA → highlight same bar
Slider or direct interpretation for remaing data.

FOCUS

A few persistent LGAs stand out for hot days. when crossed with older populations. risking their safety.

Discuss

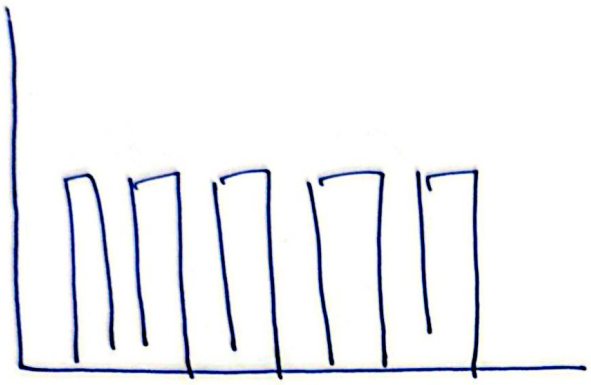
+Map gives guide where, bars give clear which first.

Chloropeths can hide small areas counts Include labels on hover.

PROMPT

explain what's what and how all correlate.

Layout



Multi-LGA Line Chart — hot days (35°C ≥) from 2018-2024 for a shortlist of LGAs.

INFO

Title: Change over time.

Message: Direction of change in the story.

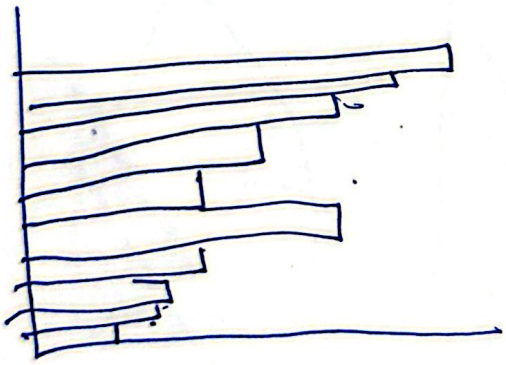
OPERATION

Legend click to mute lines
Hover shows values.

Optional year band annotation for notable summers.

FOCUS

Identify 2-3 LGAs with clearly rising trends vs 2-3 that are stable.



DISCUSS

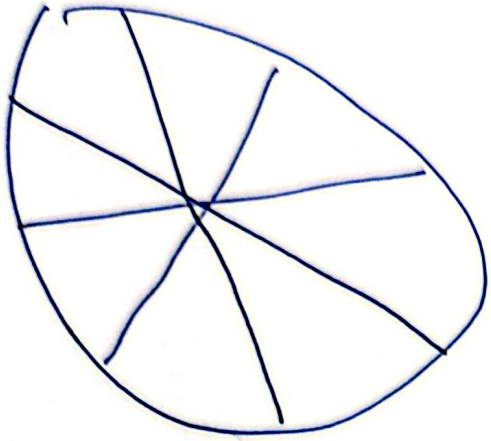
+ve Trends reveal persistence; helps defend your narrative

-ve Too many lines overwhelm → keep curated set and put others in legend.

Prompt:

Write 2-sentence reading guide to understand the chart.

LAYOUT



Donut Piechart : One slice per state territory (ACT, NSW, NT, QLD, SA, TAS VIC, WA).

Value = Mean max temp in the hot-day season.

Legend only (no internal labels). Tooltip shows State 25.9°C

INFO

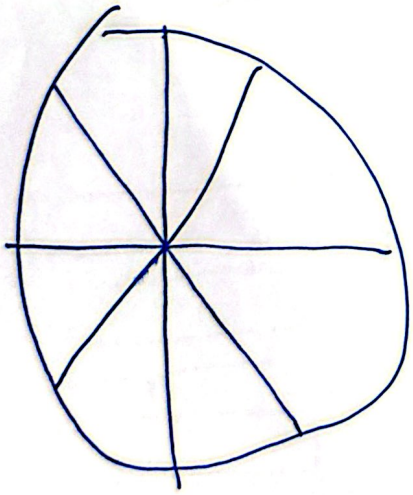
Title: Heat during hot days, by state in 2018.

Message: A single, memorable snapshot; NT and QLD large shares; TAS, ACT small.

OPERATION

Hover slice for exact °C; legend on the right.

FOCUS



Rank order rather than precise values.

Relate back to Melborne context.

DISCUSS

+ve

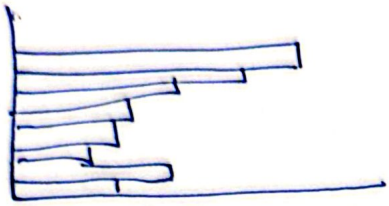
Very fast comparison for a single year.

-ve

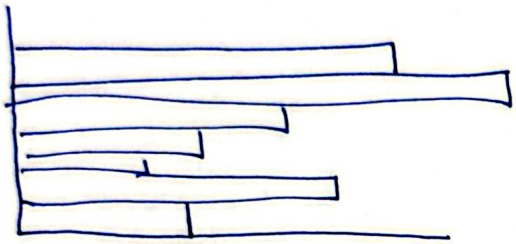
Pie hardly shows small numerical differences.

It is ok maybe because that not our main focal point.

LAYOUT

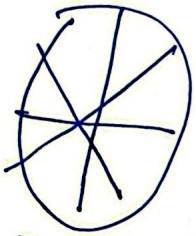


≥ 35°c



% 65+

Chloropeth.



Donut Pie. Chart.

INFO

Title: Heat and health.

Message: How heat affects

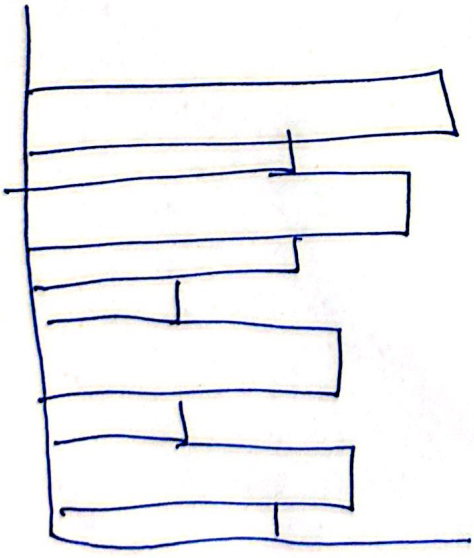
OPERATION

Drop downs for the bar charts showing the change and growth over time.

Multicolored piechart showing the different aussie states.

Heat map showing the hottest areas.

FOCUS



Annual mean temp and the ages simultaneously

How heat is unevenly spread and how weak the ozone is.

Discuss

+ve Some states relatively cooler and how it can be better

-ve Health risks in hotter states.