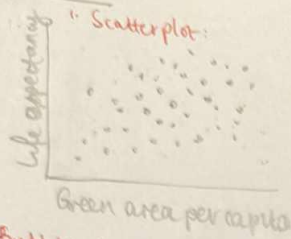
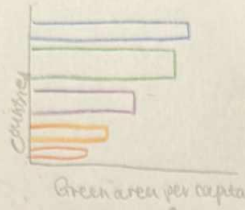


IDEAS



3. Bar chart (ranked)



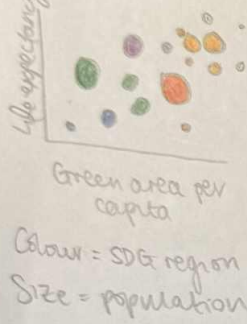
6. Treemap



9. Radar map



2. Bubble chart:



4. Line chart



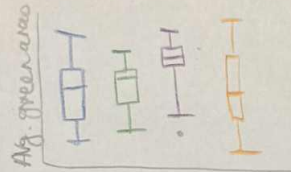
7. Choropleth map



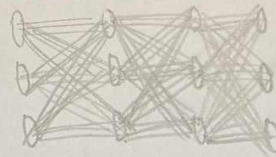
10. Stacked bar chart



5. Box plot



8. Parallel coordinates



FILTER

Remove treemap

↳ Other idioms show the same info in a similar way.

Remove duplicates?

↳ Scatter vs. bubble

Must keep balance

↳ some correlation, spatial + time.

CATEGORISE

Correlation - focused:

- scatterplot
- boxplot
- Bar chart

Spatial:

- Bubble
- Radar
- Map

Temporal:

- line chart

Multivariate:

- Parallel coordinates
- Bubble?

COMBINE + REFINE

Scatter + line plots can show correlation over time

Map + symbols (eg. bubbles) for geography + ranking

Important to keep temporal idioms as the domain is a rapidly changing topic.

QUESTIONS:

- Does this have a clear story?
- Does it have a good balance of simple + complex?

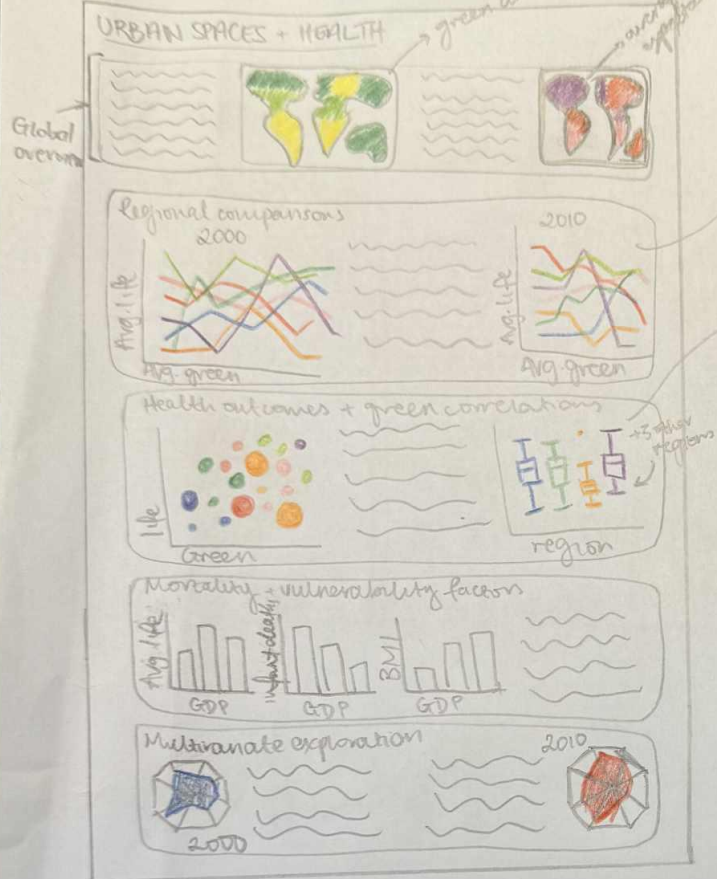
Author: Tai Davies

Date: 22/9/25

Sheet: 1

Task: 5 design sheets.

LAYOUT



Time: 5 design sheets
Name: Tim James
Date: 22/9/25
Sheet: 2

OPERATION

FILTER

by region. Highlights 1 line for easy reading

Tooltip: for all idoms - provides more in depth + specific info.

Click to highlight country/region across entire visualisation

FOCUS

- No main focus as all graphs contribute to the storytelling.
- User is meant to read the narrative while exploring the visuals through hovering, filtering + comparisons
- Big picture → focus + comparisons

DISCUSSION

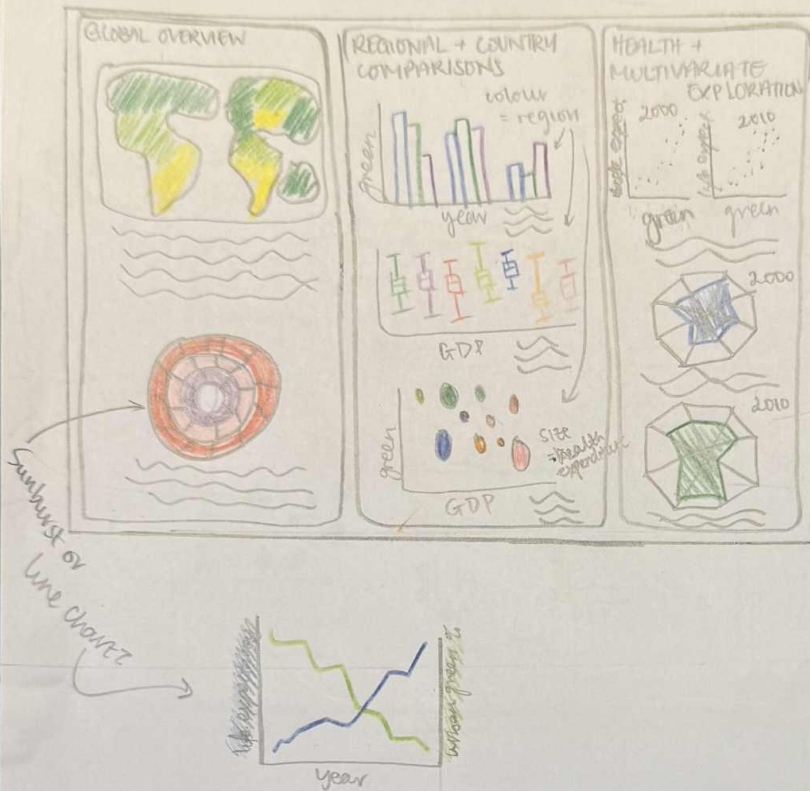
Pros:

- Both explanatory and exploratory visuals
- Accessible with narration + powerful for analysis

Cons:

- Complex idioms could be overwhelming to novice users
- Information overload?

LAYOUT



Author: Tina Davies
 Date: 28/9/25
 Sheet: 3
 Task: 5 design sheet

OPERATION

Tooltips when hovering

Scroll to adjust range of years
 2000 0 2020

Click on country/region to filter entire dashboard

Drop down filter for region/year

Focus

Users are able to view multiple levels simultaneously

↳ can compare insights across columns

Providing different levels of depth/detail means that there is no single focus.

Visual attention is shared amongst all columns.

DISCUSSION

Pros:

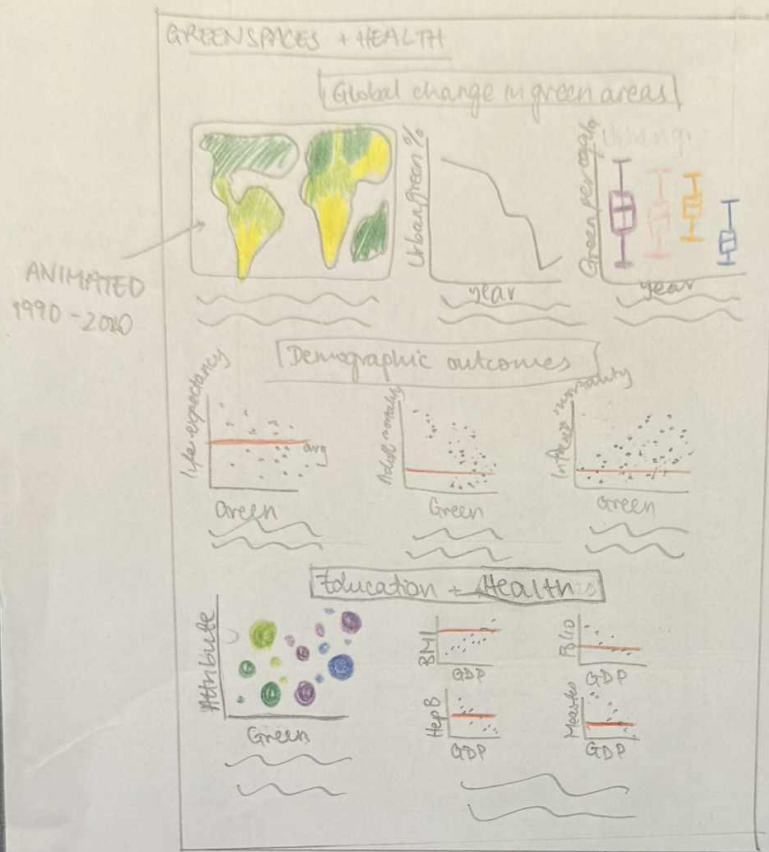
compact → allows for side by side comparisons

Clarity via grouping

Cons:

Not as much narrative structure/storytelling guidance

LAYOUT



Name: Tia Davies

Date: 23/9/25

Sheet: 4

Task: 5 design sheets.

OPERATIONS

Scroll for temporal narrative.

Drop down for year/region

Click for highlighted years or regions throughout dashboard.

Tooltips

year
country
region
value

FOCUS

Temporal + regional narrative

↳ comparison is a main focus

Shows how green areas + health evolve around the world

3 main section to focus on

↳ breaks down into specifics the more the user scrolls

DISCUSSION

Pros:
Emphasises temporal dynamics

Uses multiple attributes rather than just life expectancy

Cons:

Hard to keep the narrative concise

Easy to overwhelm users with idioms

LAYOUT - Based off sheet 2:

Avg life expectancy

Name: Tia Davies

Date: 24/9/25

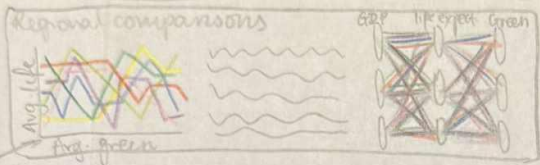
Sheet: 5

Task: 5 design sheets.

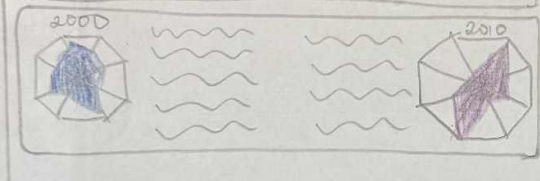
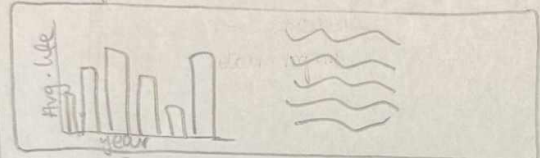
Green per capita

Introducer
to main
attributes

URBAN GREEN SPACES & GLOBAL HEALTH



OR
Bubble
Chart



OPERATION:

Filter by region:

- bar at top of dashboard
- click on specific parts of map / graphs
- multi-select filter by region

Search bar:

search for particular attributes?

Tooltips (for all idions)

- Region
- Population
- Country
- Green per capita

FOCUS:

Storytelling poster that shows
global → regional → temporal
health ↙

Key idions: choropleth maps,
parallel coordinates, radar chart,
bubble chart (if put in)

↳ complex idions add depth
to storytelling.

DETAILS:

Dependencies: Vega-
Lite, Excel for data
cleaning, VScode

Estimated time + effort

At least 3 days to build
all idions + 3 days
for final design +
layout

Specific requirements:

larger visualisation for
clarity on small screens