IDEAS
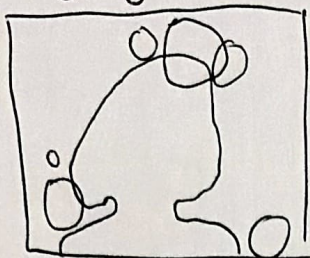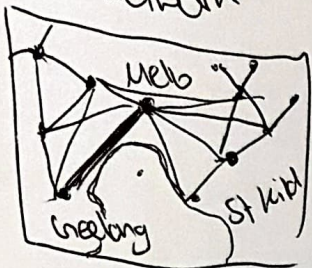
Location Map (Rack location)

Cycling Popularity

Bike Network

Melb
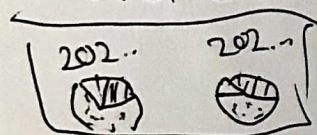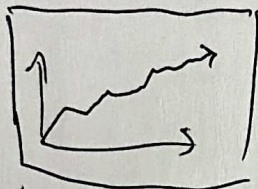Geelong   St kild

on map?

Types of bikes
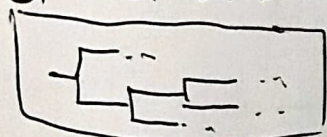
Electric bike market share

202...   202...

over time:

By state

FILTER

Cycling Popularity →

2024

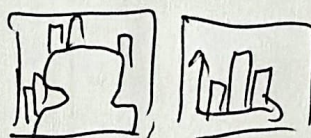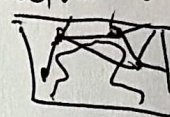VIC   NSW

Maps:
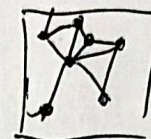
Network

CATEGORIZE

Popularity Bar Charts:

Networks

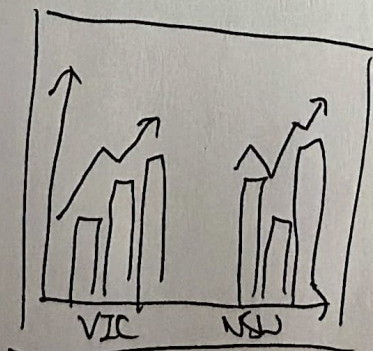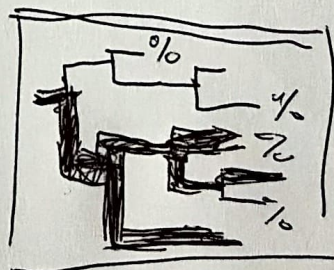Temporal Charts

2024
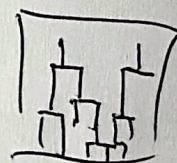
Market Share + categorisation

COMBINE & REFINE

No. of bike racks per m².

VIC   NSW

Popularity
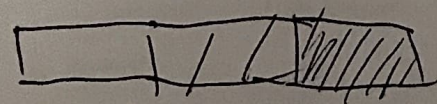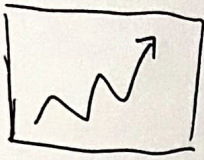
QUESTIONS

- Shows trends in bike usage
- Can show what current infrastructure looks like
- Gives overview of bikes

LAYOUT

CYCLING

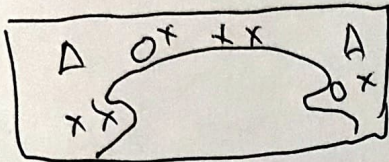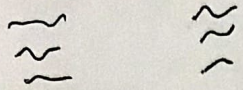Becoming popular

Infrastructure
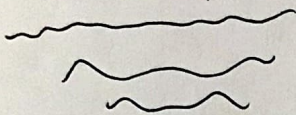
connectivity
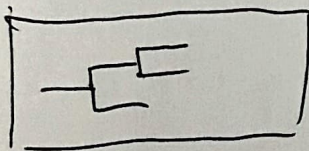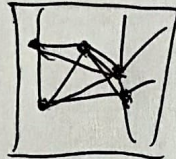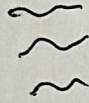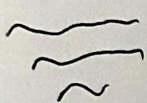
TYPES

: Market share

BHAVESH PATEL

83111677

pg. 2/5

"List Layout"

OPERATIONS

- Scroll from top to bottom.
- Reading story telling

- Some charts are interactive.
- Use filtering for interactive charts

- Allows multiple datasets for same idiom.

FOCUS

Large Map is the focus.
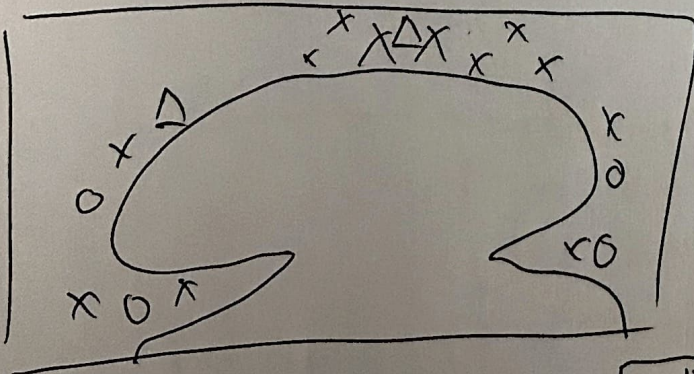
Legend
- X — Bike Rack
- O — Parking Lot
- Δ — Shower Facilities

Filter

O	✓
X	✓
Δ	X

DISCUSSION

Pros:

- Simple
- Good flow & story telling
- Large Map fits well

Cons:

- Boring
- Needs scrolling

LAYOUT

C Y C L I N G

Popularity

Locations

Network

Types
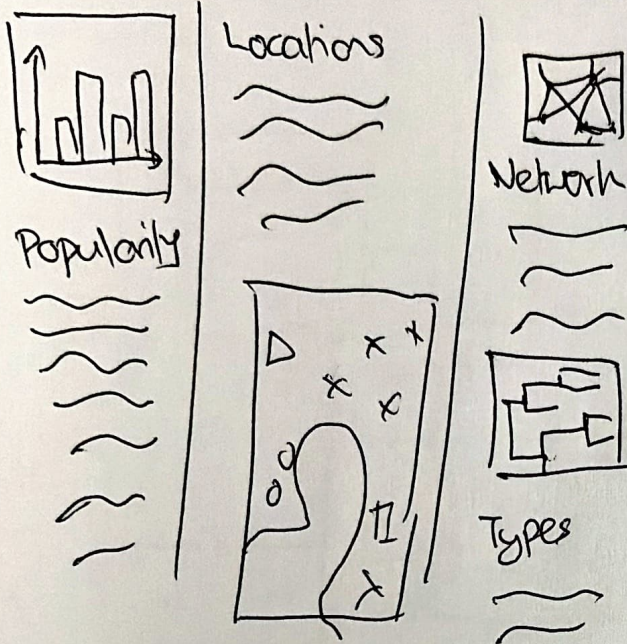
"Magazine"

OPERATIONS

- Click on graph filtering
- Changes many graphs at once, since they are all in view
- Primarily filtering

FOCUS

Filtering Bar Chart

- Clicking on 'VIC' bar filters other idioms:

VIC   NSW ACT

DISCUSSION

Pros:
- Fits on one page
- Can have more writing

Cons:
- Need proper use of CSS containers
- Page size may vary by device
- Lot of reading

LAYOUT

START

Popularity

TYPES

Conclusion

END

Network

MAP

x x
x x x

"Flowing"

OPERATIONS

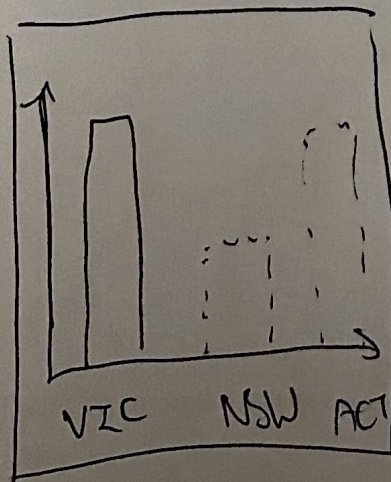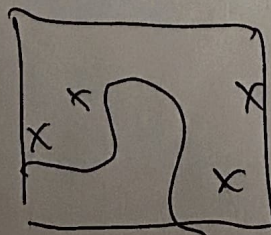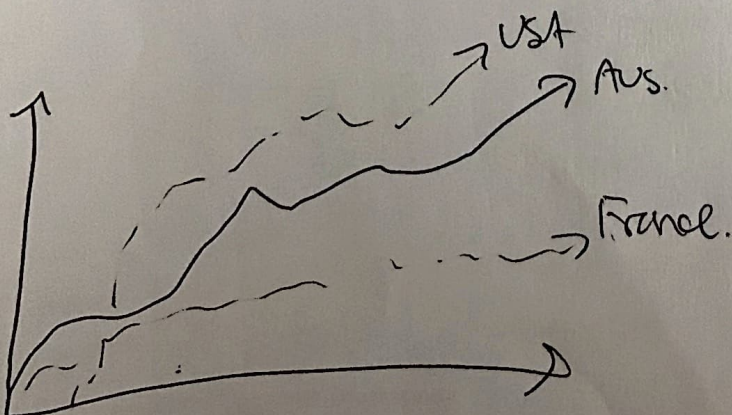- Follow the bicycle lanes, to continue with storytelling

- Self contained visualisations and interactivity

- Defined start & end points

FOCUS

Popularity graph
- International comparision

USA
Aus.

France.

DISCUSSION

Pros?

- Fun cycling inspired flow

- Self contained story telling

Cons:

- Not good sightlines
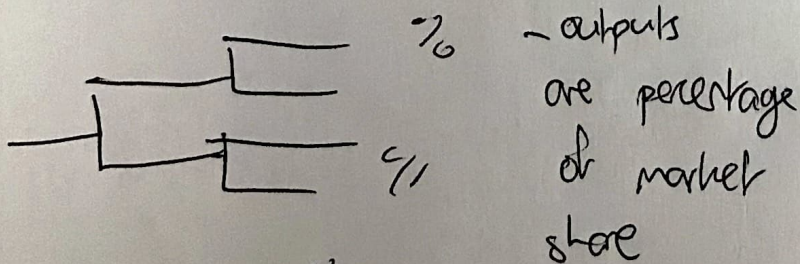
- How to make road connections?

LAYOUT

"Final Design"

OPERATIONS

- Filters & interactivity mostly contained under each heading

- Data doesn't overlap well so not much interconnectivity

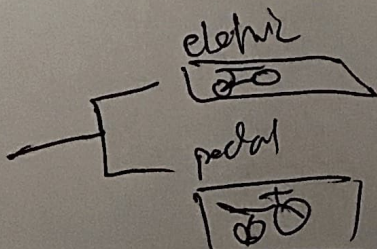- Everything should fit in one page

- May need to explore autosizing

FOCUS

Types & Market share network

% - outputs are percentage of market share

10-20%
30-40%
50-60%

- Arrn thickness associated to % of market share

electric

pedal

- Add picture examples of each bike

DETAIL

- Utilises CSS 3 column container layout well.

- Cycling lore graphic on edge frames magazine style storytelling