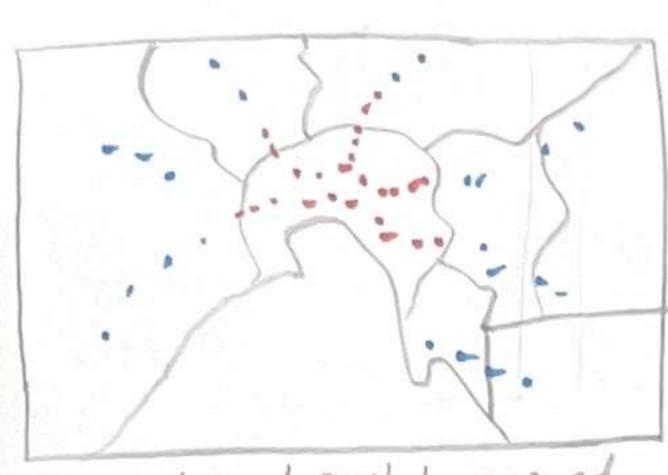
IDEAS

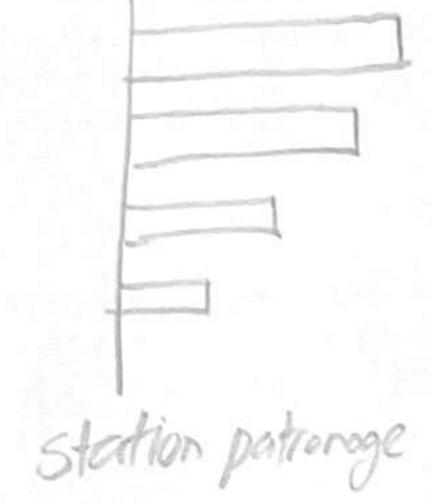


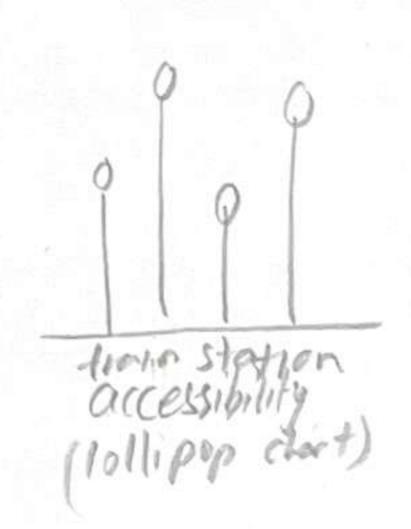
proportional symbol map of each team station.

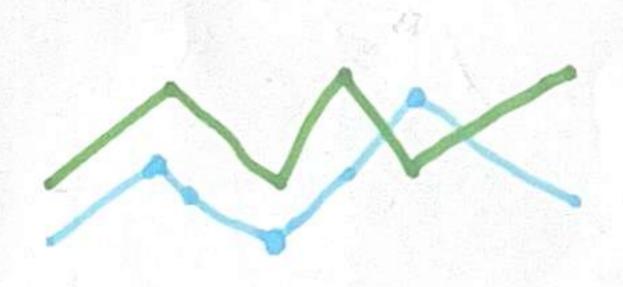


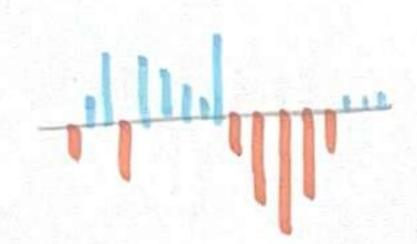
choropleth map of train











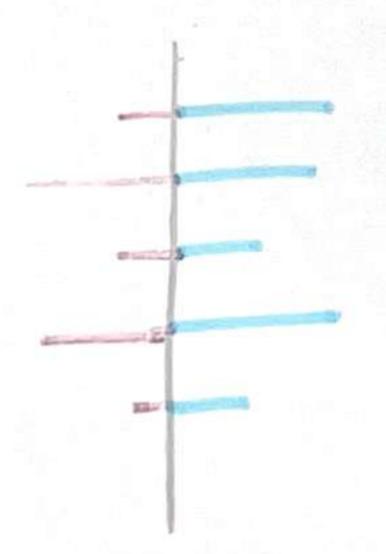


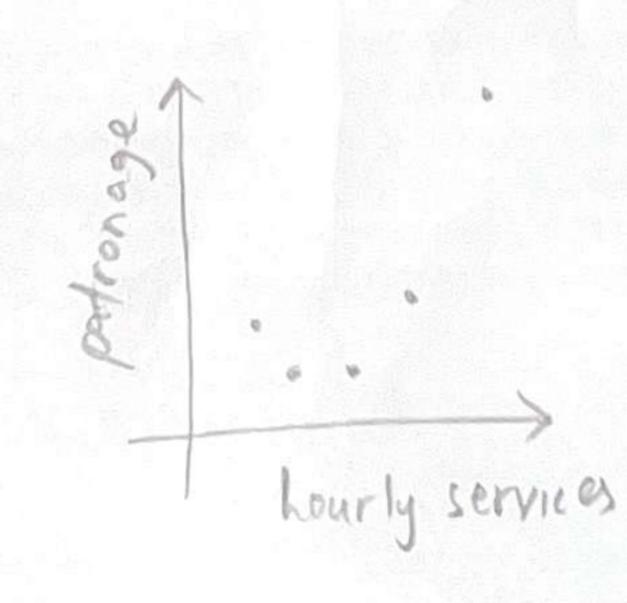
train punctuality at Station

Lurly services by trains

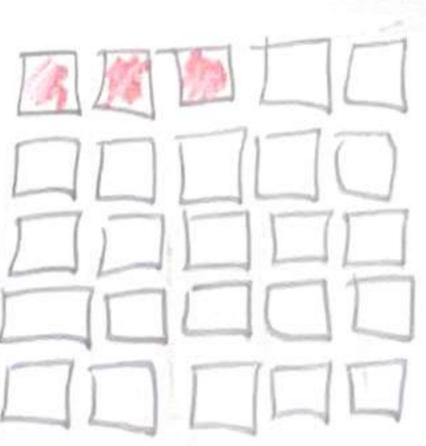
patronage over the years by station (slope)







Station patronage bosted on regional/metropolilar



portronage that require accessibility

FILTER

- o distance from city center (can be Flinders Street)
- · death area on may
- · train lines (e.g. Rhenham)
- of itter all idioms based on region
- · Zone 1/2 one 2

CATEGORIZE

- TRAIN STATION SPREAD ACROSS AT VICTORIA
- STATION ANALYSIS
- SERVICE PERFORMANCE
- · ACCESSIBILITIES OF TRAIN STATIONS.

QUESTIONS

- HOW to create the slope
- · How to create the charopleth as dataset does not contain any suburb data
- · Punduality data from API? Is a dataset possible

REGIONALI TRAIN STATIONS

description choropleth of train station counts. this % of trains go to aise regional stations. but it leads to this (2%) amount of patronage. compared to metropolitan by & months of the year (diverging bar) Compare the locations: Why which station is more popular. patronage of stations FOCUS -> Convey the proportion of regional train stations -> Highlight how for the stations are.

-> Indicate patronage for stations in a region.

-> Compare regional and metropolitan patronages

-> Tells a slory of regional train stations

-> Compare stations in a given region.

and why they are popular.

Station Analysis.
Name: Mahathir M

Lutfullah

Date: 20 Oct 24

Sheet: 2

Task: Compare regional
and metro-trains

OPERATIONS

Select on choropleth to see each region.

Sort bor chart to see ascending and descending order.

DISCUSSIONS

Diverging bar may not be the most appropriate, explore

· Annotations need to be in bores to follow sight lines . How to add reverse bor chart button?

TRAIN STATION AVAILABILITY



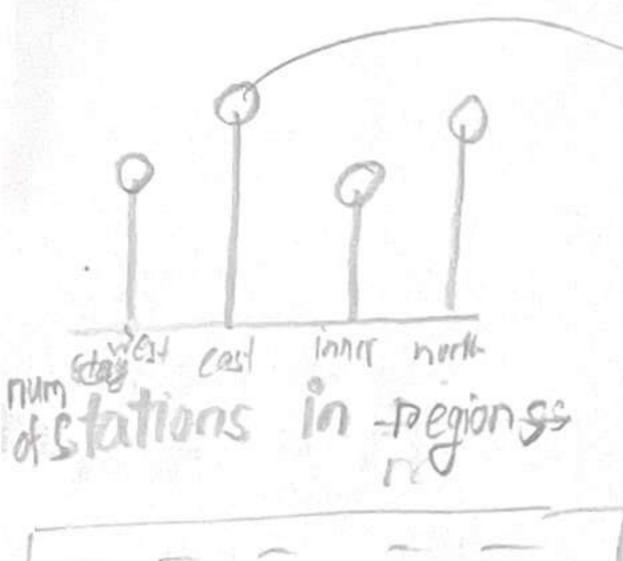
VIC has a bain stations. A total of
y people use it annually.
How easy is it?



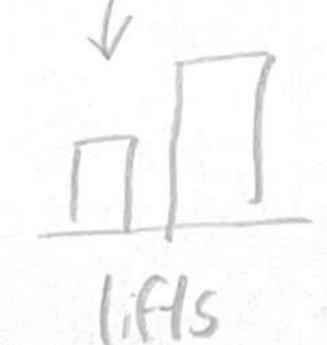
meet this target of 800m of train



suburbs.



2/2) are accessible



TILL hearing aids

FOCUS

- · Show all train stations
- · Convey stats on how easily the train station can be accessed.
- · Convey the access from suburbs in VIC.
- · Show station count by region.
- · Show accessibility options at train stations (e.g. lifts)

Title: Train Station
Avoulability Dashboard
Name: Mahathir M
Lutfullah
Lutfullah
Sheet: 3
Tosk: Visualize station
accessibility

OPERATIONS

- · Bubble Size indicates station patronage.
- · Distance filter for
- · Highlight station with bar chart?
- Region wise bore chapt filler.

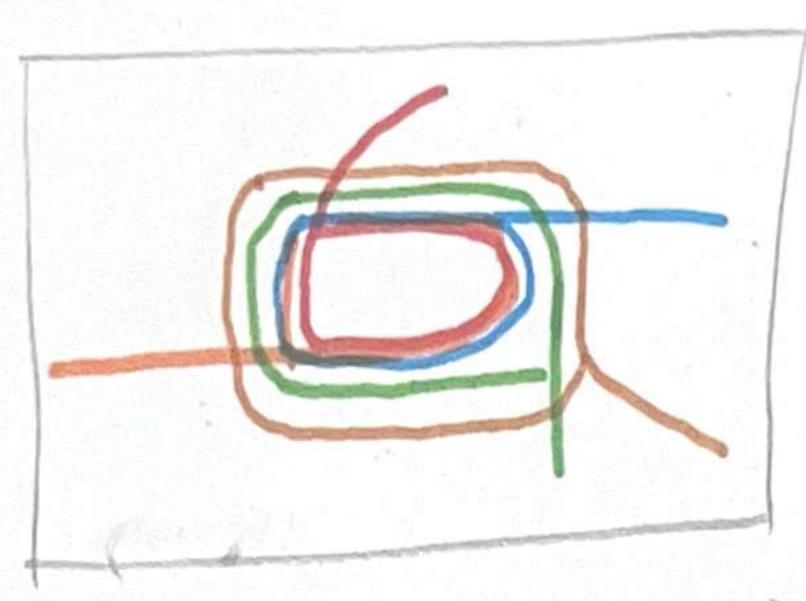
DISCUSSIONS

- · How to merge datasets?
- How to make more interactive?
- . The sight lines and flow may be

confusing

. What is PDDs?

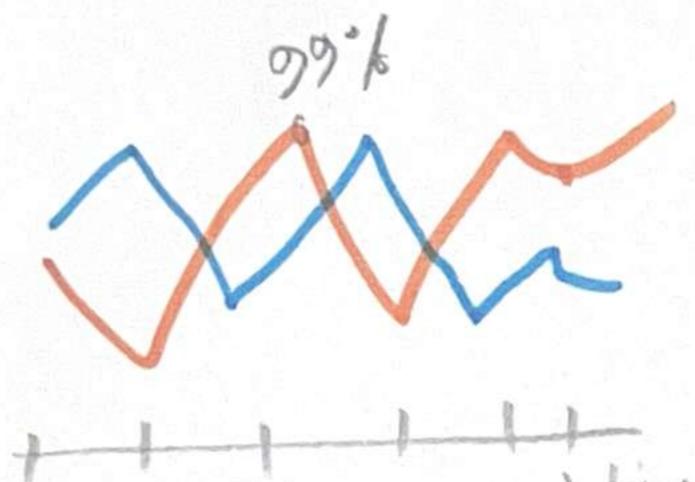
TRAIN PERFORMANCE



PTV has invested \$\$ 12 mil

in the last week

Where is it going?



+ + + time
month

delivery vs puntually

PTV was used by

people in FY23-24

Lourly survice

puntuality over the years.



-Lop stactions

This was spread daily appart as shown by the Leurly chart.

CUS

shows the performance of trains.

- · Rather than just a map, wes routes to create a network flaw map.
- Shows the individual line performance.
- · Shows top stations and the patronage bosed on daily activity. The day can be selected by a filler.

Title: PTV performance analysis.

Name: Mahathir M Lutfullah Dorle: 20 Oct 2024

sheet: 4

Task: Visualize PTV
performance

OPERATIONS

service info.

by count (e.g. <2 mil)

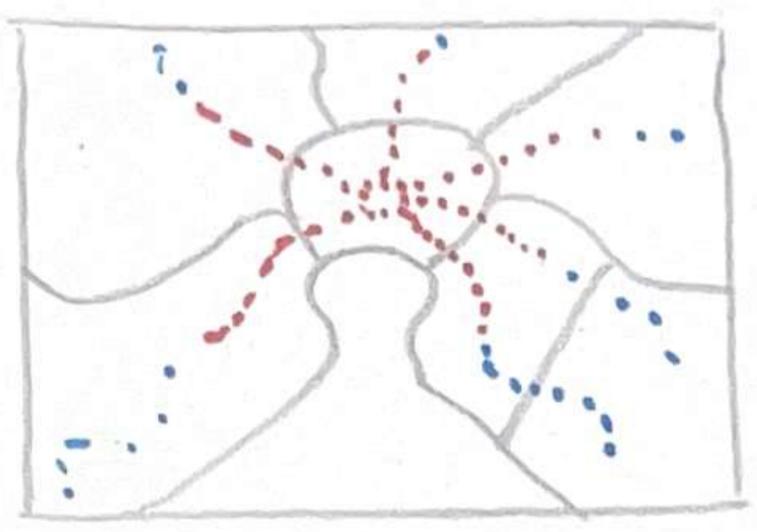
· Network flow map.
· Filter day for hourly.

DISCUSSION

· How to create the network flow map. · How to select the train service

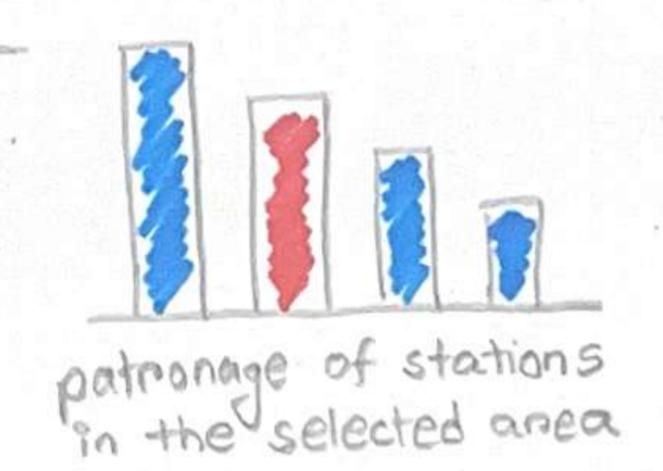
· How to get the puntuality for each train service.

TRAIN STATIONS IN VICTORIA

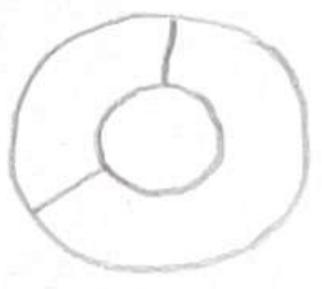


REGIONAL OR METROPOLITAN

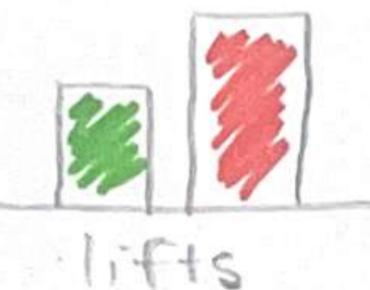




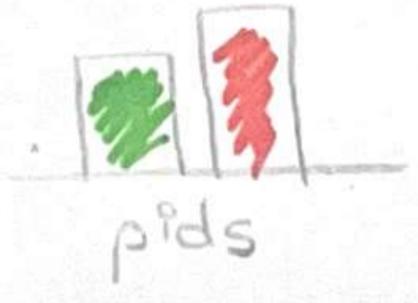
HOW ACCESSIBLE ARE STATIONS

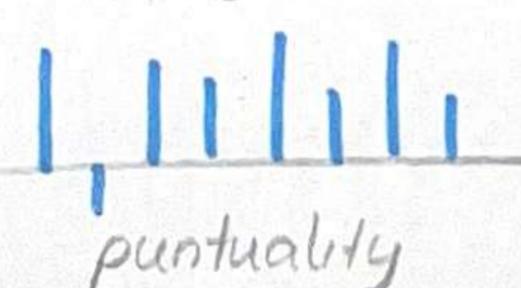
















FOCUS

- . Chbropleth shows patroonage (annual) by size,
 Type by colon.
- · Colon indicates regional/metropolitan, so some data shown.
- . Region or metropolitan delais proportions of portronage by region.
- are usable for disabled people.
- · Performance dictates station

Title: Final Design Sheet

Author: Mahathir Lutfullah

Date: 20-0ct - 24

Sheet: 5

Task: Combine sheets to create the final implementation

OPERATIONS

- Filter choropleth by the region, auto zoom
- on selected region
- o Filter patroonage bar chart.
- accessibility options
- · Puntuality and delivery tilter by

DISCUSSION

- other charts, based on input
- . Sight line use
- all on the page.