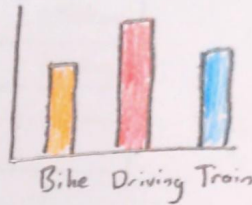
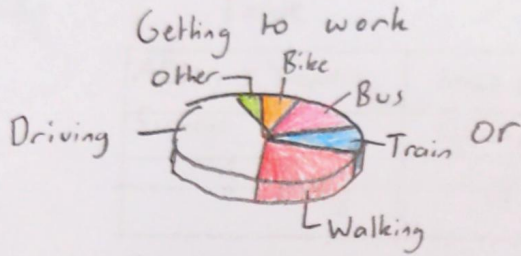
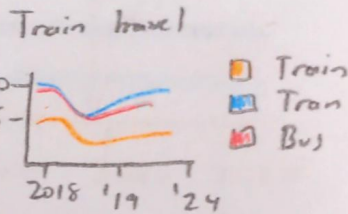
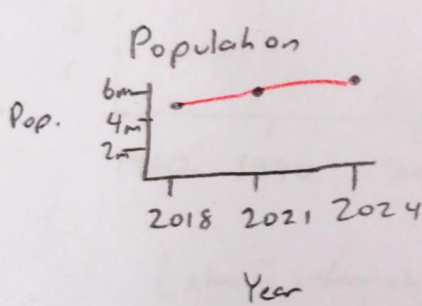


# IDEAS

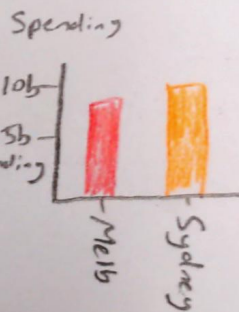
- Comparing categories



- Showing trends over time

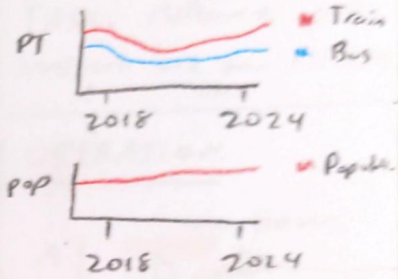


- Comparing cities



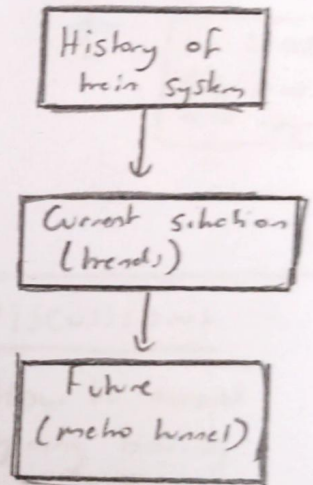
## COMBINE AND REFINES

Combine PT usage and population



## CATEGORISE

Past, present and future



## FILTER

- Focus only on Melbourne
- Ignore regional/unfamiliar areas
- Population growth by area
- Reduce number of categories

## QUESTION

- What level of depth is needed?
- Where can information be obtained?
- What colours/styles are best?
- How to create a well-organised display?

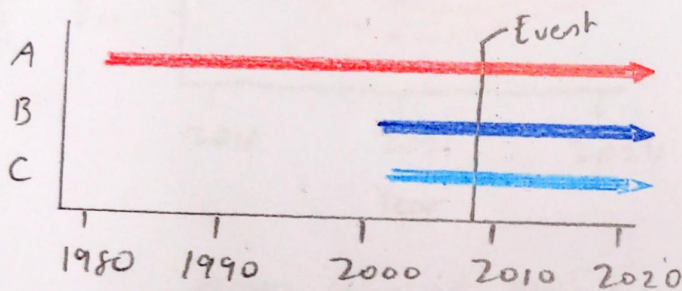
# LAYOUT

## History of Melbourne's Trains

### Table

Alstom X'Trapolis	2002-present	150m
Siemens Nexus	2002-present	150m

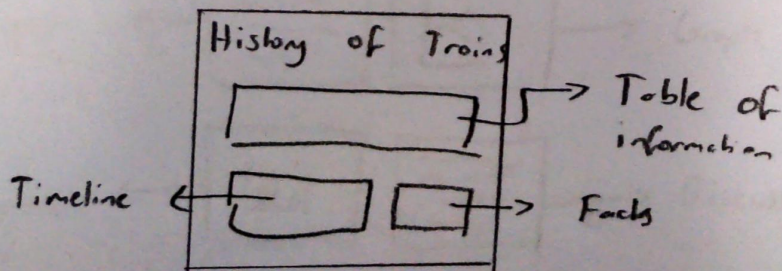
### Timeline



### Extra information

Year: 2002  
Lines: Glen Waverley, Lilydale,  
Speed: 130km/h

## Focus



TITLE: History of Melbourne's Trains

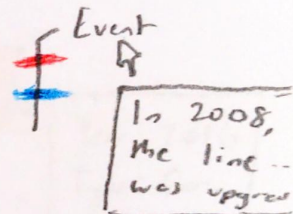
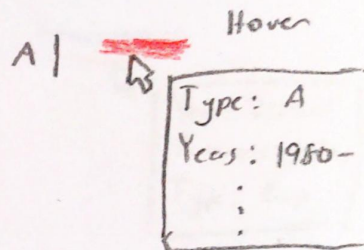
AUTHOR: Joel Kruger

DATE: 11/10/2024

SHEET: 2

TASK: Melbourne public transport viz for FIT3179

## OPERATION



## DISCUSSIONS

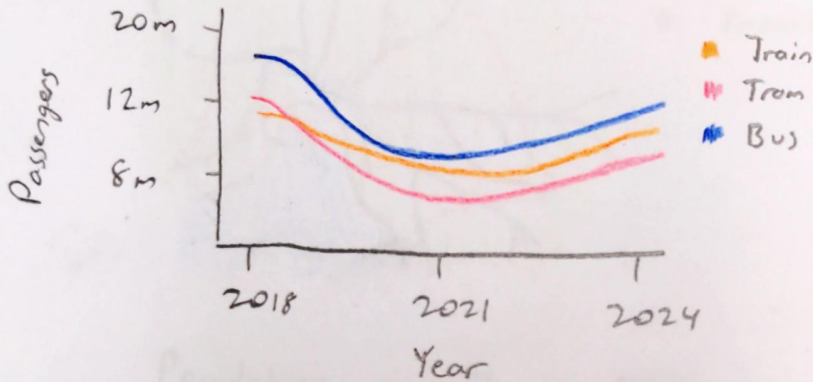
- How to avoid giving boring information?
- How to make the visualisation interactive?
- How to explain cause and effect within the timeline?



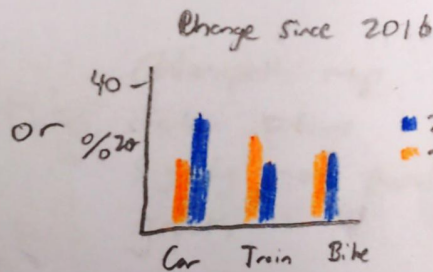
# LAYOUT

Narrative about trends in usage of Public Transport in Melbourne.

Public Transport usage over time



Other forms of transport



TITLE: Trains in 2024

AUTHOR: Joel Kruger

DATE: 11/10/2024

SHEET: 3

TASK: Melbourne Public Transport viz for FIT3179

## OPERATIONS

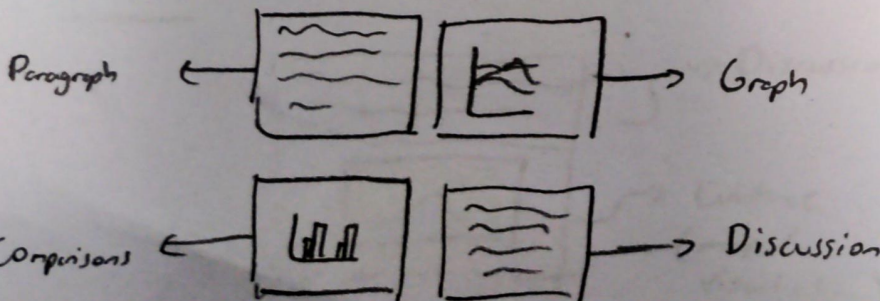


Year: 2020  
Passengers: 10m  
Type: Bus



Year: 2016  
Type: Car  
%: 60

## Focus

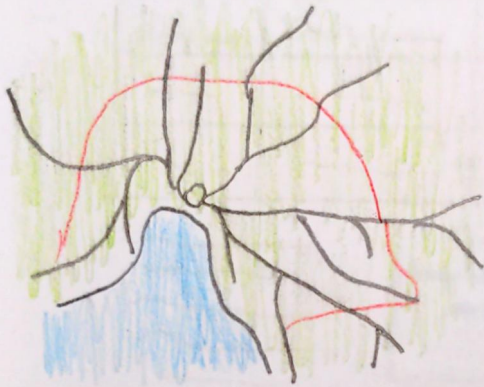


## Discussions:

- How best to show changes over time?
- How to lay out the page
- How to create clear tool tips?

# LAYOUT

Map of train lines  
in Melbourne



✱ Rail line  
✱ Proposed rail

Population growth in Melbourne



Chloropleth map,  
darker colours  
signify more population  
growth

TITLE: Melbourne

Suburban Rail Loop

AUTHOR: Joel Kruger

DATE: 11/10/2024

SHEET: 4

TASK: Melbourne Public  
transport viz for FIT3129

## OPERATION

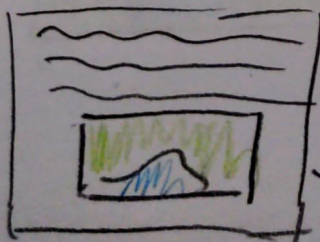


LGA: Melbourne  
Growth: 80%



Proposed Station:  
Monash Uni

## Focus



Discussion

Evidence  
(map/  
visualisation)

## QUESTIONS

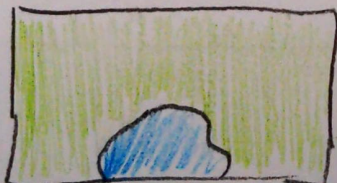
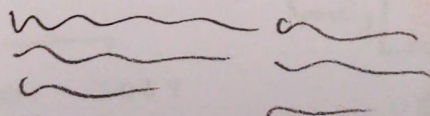
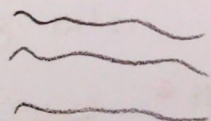
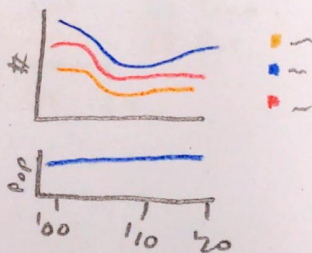
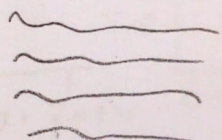
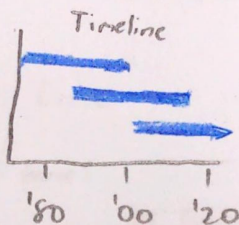
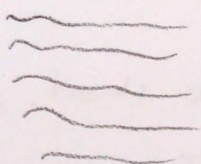
- How to create a clear but detailed map?
- Can you show many layers on one map?



# LAYOUT

## Melbourne Public Transport

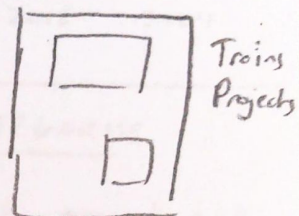
Alston X-hop	2002-present	~
Siemens Nexus	2003-present	~
~	~	~
~	~	~



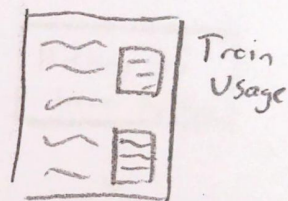
TITLE: Final design  
AUTHOR: Joel Kruger  
DATE: 11/10/2024  
SHEET: 5  
TASK: Melbourne public transport viz

## Focus

Past



Present



Future



## Discussion

- How to connect the different ideas?
- What to discuss?
- What colours to use?