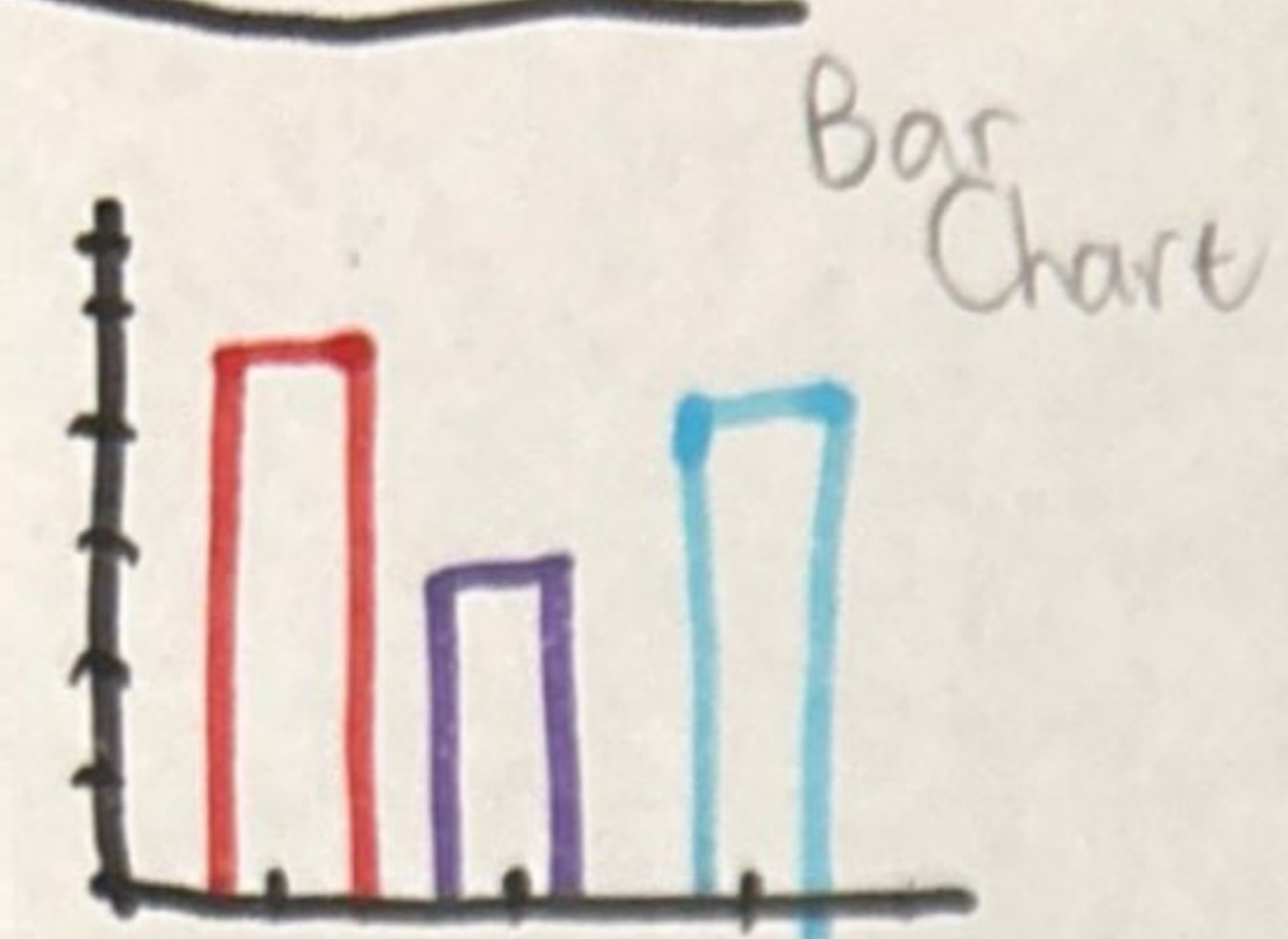
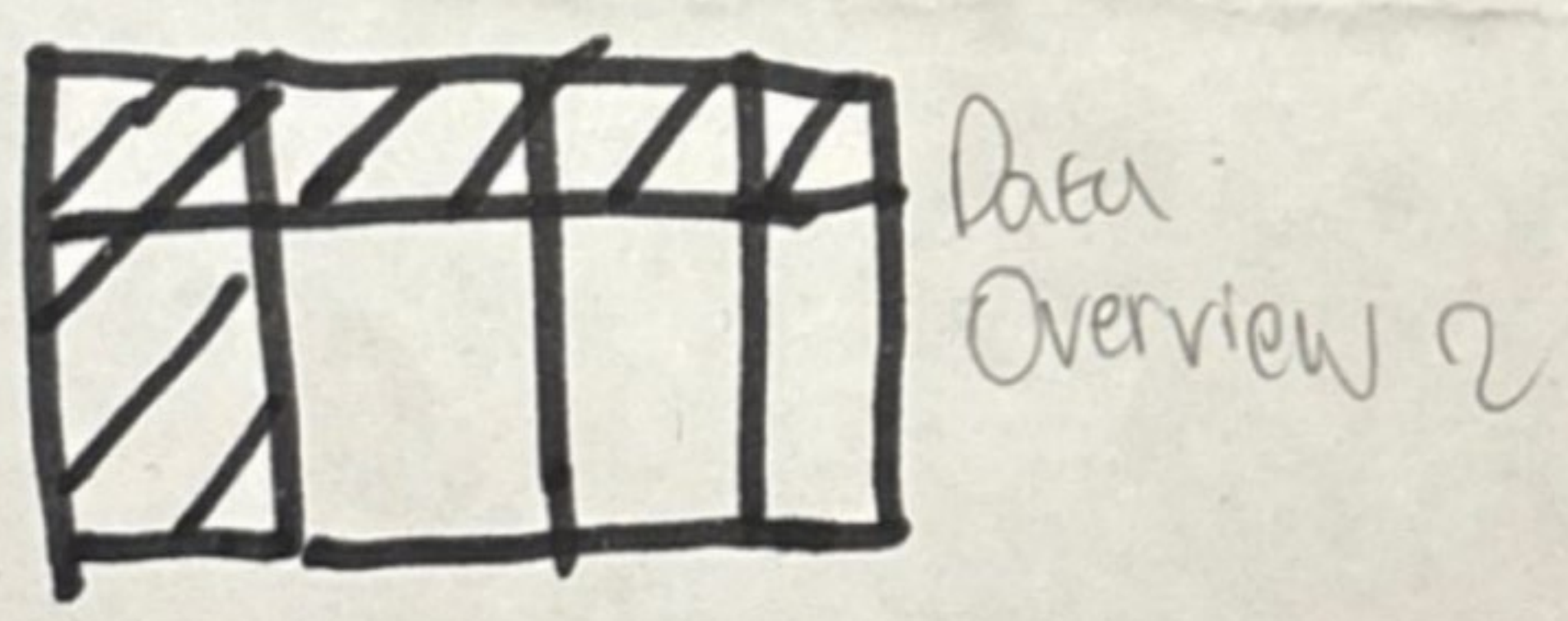
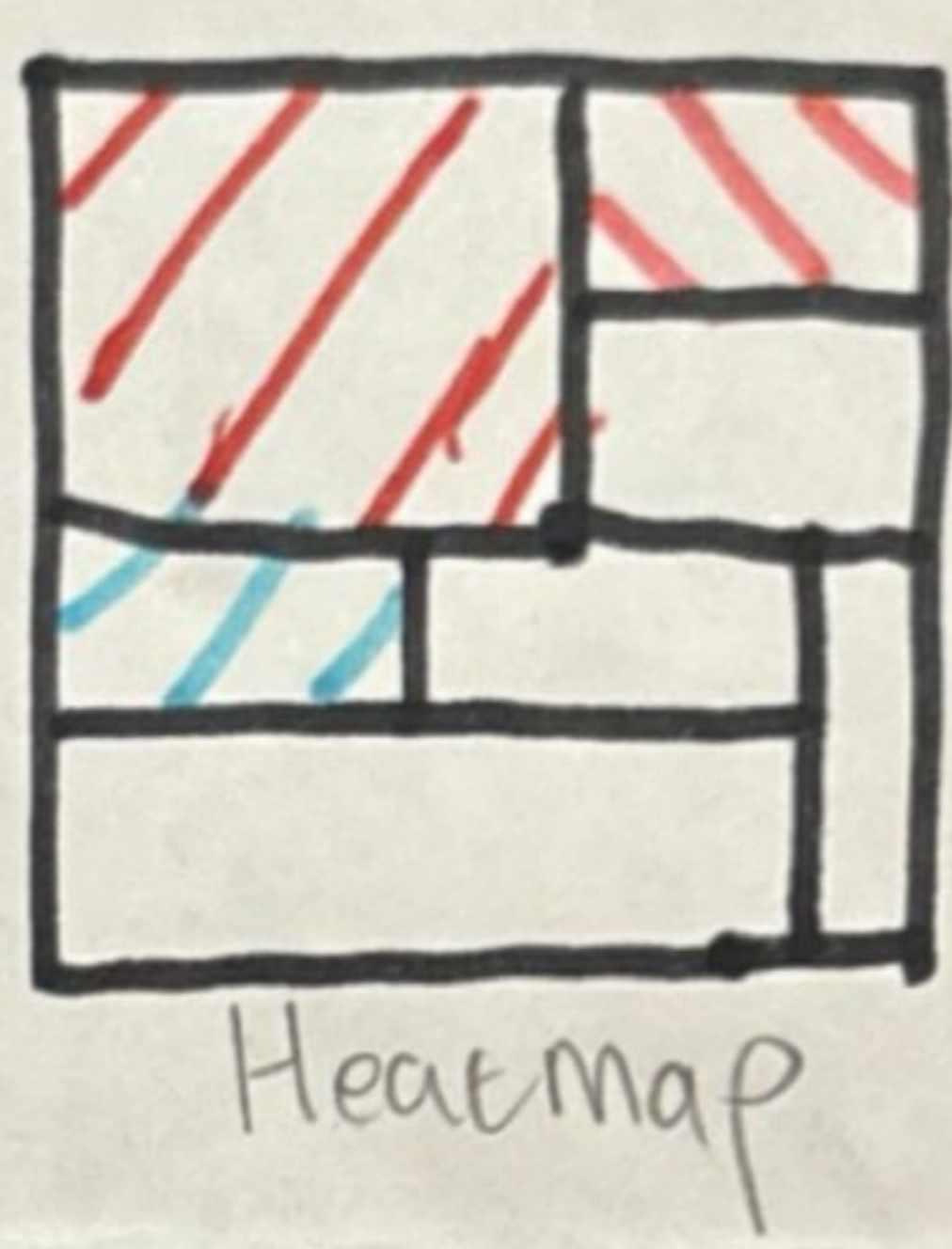
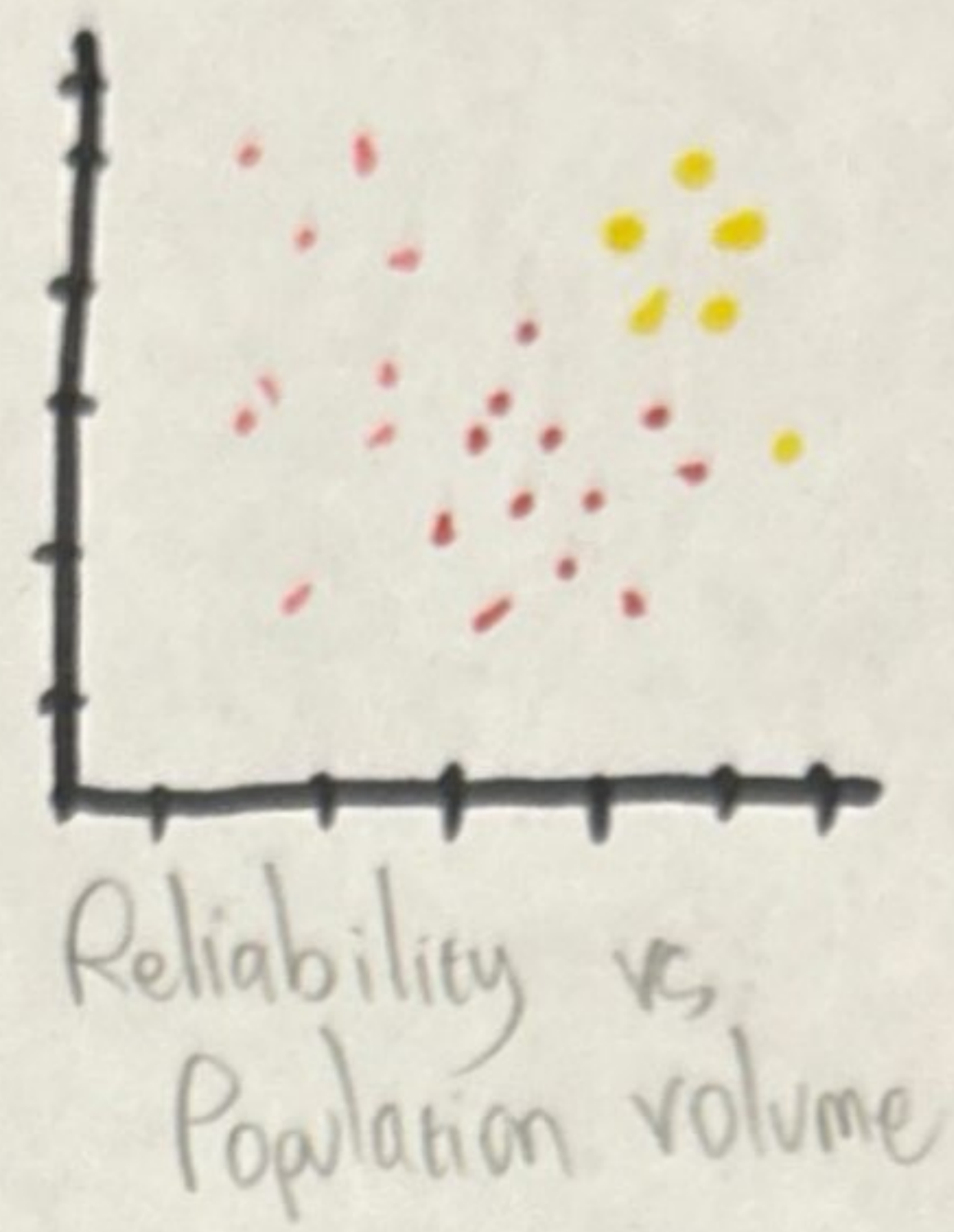
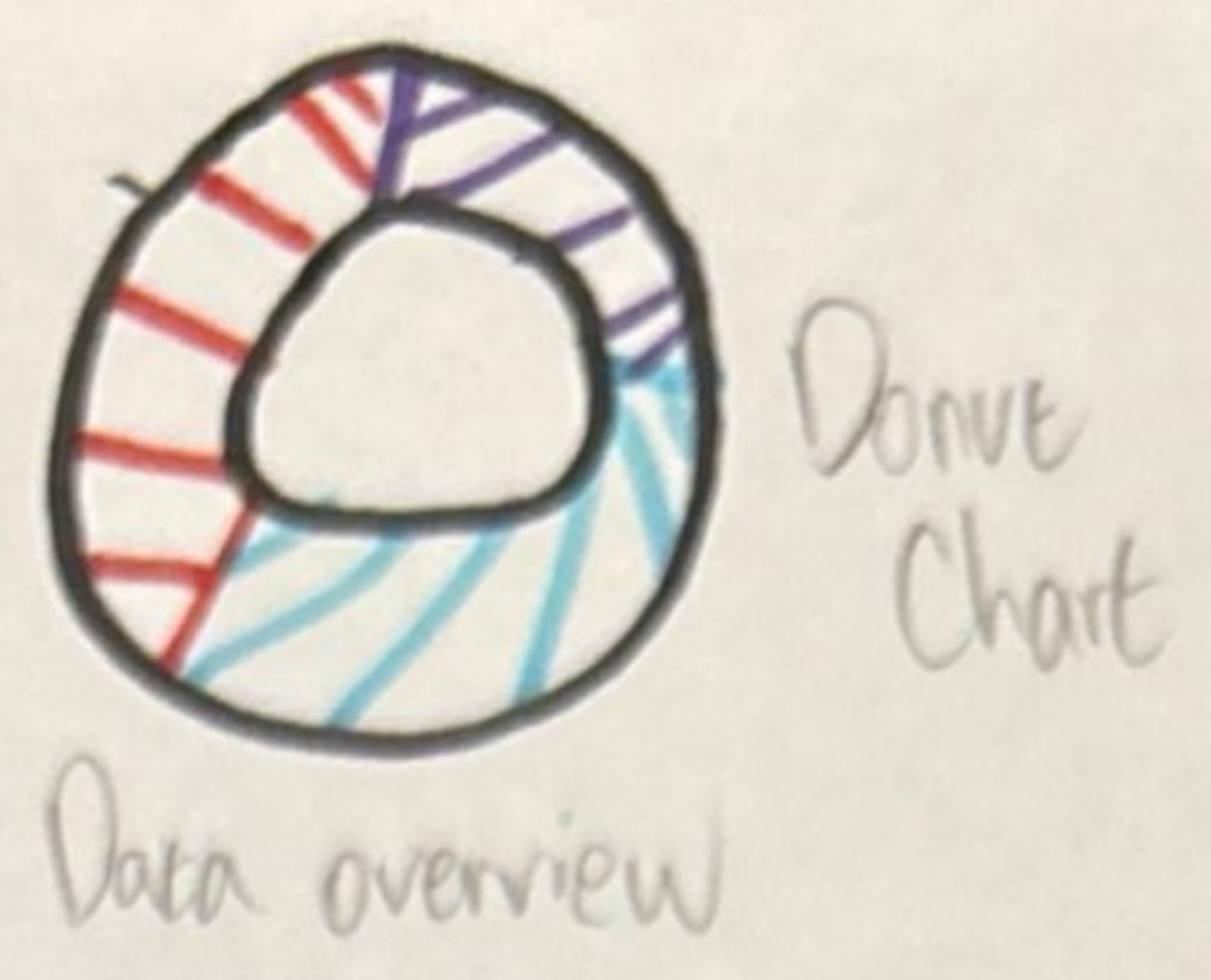
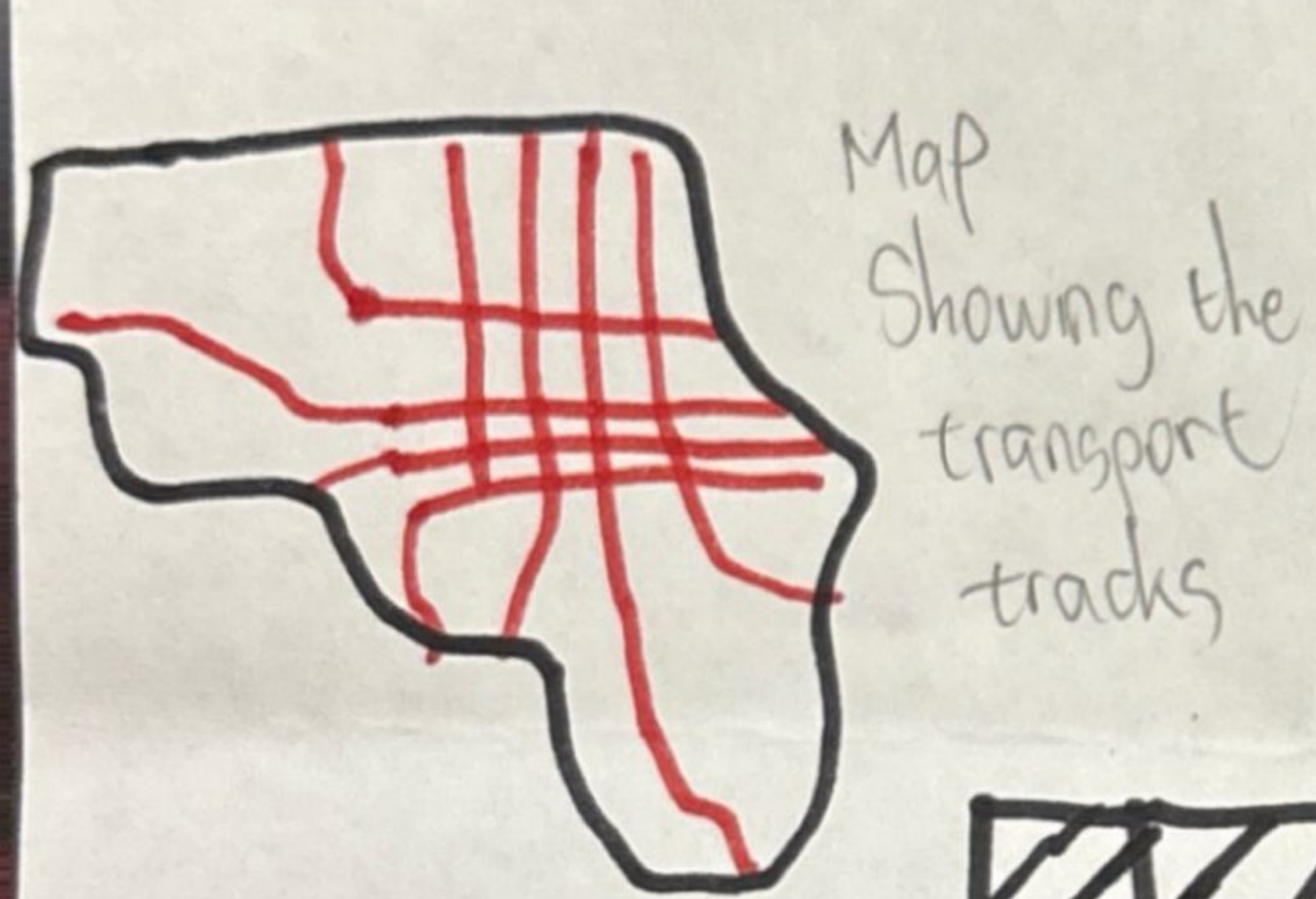
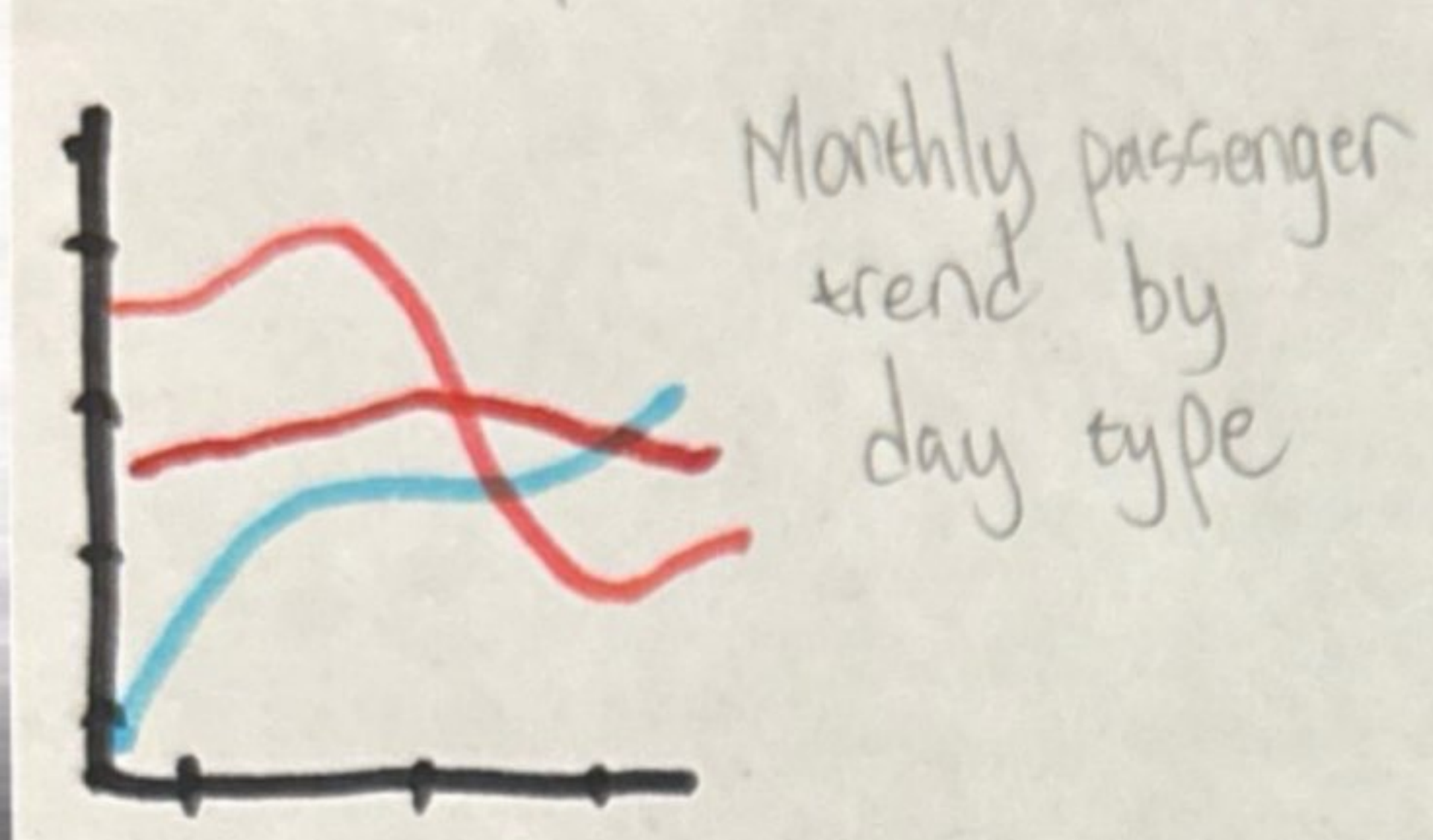


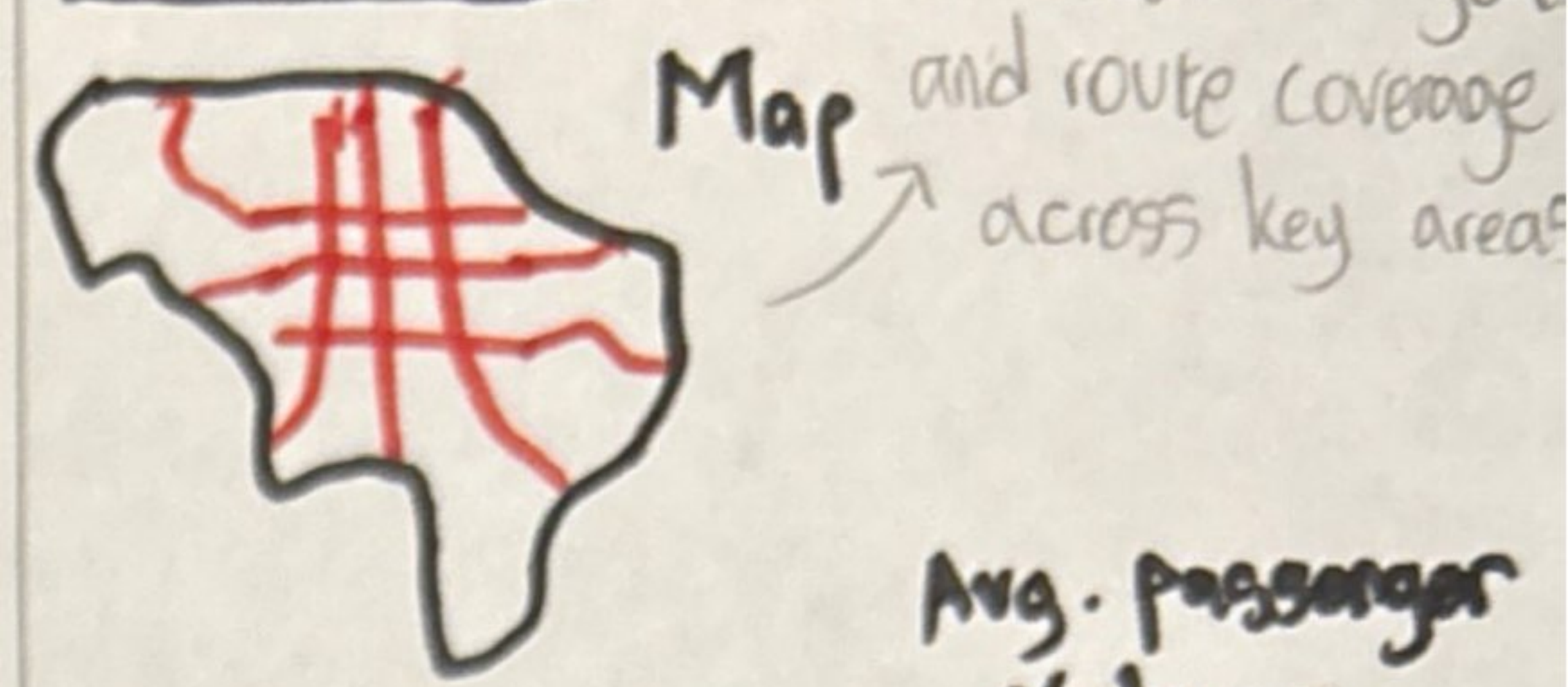
IDEAS



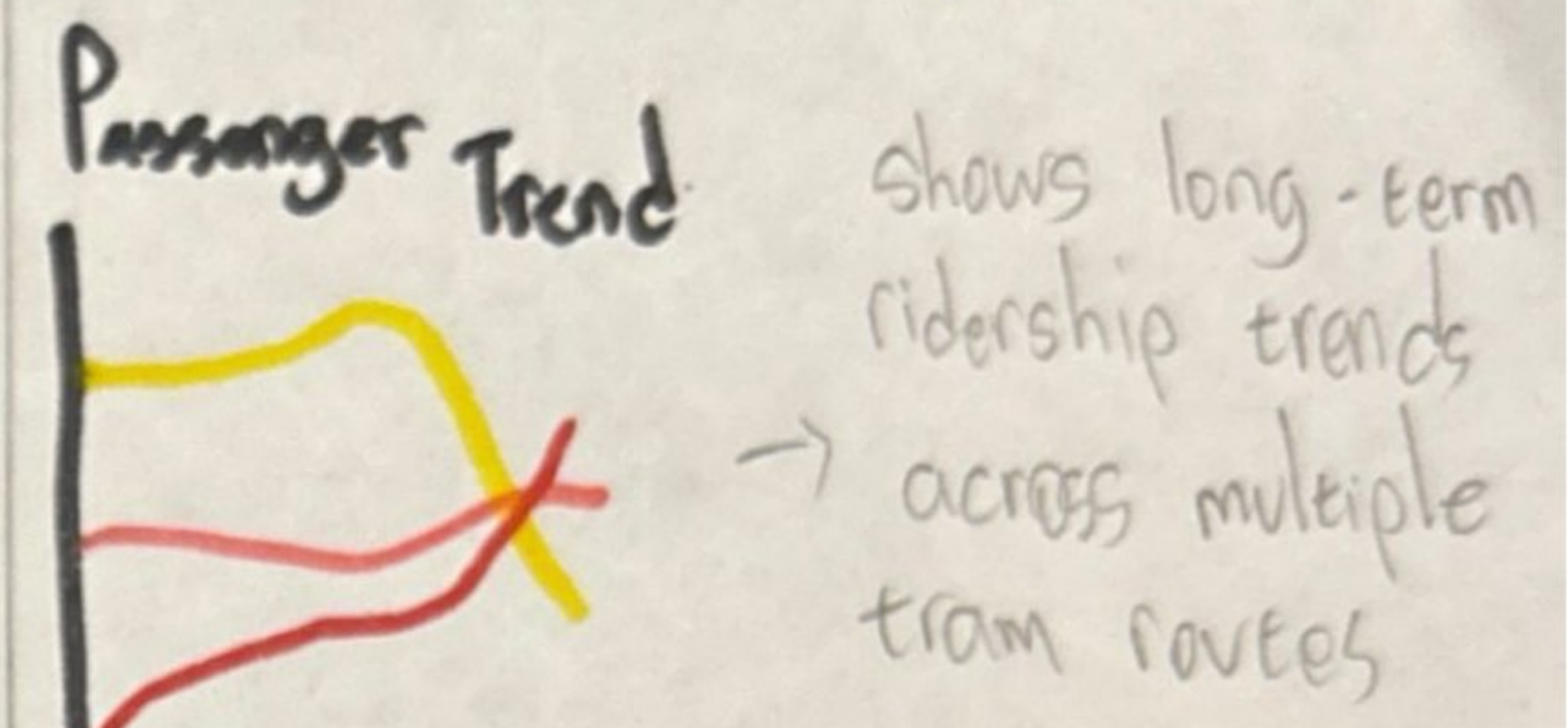
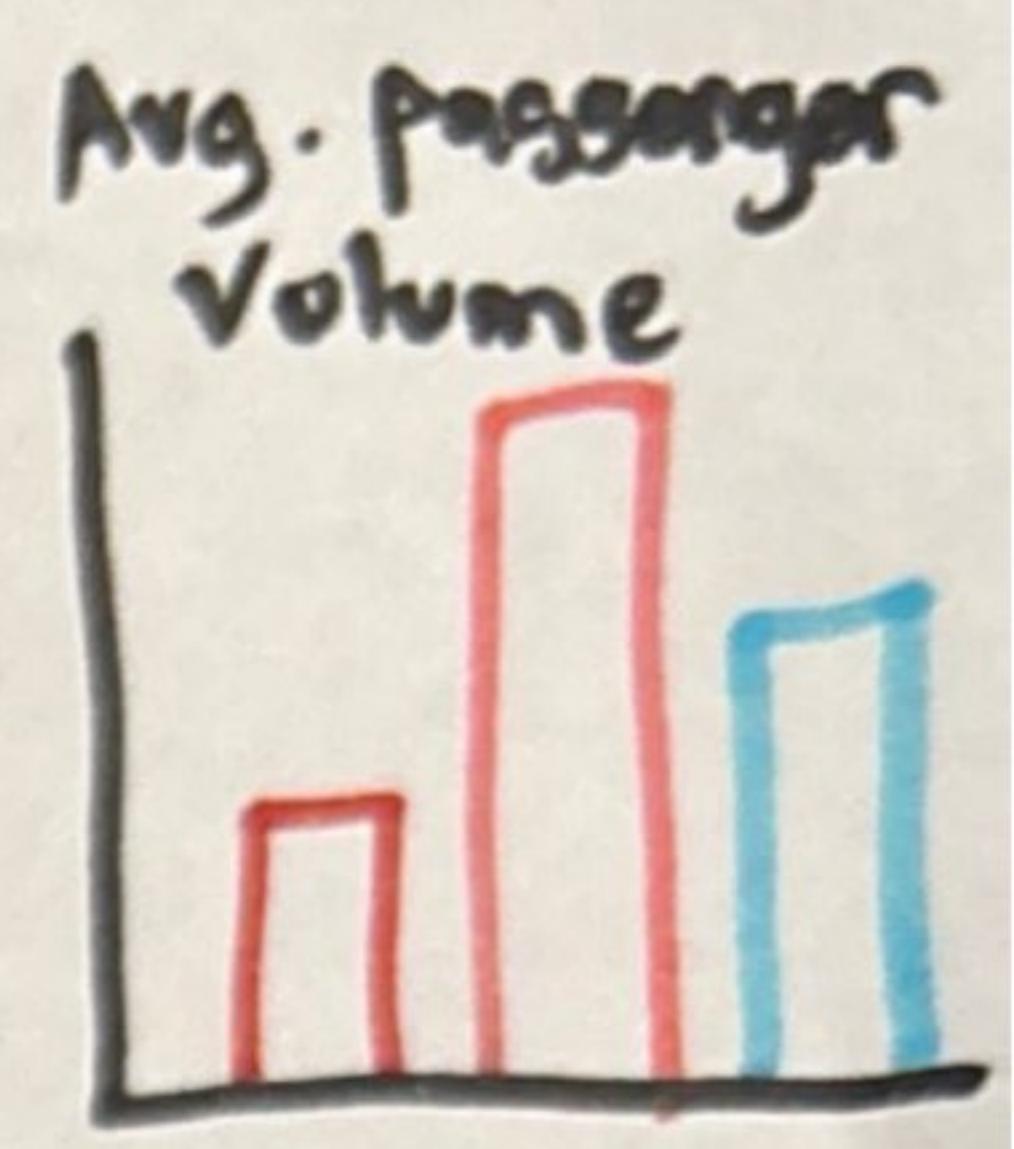
Comparison with other transport modes



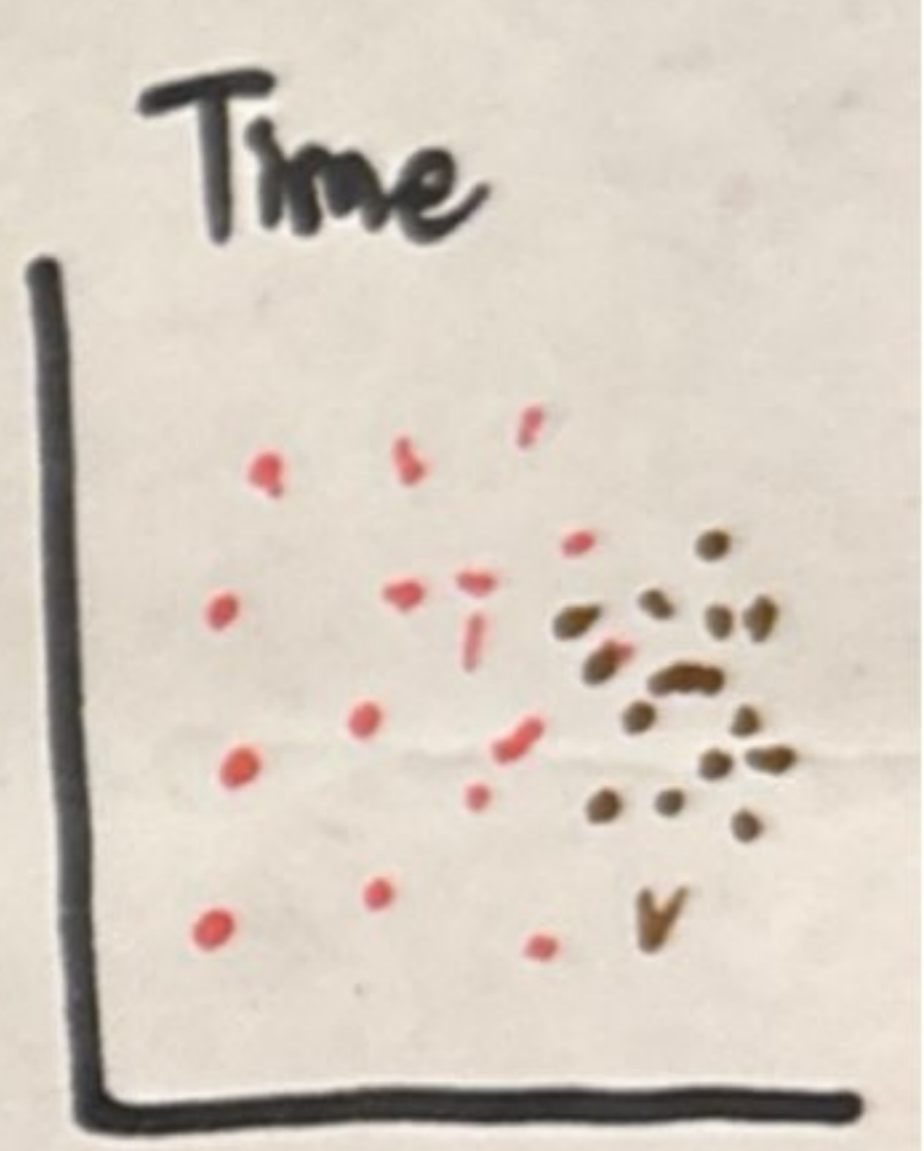
FILTER



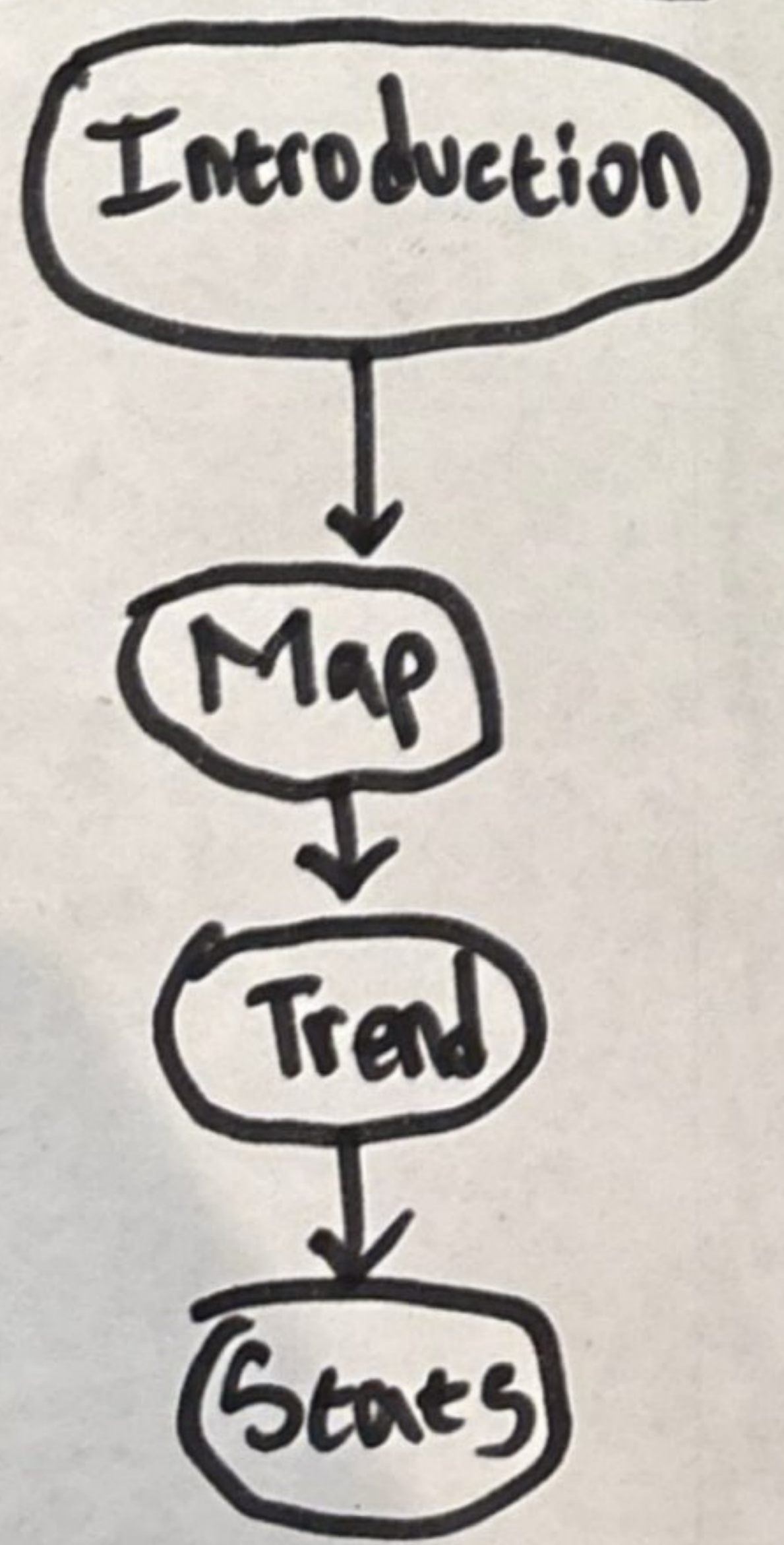
Displays average tram passenger numbers per route, etc.



Highlights how passenger activity changes throughout the day.

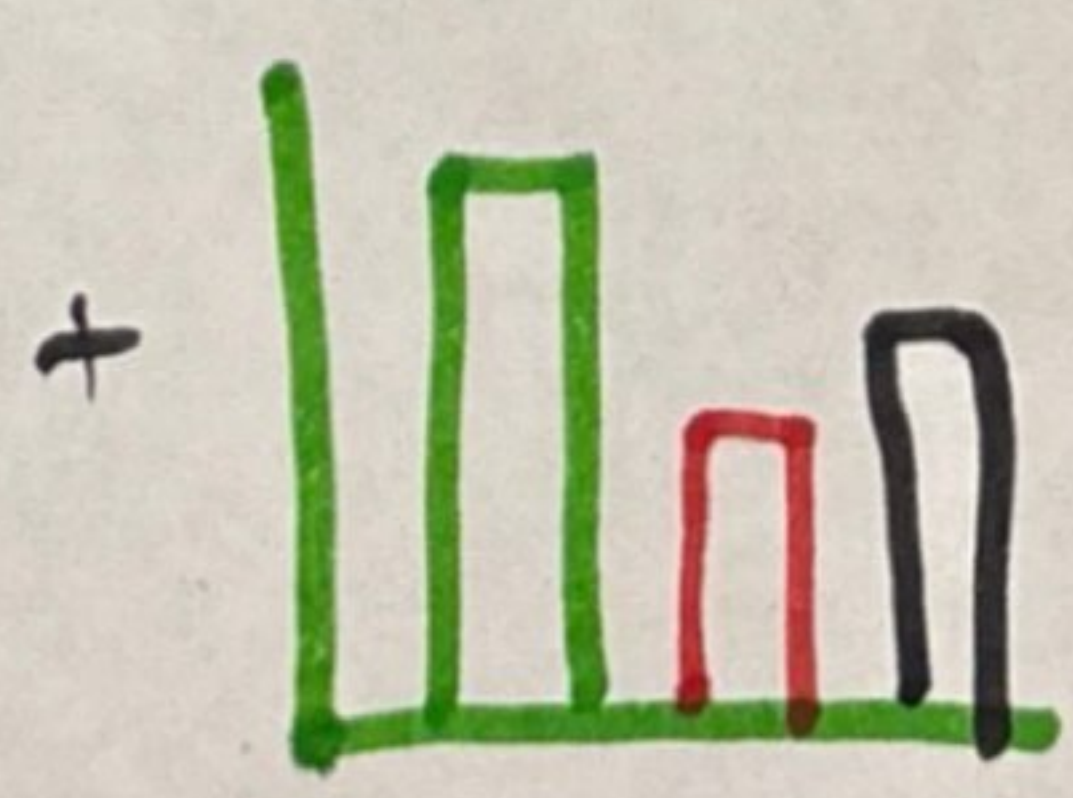
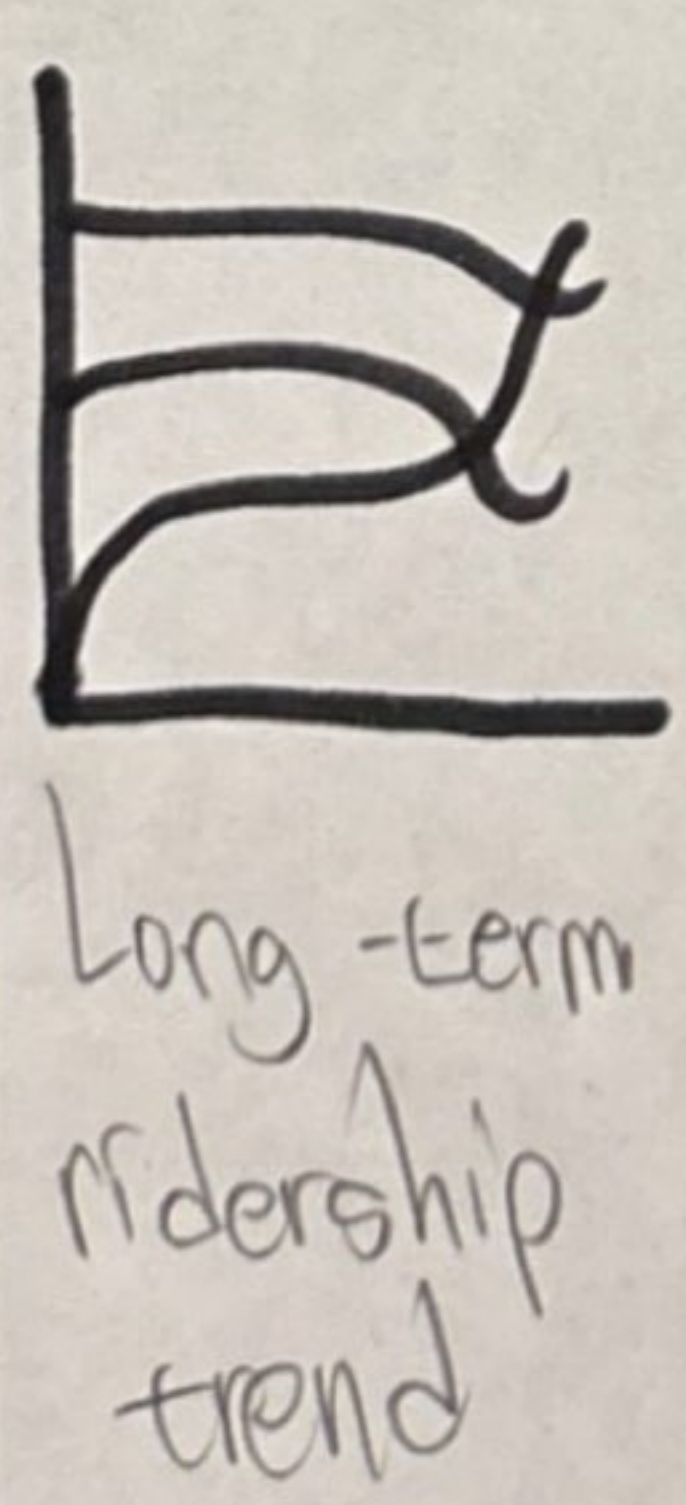


CATEGORISE

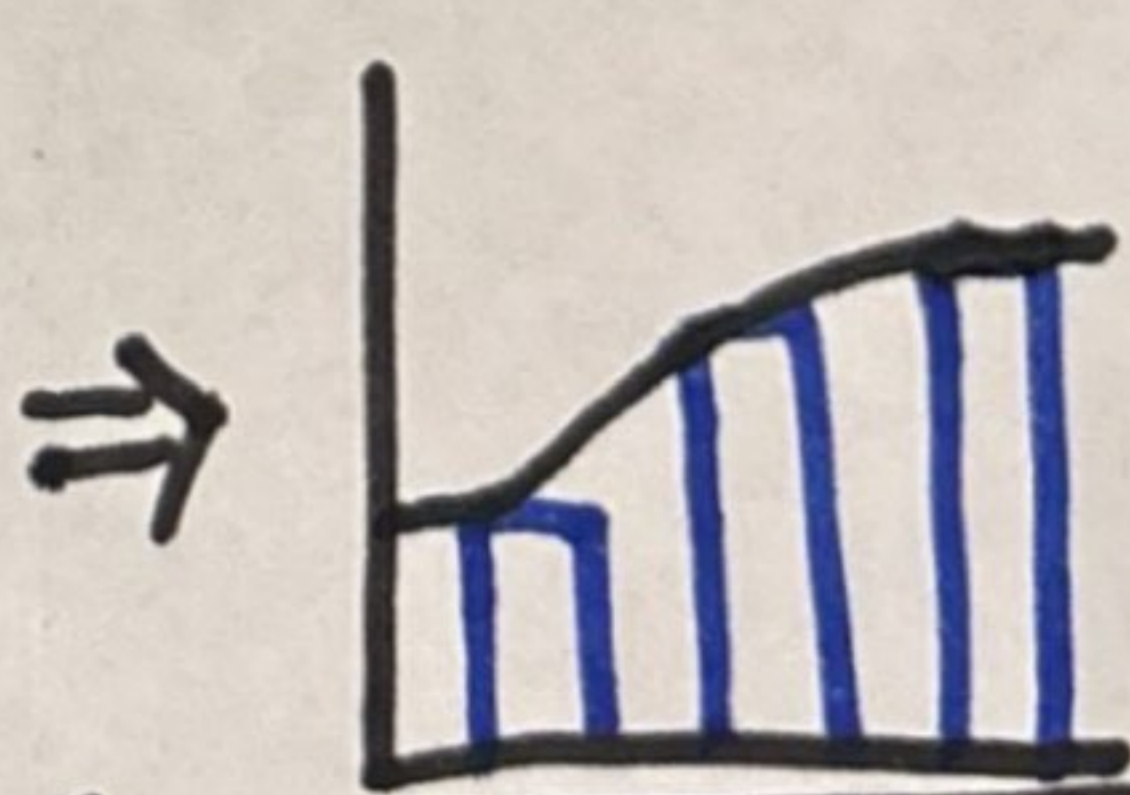


Combine & Refine

Overall ^{User} Usage Trend Passenger



Shows the correlation between the passenger trend and volume per day.

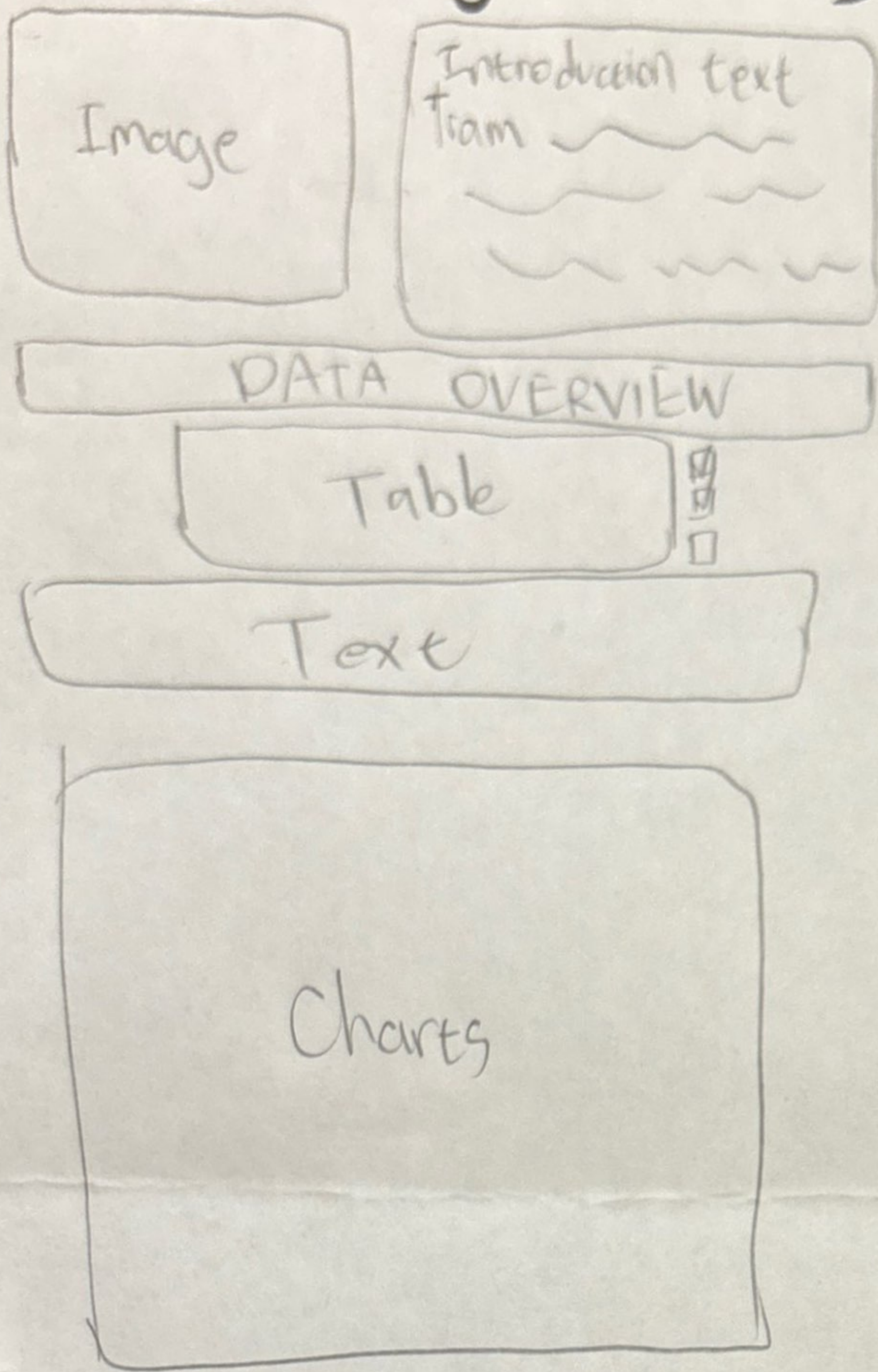


Question

- Does the visualisation will help the readers to be knowledgeable?
- Will the visualisation be effective?

LAYOUT

Riding Through the City



Title: Title and Introduction
Author: Julian Kennedy
Date: 17/10/2025
Sheet: 2
Task: Making the introduction

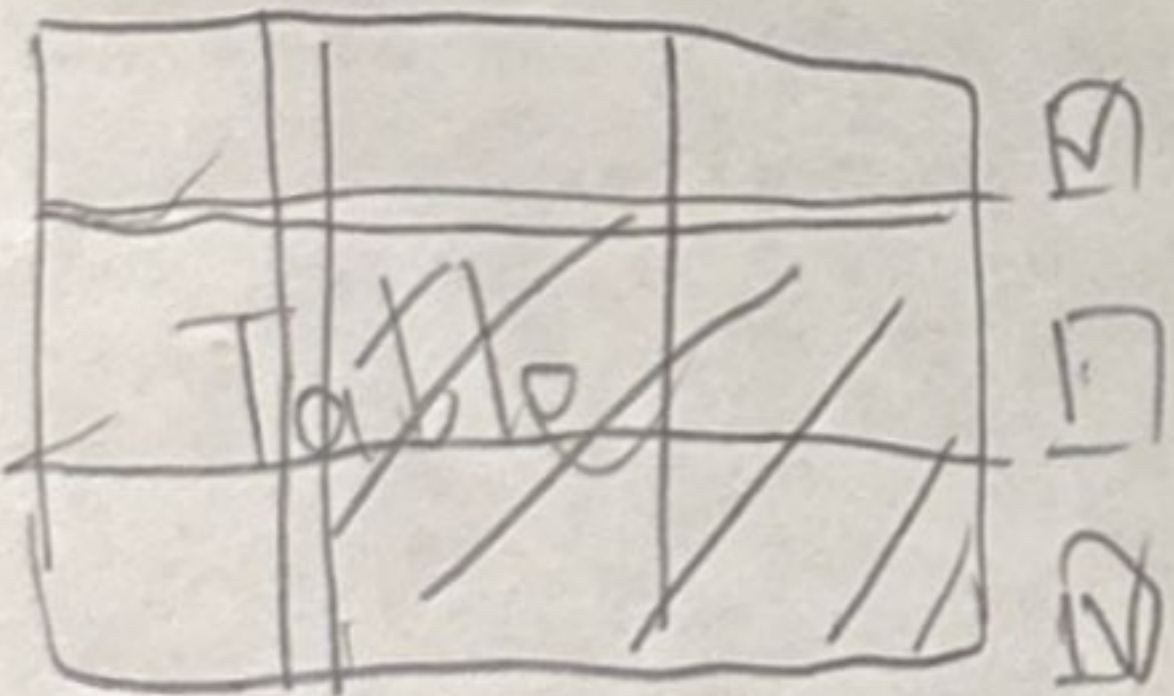
OPERATION

- ☒ Click / Selection features
- ☒ → The users can change the table of the data overview at the beginning to see in more details.
- As there will be several data types, the table can be used to give brief details above the dataset used.

FOCUS



- 1) Serves as the starting introductory text above what the visualisation about



- 1) To be used for giving a data overview or overlook above what types of data is used,

→ such as normal weekday how many passengers, etc.

DISCUSSION

Advantages:

+ Increase readability for new users

+ Make users informed about transparency

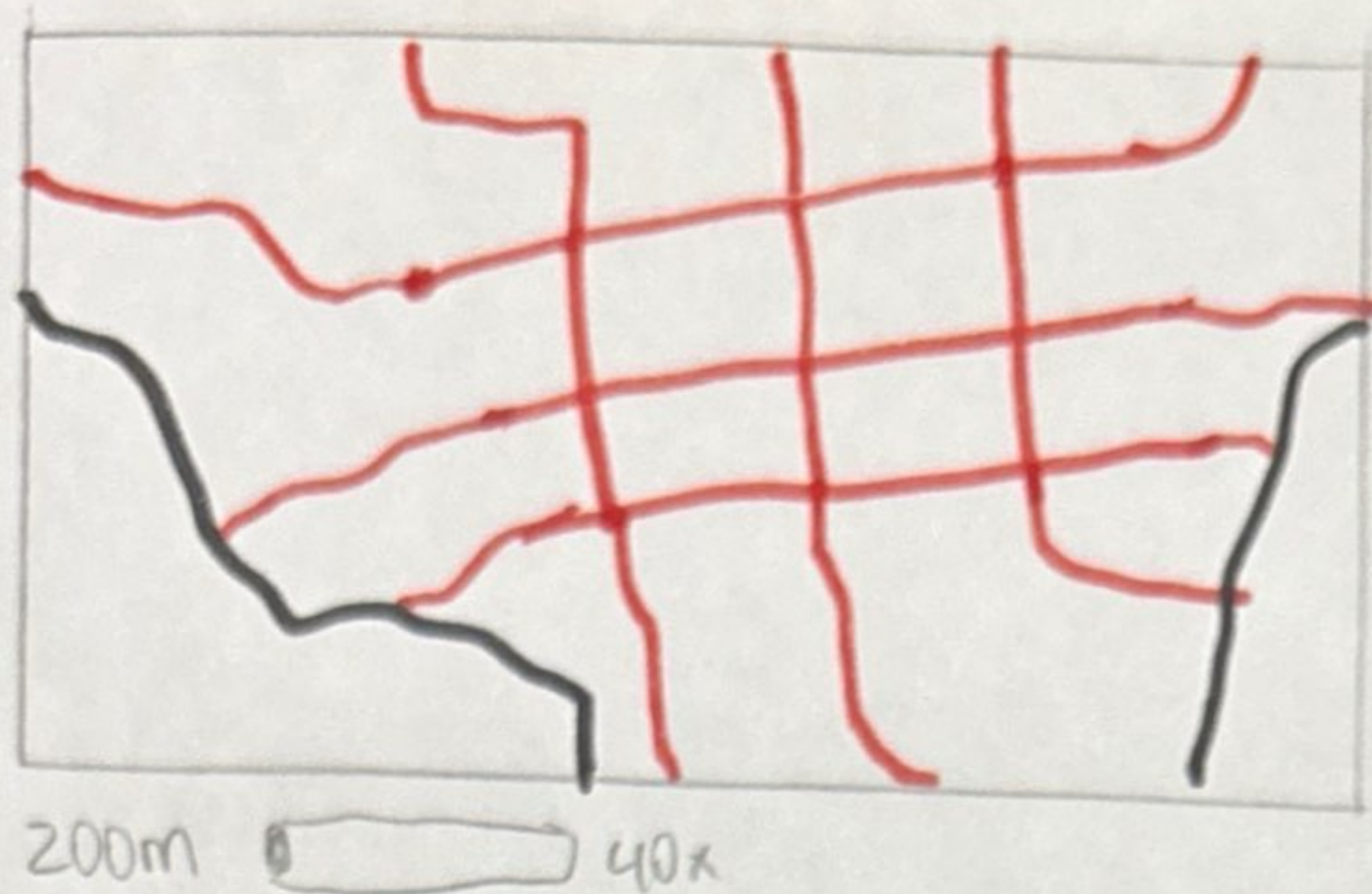
Disadvantages:

- The dataset used may not be shown in full detail

- Can be seen basic / generic way for visualisation introductions.

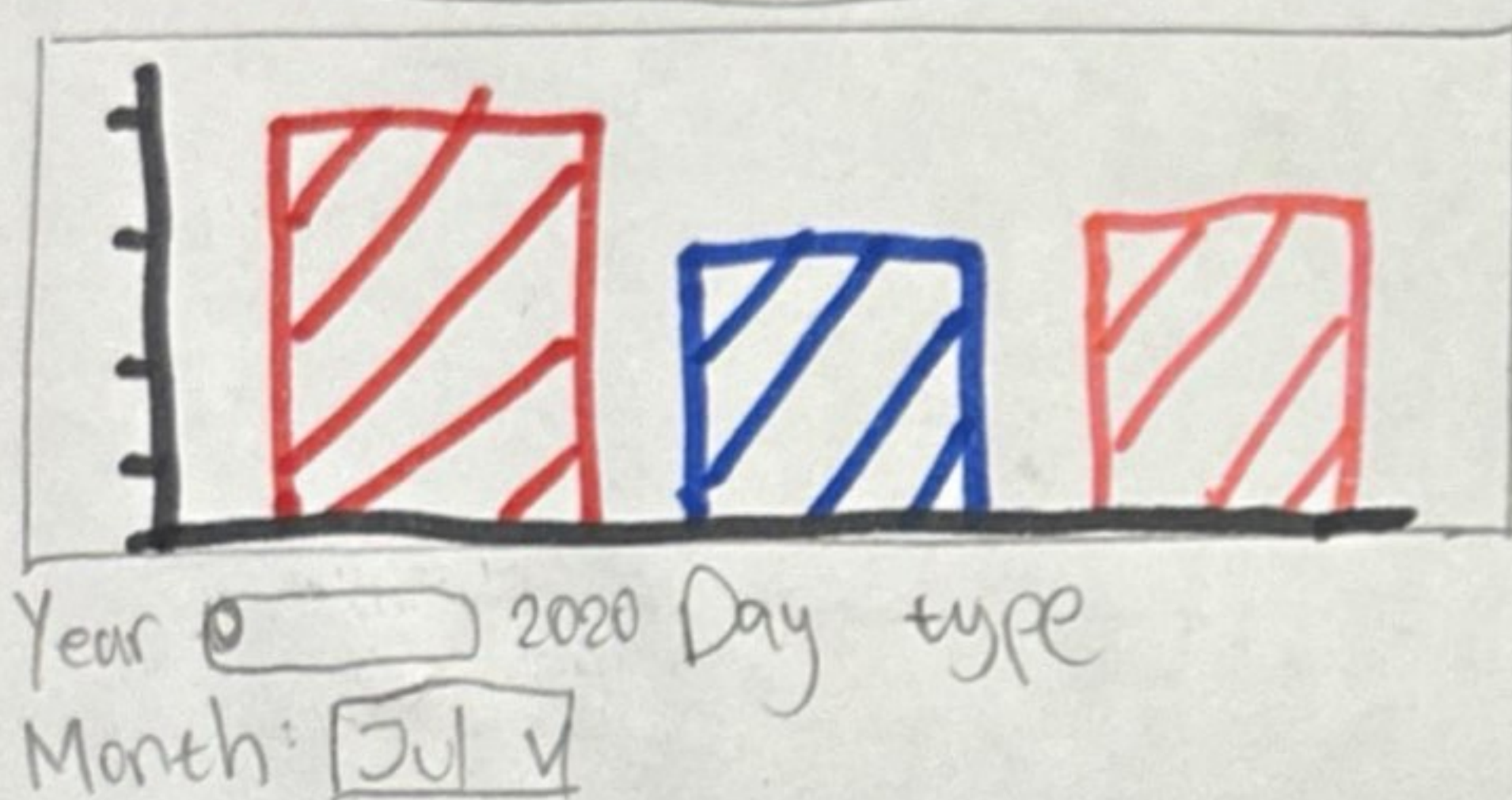
LAYOUT

Melbourne
City map ↘



Text

Bar
Chart ↘



Text

Title: Body part (trends)

Author: Julian Kennedy

Date: 17/10/2025

Sheet: 3

Task: Implementing the body

OPERATION

zoom 40x

→ To be implemented in the map as a tool

→ Users will be able to zoom in/out of the map to see the tram network.

Year 2020

Month: Jul

→ To be implemented in the bar chart

→ Users will be able to change the chart with different time by using the tool to their desired times.

FOCUS

Map

Text

·) Serves as the map idiom to present the tram network in the city district of Melbourne.

·) Serves as the bar chart about average tram passenger volume by day type, along with the supported storytelling text.

Bar
Chart

Text

DISCUSSION

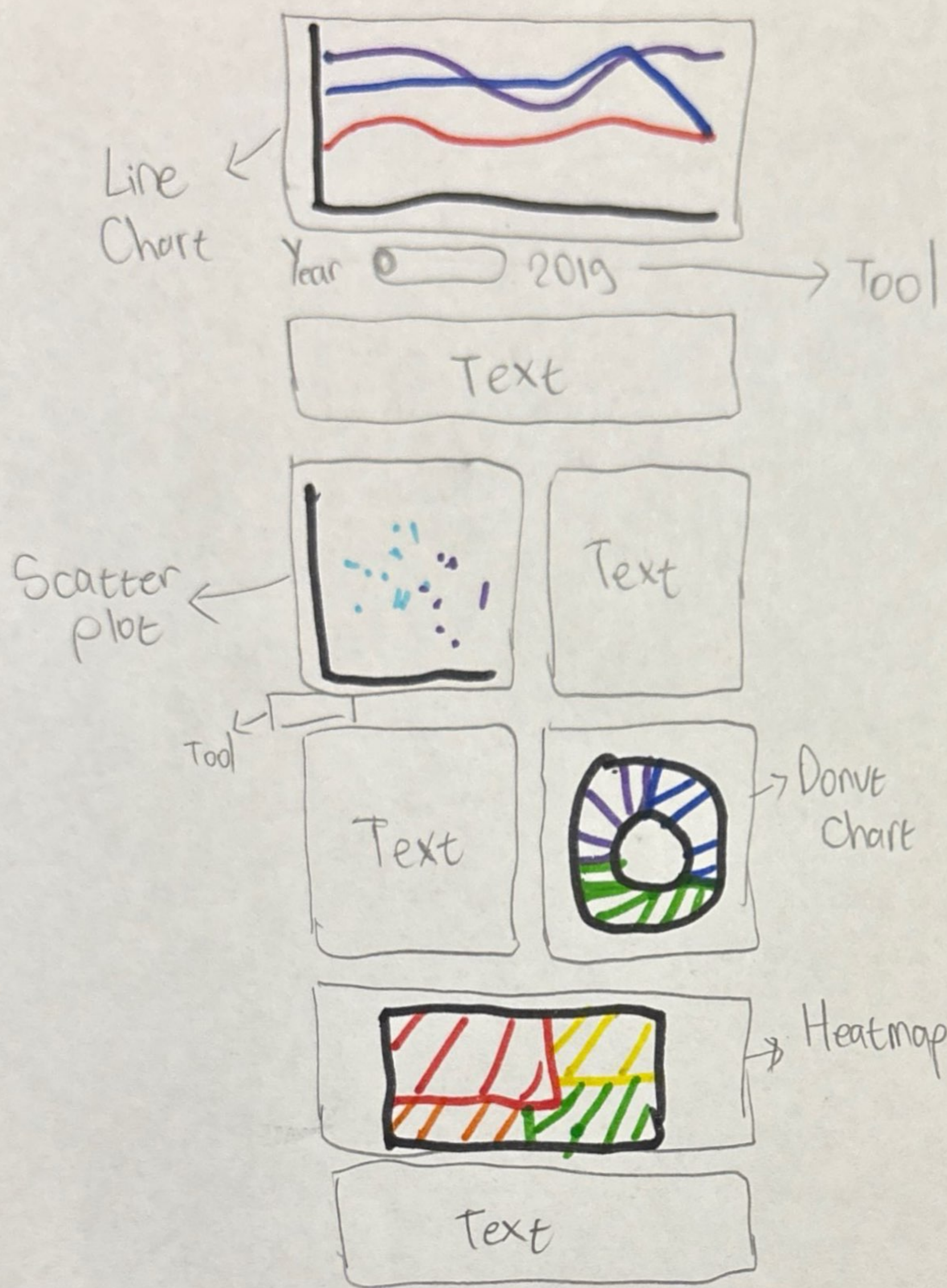
Advantage:

·) Gives an overview of the tram network in the city of Melbourne CBD district.

Disadvantage:

·) Limited view of the tram network due to limited datasets.

LAYOUT



Title: Body Part 2 (Others)

Author: Julian Kennedy

Date: 17/10/2025

Sheet: 4

Task: Implementing the design

OPERATION

Year

→ To be implemented in the line chart

→ Users will be able to change the year using the slider as a feature

→ Future tools to be implemented in several charts

→ Give users the freedom/control to see the charts they desire.

FOCUS

Line Chart

Text

•) Serves as the chart to compare monthly passenger trend by day type

•) Supporting text will be added to explain the results

•) Serves as the place for more comparisons, can be train route type, etc

•) Give a different chart layout to make it interesting

Scatter Plot

Donut Chart

Heatmap

Text

DISCUSSION

Advantages:

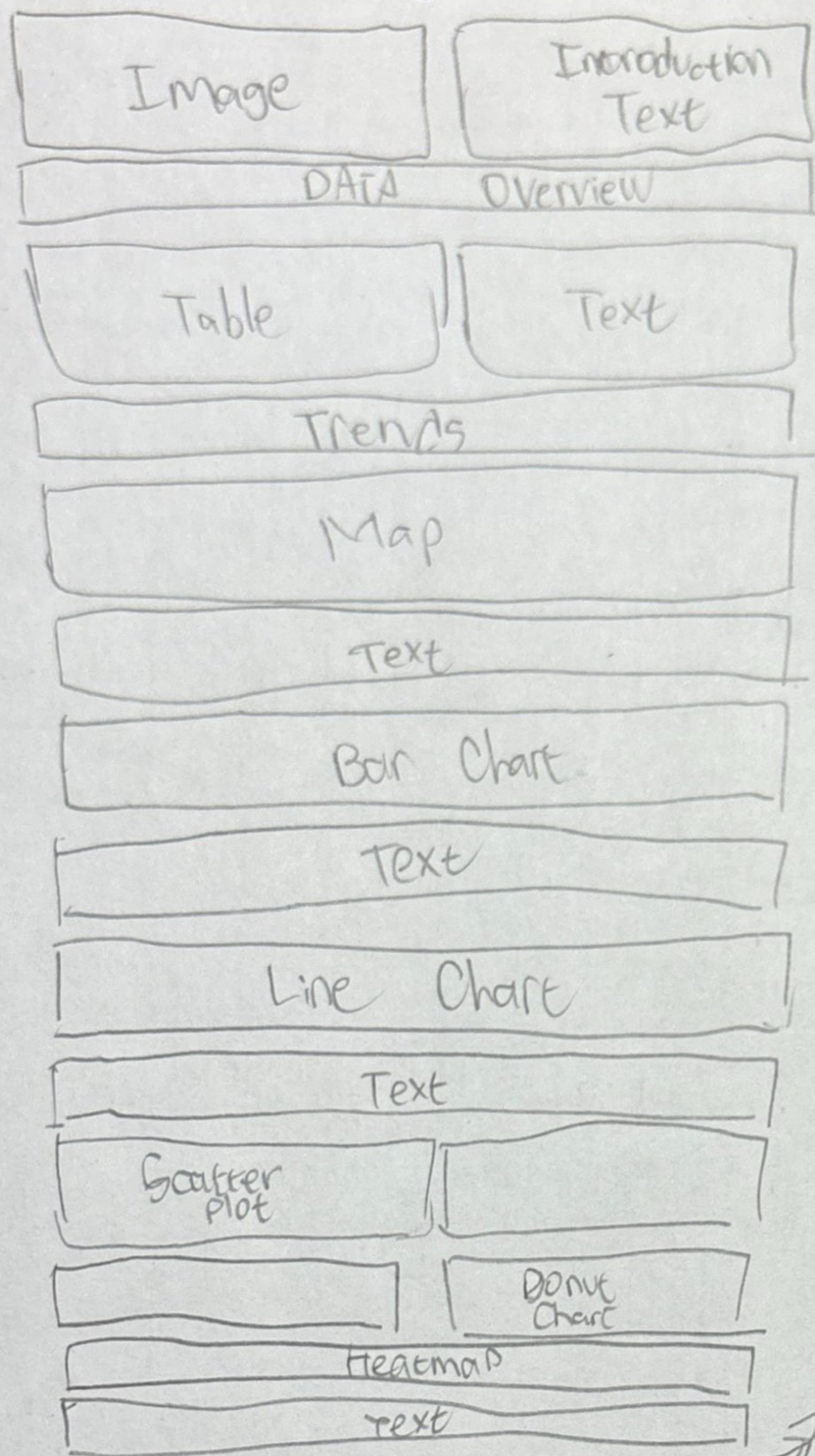
+1) Different unique types of chart to present unique comparisons

Disadvantages:

-1) The layout may feel clustered / too close with each other.


LAYOUT

Riding Through The City



Title : Final Layout Design sheet
Author: Julian Kennedy
Date : 17/10/2025
Sheet : 5
Task : Confirm design layout

OPERATION

 Background

→ To be implemented in the base cover of the visualization
→ Thinking of like the interior of a train

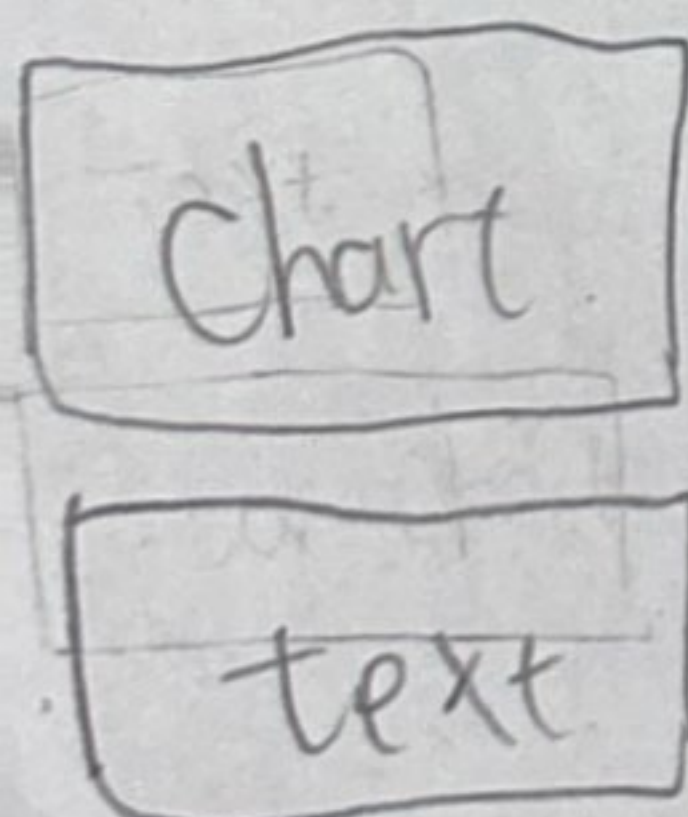
Scrollable

→ Users will be able to scroll from top to bottom to see each idiom in detail

Layout

→ Different charts & text positions in the layout to make it interesting

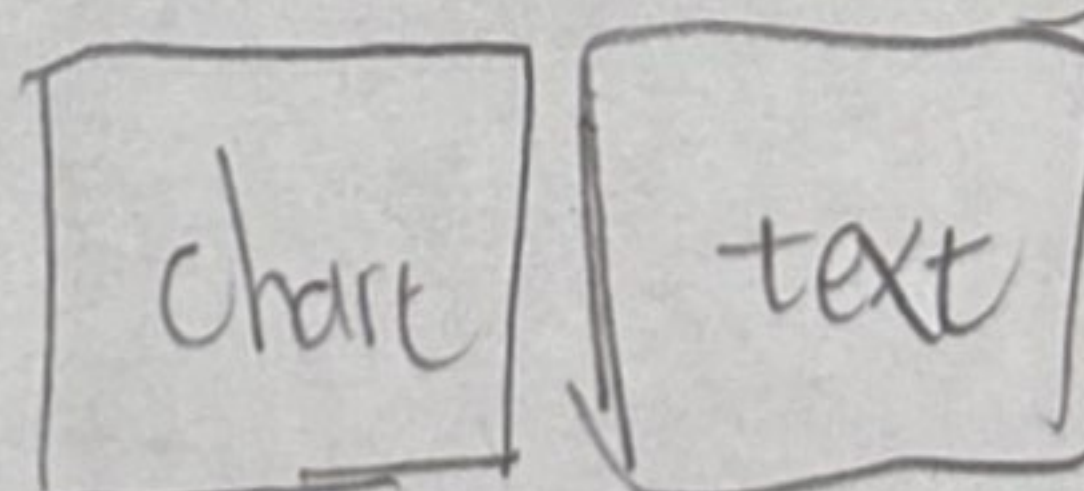
FOCUS



•) Serves as a top and bottom matching chart and text view, so that readers have better understanding

•) Serves a side-by-side layout to enhance interesting factor.

•) Users will have different perspective on reading the chart



DISCUSSION

Advantages :

+) Neat layout of idioms
+) Better readability and ease of use

Disadvantages :

-) Not enough idioms for users to understand more.