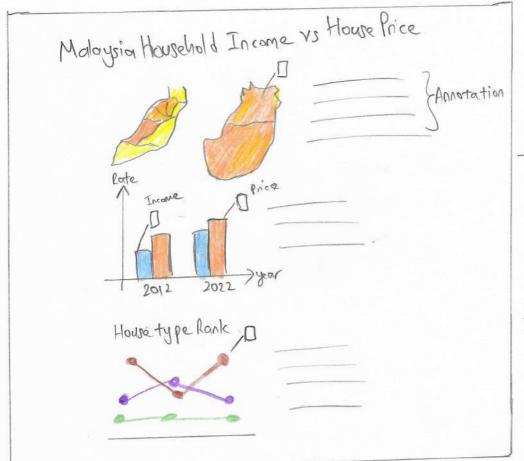


LAYOUT



Title: Vertical laport Author: Gurgobind Singh Date: 10/10/2025 Sheet: 2

Torolc: Design vertical magazine

OPERATIONS.

- Refers to the toolfips (annotated description) when the cursor is above the idian.

- Annotation/description of the idiom.

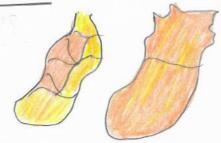
DISCUSSION

1) The idions are arronged nearly.

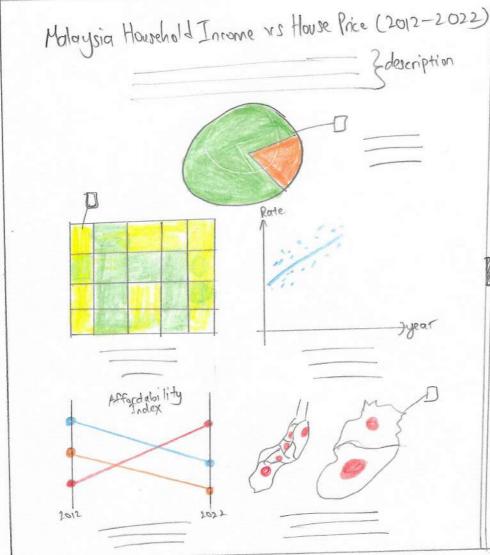
2) Maybe not suitable for a single HTML page cause it might need more space.

3) Provides lesser engagement with user.

FOCUS



Focus on highlighting the overall affordability of houses by states throughout the years (2012-2022). The user attention is drawn to the first idiom as it is at the top and often bigger than other idioms. This idiom tells the story of the evolving of house affordability throughout the years for each state in Malaysia.



FO(US



Focus on highlighting the overall total
Household Income and House Price in
Percentage from 2012-2022. This idiom is bigger to capture viewers attention thus making it the main focus.

Title: Narrative view

Author: Gurgobind Singh Date: 10/10/2025

Sheet: 3

Task: Narrative visualisation

forviewers

OPERATIONS

Refers to the tooltips When the cursor is above the idiom.

scrollable option, easier for viewers to view bigger idioms.

- Provide descriptive Story baged on the idiom.

DISCUSSION

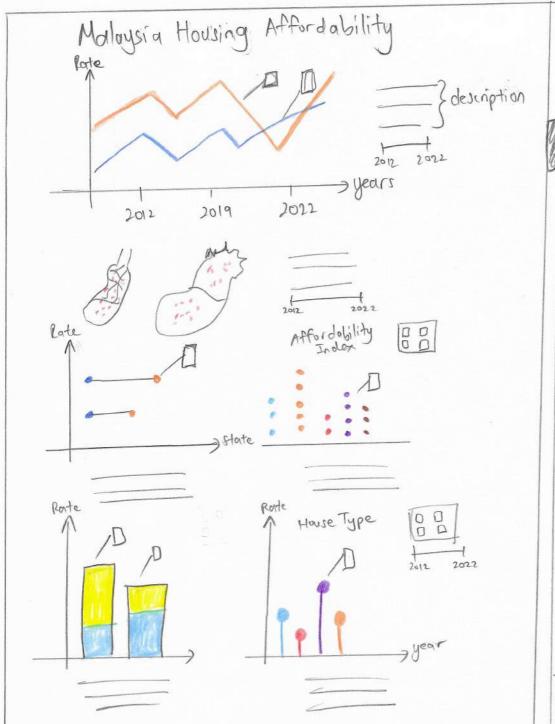
i) The large fort size will attract viewers attention as it has a higher visual hierarchy

2) The scroll option is good if the idioms require more space to be displayed.

3) There are no filter for the viewers which makes it difficult if a viewer wants to observe a particular state income or Nouse price -

4) The white space between the idions in 194t be too little which may cause the idions to look like it's joined and not separate.

5) A proportional symbol wap might not be suitable as some states are small size. Thus, it may overlap or obscure the smaller states.



FOCUS Rote year

Focus on highlighting the overall long term trend of the household income and house price. The user attention is drawn at the lines which tells the story of the housing affordability, whether its increasing or decreasing.

Title: Storytalling Author: Murgobind Singh

Date: 10/10/2025

Sheet: 4

Task: Maloysia Household income and House price visualisation

OPERATIONS

D-Refers to the tool tips when the cursor is above theidion.

DA - Refers to the legend selector

Prefers to the years slider to adjust the years displayed.

- Provide

descriptive stary
loaded on the
idiom.

- scrollable option for viewers to view bigger idioms.

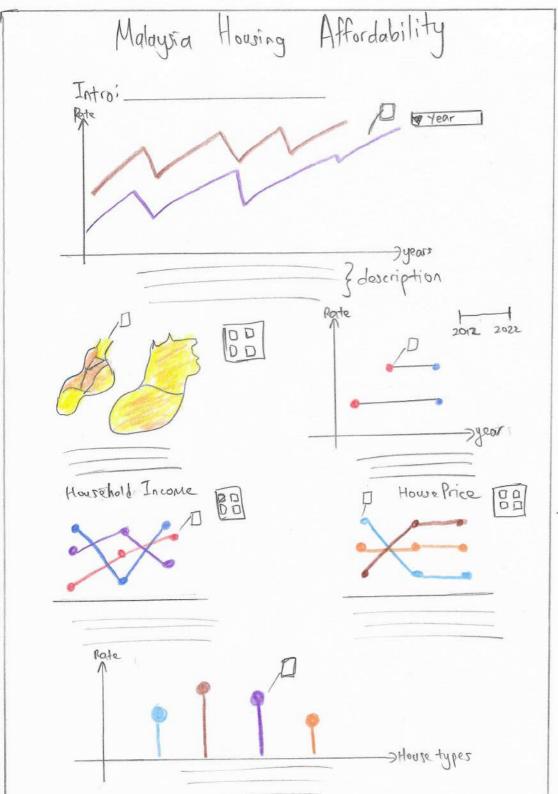
DISCUSSION

i) The main focus idiom might be too larger which may disrupt the sightlines.

2) The dot map might not be suitable as the data set is aggregated at state level not district or individual locations

3) Seroll option is good for viewers to view bigger idioms.

4) The learned selector is good for viewers to filter for a particular state.



Title: Malaysia Housing Affordability

Author: Gurgobind Singh

Date: 10/10/2025

sheet: 5

Task: Design Final layout

OPERATION

D-Refers to the tooltips which works when the cursor is on the idiom.

For year plastin

to Slider selection

00 - Legend Selector

DETAILS

- Dependencies: HTM L, Excel Vega-Lite, Rand Java Script for data cleaning and website development
- Estimated time and effort; At least 4 days to build all idioms and 2 days for final design and layout.
- Should be free cost.
- Requirements:
 Need a decent screen
 (13 inch and above) to
 observe all idiams
 dearly.

FOCUS

The main focus chart is the overall household income and house price over the years (2012-2022). This chart is the first chart to be seen and the biggrest to attract viewers aftention. The other charts are equally important and will have similar sizes.