IDEAS

① Overtourism & Undertourism (geo map marking the countries)

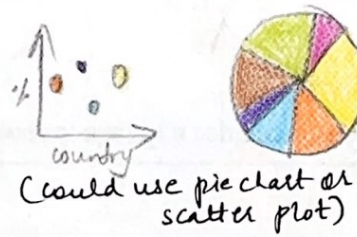

② Ourtourism Percentaage

country | percentage | %. | country
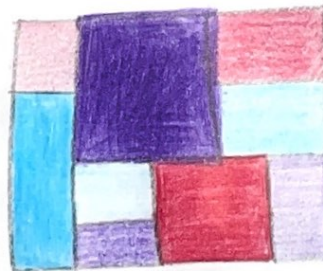
(could use bullet map or a histogram)

③ Undertourism Percentage

% | country

(could use pie chart or scatter plot)
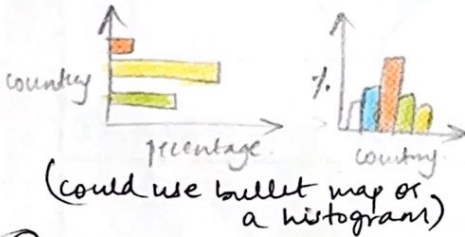
④ Tourism Development Index Values

index | year

④ (can use bubble chart)
⑤ (a heat map can be used to show income bracket per region).

⑤ Income levels.

FILTER

→ filters can be added for :-

(i) both the percentage charts to filter by percentage value

(ii) tree map to show particular income bracket or particular region in it.

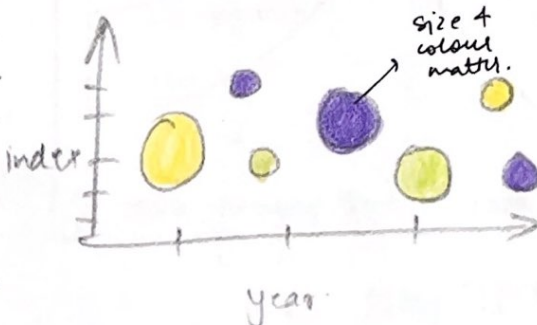(iii) bubble chart with respect to year

CATEGORISE

→ Under and Over Tourism can be seperated for clearer represent ation.

→ Restrict years for Index to see recent trends

→ Avoid pie chart for clarity for this particular data.

COMBINE & REFINE

index | year

size & colour matter.

This bubble chart holds 4 attributes in total :-

(i) year (x-axis)
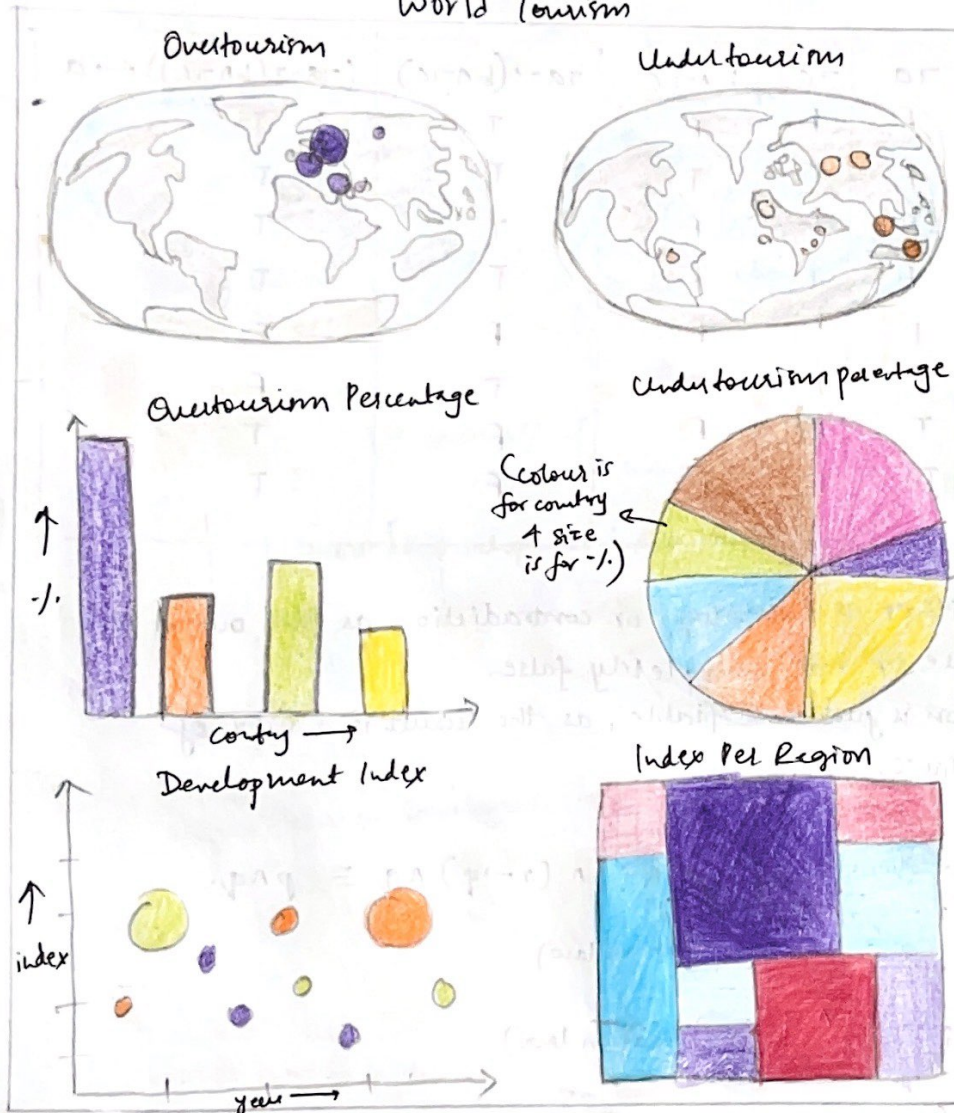(ii) index (y-axis)
(iii) colour (country)
(iv) size (rank)

QUESTIONS

1. What colour pallete can be used?

2. Does this visualisation cover the relevant topic?

3. Are the topics too less or too much?

4. Rethink all the ideas.

LAYOUT

World Tourism

Overtourism

Undertourism

Overtourism Percentage

↑
-/.

Colour is for country & size is for -/.)

contry →

Undertourism pcentge

Development Index

↑
index

year →

Index Per Region

OPERATIONS

→ Filters are added in all the necessary idioms.

→ Calculations are done on excel.

→ data is loaded into github to make pages on it.

→ Cleaned data is uploaded.

→ Text and descriptions are to be added.

FOCUS

→ The split is made for clarity.
→ Top 10 contries for each category.

Overtourism

Undertourism
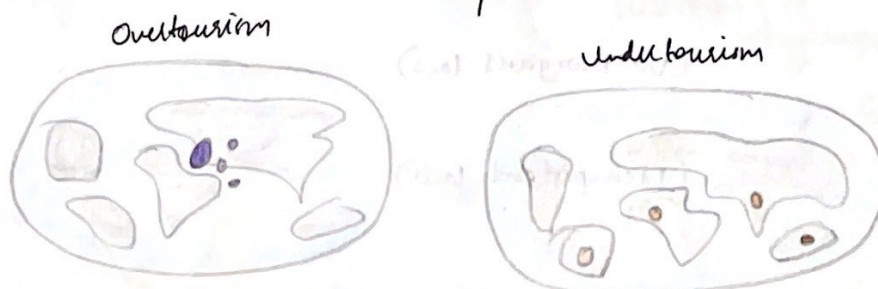
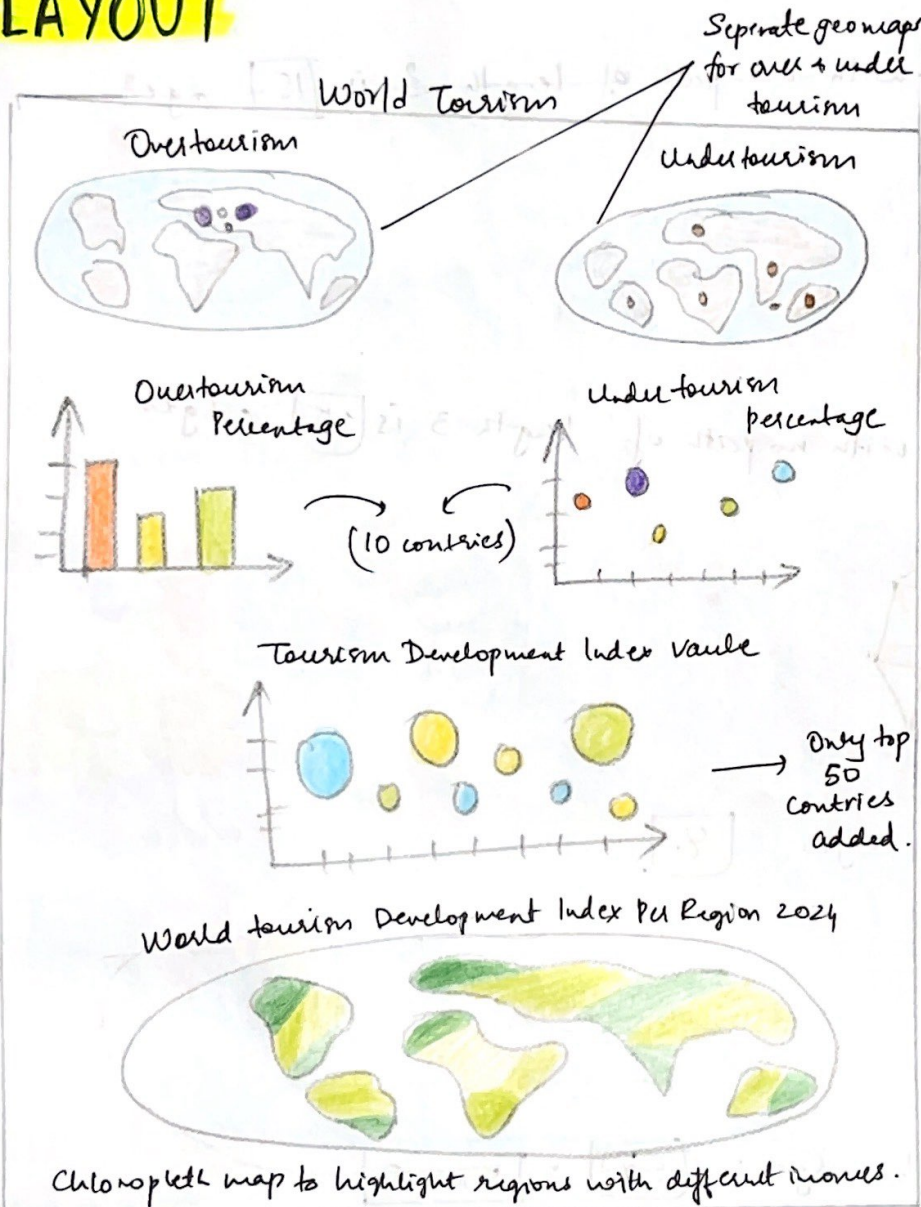the size of the bubbles are dependent on no. of tourists and the colour hue is for no. of locals.
These show trends all over the world for tourism.

DISCUSSION

→ Treemap highlights the region based on the income bracket.

→ are all the idioms efficient enough?

→ is the pie chart clear enough?

LAYOUT

World Tourism

Overtourism — Seprate geomaps for over & under tourism

Undertourism

Overtourism Percentage

Undertourism percentage

(10 contries)

Tourism Development Index Vaule

→ Only top 50 Contries added.

World tourism Development Index Per Region 2024

Chloropleth map to highlight regions with different moves.

OPERATIONS

→ Tooltip to be added to all the maps to highlight all the relevant info.

→ Calculations are done on excel

→ Data is preloaded.

→ Github is used to deploy pages.

→ Filters to be added whenever relevant.

FOCUS

Overtourism Percentage

→ Bar chart

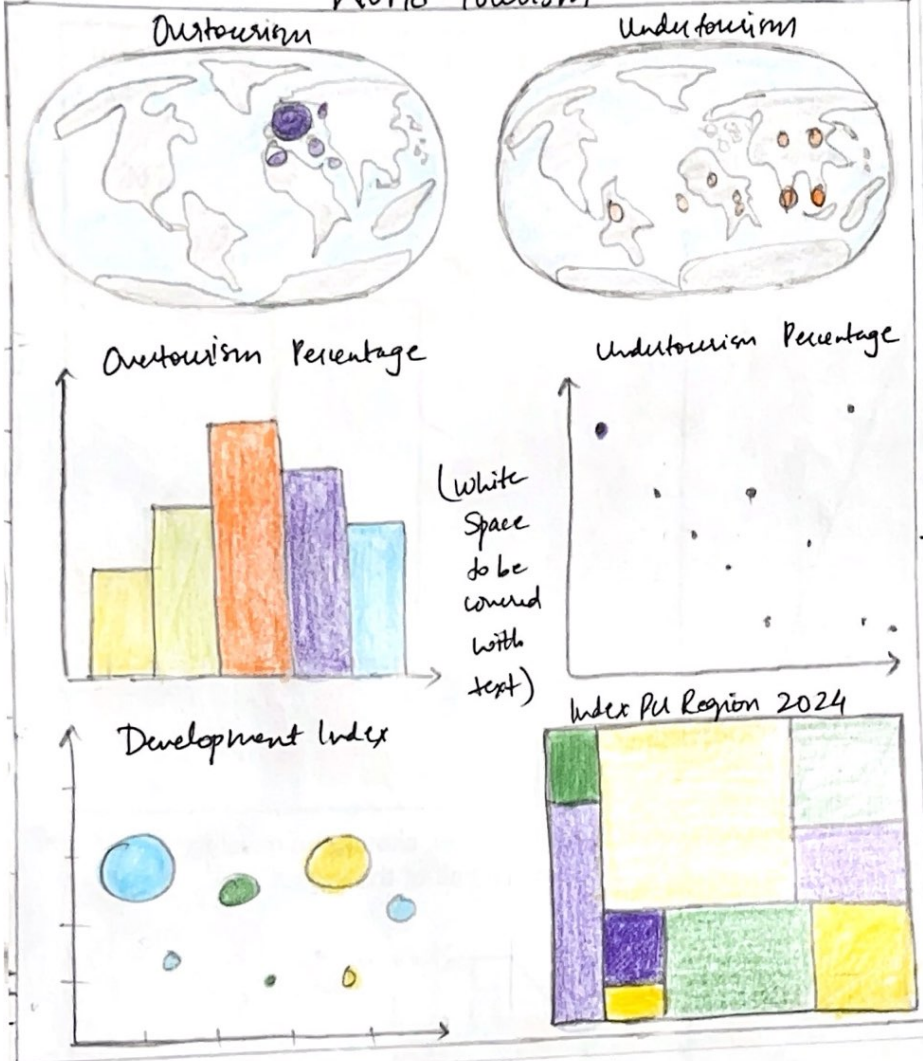Undertourism percentage

→ Scatter plot
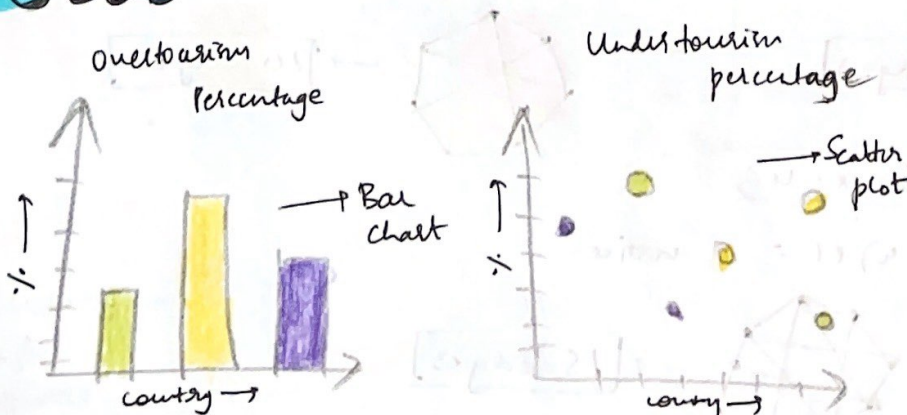
country →

country →

These maps hold the data for the top 10 countries and marks the percentage per country between locals & tourists.

DISCUSSION

→ Geo map divided into 2 for clarity.

→ Bar chart chosen for percentage
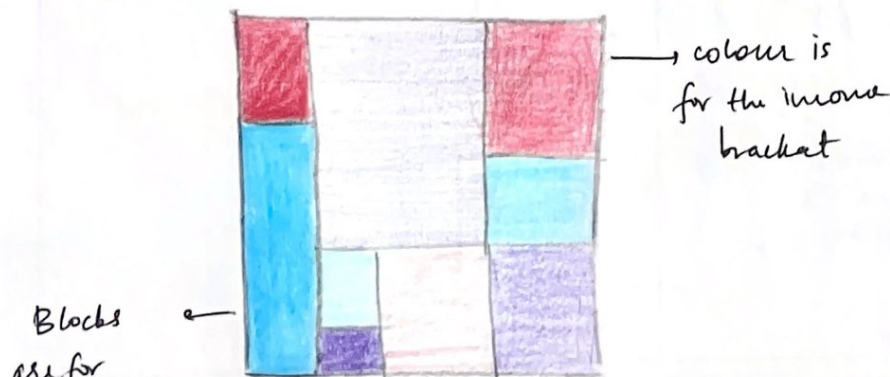
→ Geo map idiom chosen for WTDI to highlight regions.

LAYOUT

World Tourism

Overtourism

Undertourism

Overtourism Percentage

(White space to be covered with text)

Undertourism Percentage

Development Index

Index Per Region 2024

OPERATIONS

→ Tooltip to be added to every idiom

→ hover to see tooltip details for all

→ Relevant Filters to be added to all idioms.

→ Data to be loaded into a github repo.

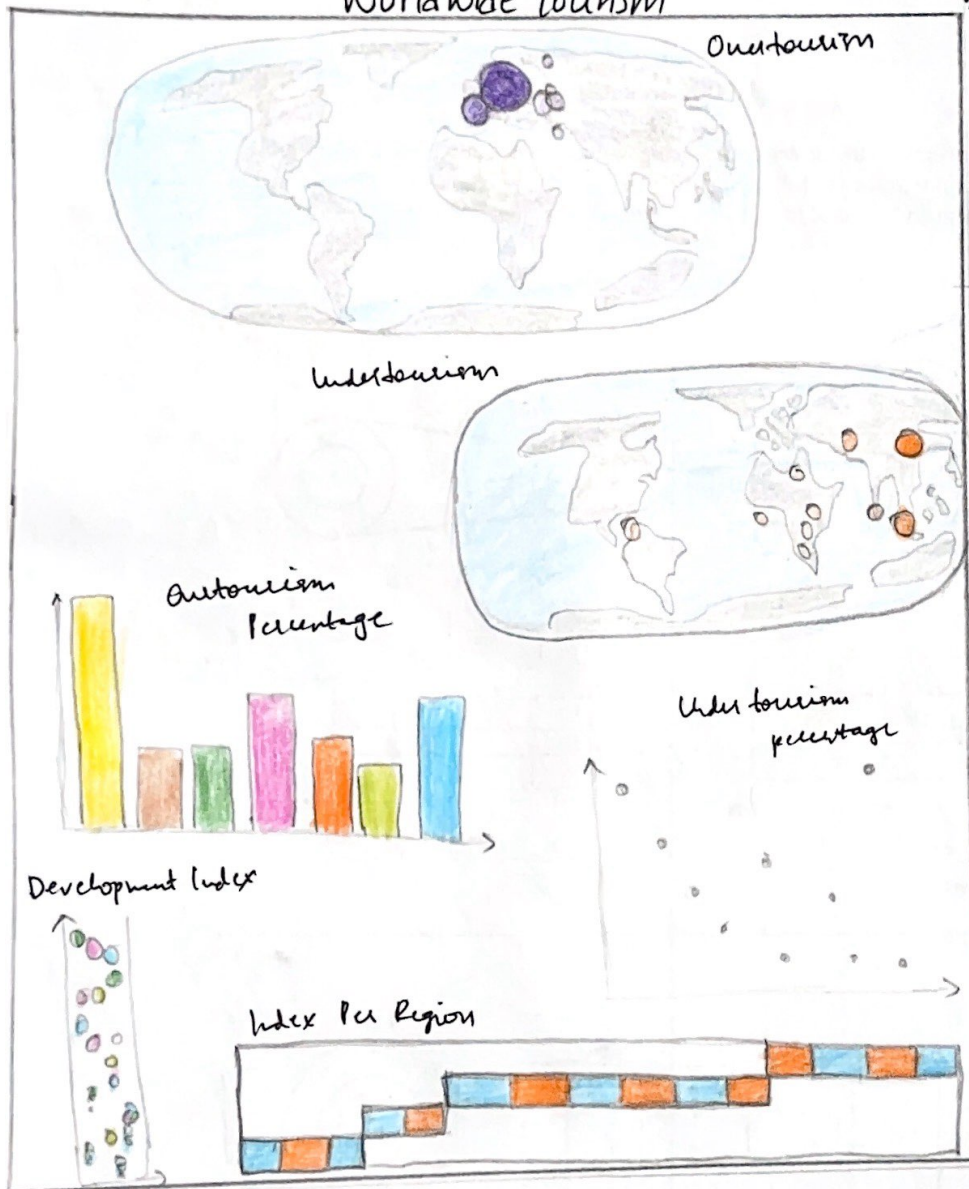→ Legends to be added for clarity in all the relevant idioms.

FOCUS

Thermal Heatmap

colour is for the income bracket

Blocks are for regions.

This shows trends of sustainable tourism worldwide

DISCUSSION

→ Is the heat map efficient? Rethink.

→ Scatterplot is a better idiom for the percentage

→ Bubble chart is a suitable idiom

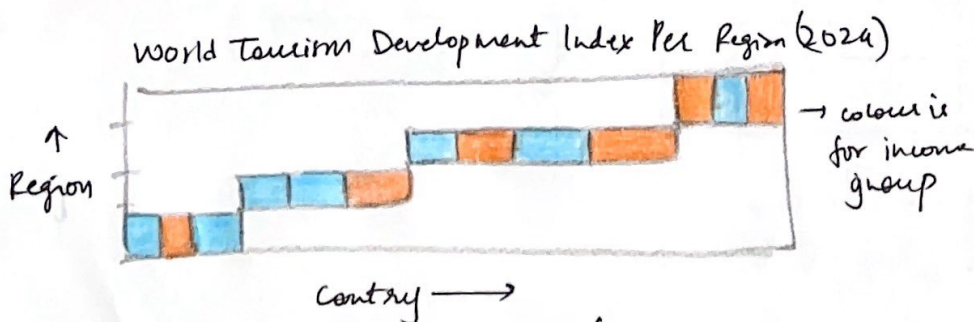→ 2 geo maps have been included in total.

LAYOUT

Worldwide Tourism

Overtourism

Undertourism

Overtourism Percentage

Development Index

Under tourism percentage

Index Per Region

FOCUS

World Tourism Development Index Per Region (2024)

→ colour is for income group

↑ Region

Country →

(Treemap is suitable for the chosen dataset)

TITLE :- Visualisation

AUTHOR :- Aditi Gupta

DATE :- 13/10/2024

SHEET :- 5

TASK :- Final Design

OPERATIONS

→ Filters include :-

(i) Locals outnumbered by tourists percentage for both over + under tourism.

(ii) Treemap by the Income group.

→ Tooltip included in all 6 graphs.

→ Github repo made to add all the data + make pages.

DISCUSSION

→ Treemap is more suitable idiom

→ 6 graphs included to show overall trend in tourism all over the world

→ bubble chart has been made vertical.

→ overall suitable idioms are chosen.