

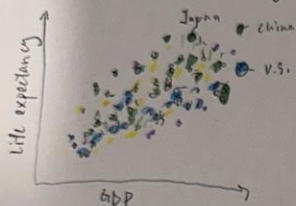
Sia Yi Bin | FIT3179 Assignment 2 | Five Design Sheet

Sheet 1

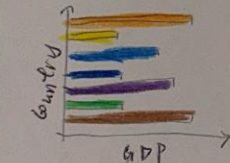
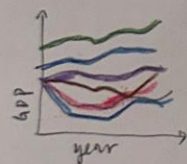
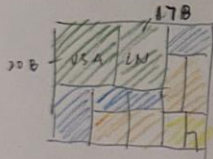
IDEAS



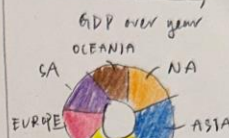
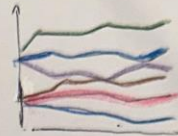
Choropleth map showing global GDP overview



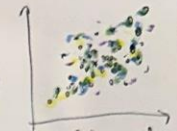
Scatter plot for relationship between GDP & life expectancy



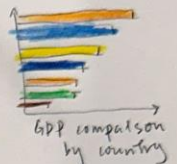
FILTER



Continent GDP contribution



↑ high life expectancy
↓ low life expectancy



GDP comparison by country

CATEGORIZE

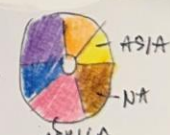
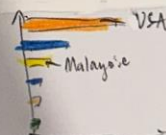
Choropleth map (Global GDP), bar chart (GDP by country)

↓
Bubble chart, scatter plot
• life expectancy
• GDP
• Population size

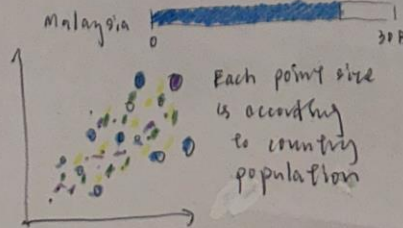
Line chart - showing GDP trend

↓
Donut chart showing % of continents

COMBINE & REFINE



select country from map and bar for details GDP

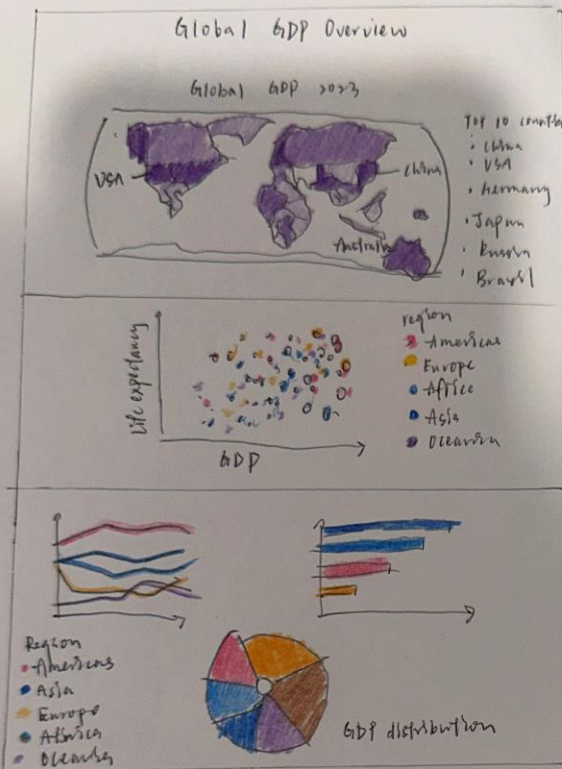


Each point size is according to country population

QUESTION

- What insights are most critical to audience
- How to best represent life expectancy vs GDP
- A multiple view needed?

LAYOUT



Title: Global GDP overview

Author: Sia Yi Bin

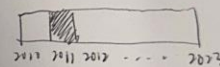
Date: 18/9/2024

Sheet: 2

Task: FIT 3179 A2

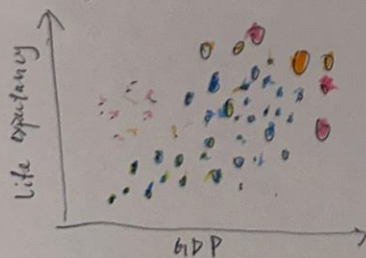
OPERATIONS

- Highlight particular country after click it on the map
- Select region to show the points belong to the region only
 - ☐ Americas ☐ Europe ☐ Africa
 - ☐ Asia ☐ Oceania
- Time slider below the time chart allows user observe trend over different year



FOCUS

Focus on the highlight of different region countries along with the different bubble size representing the population of the country



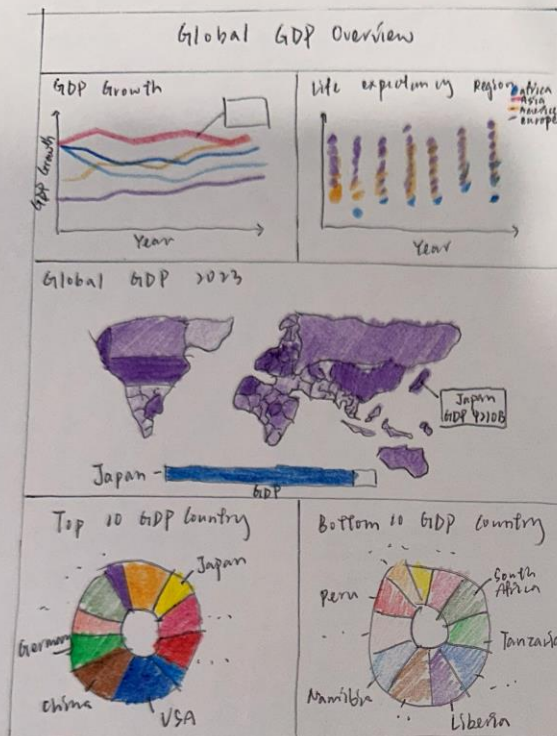
GDP Slider

- Needs to have a slider to let users move easily to observe different range of data

DISCUSSION

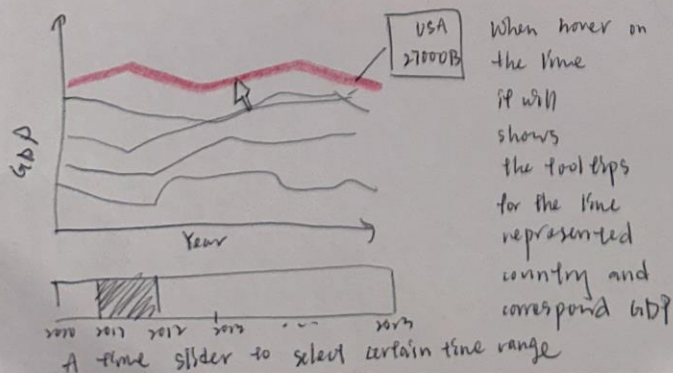
- Needs to combine country data and country GDP
- Needs to categorize the country to its continent
- Work out annotation for story telling
- Slider for time necessary?
- Grey out the non-communicable line in the line chart and highlight only one line?

LAYOUT



FOCUS

Focus on grey out the lines which not been hovered and only highlighted on the particular hovered line



Title : Global GDP Overview

Author : Sia Yi Bin

Date : 26/9/2024

Sheet : 3

Task : #173179 A2

OPERATIONS

- Hover through the line chart, it will highlight the line been hovered and tooltips
- Click on the map and below will show the GDP details of clicked country
- Select on the dropdown menu of the region, the chart will left with the selected region data only

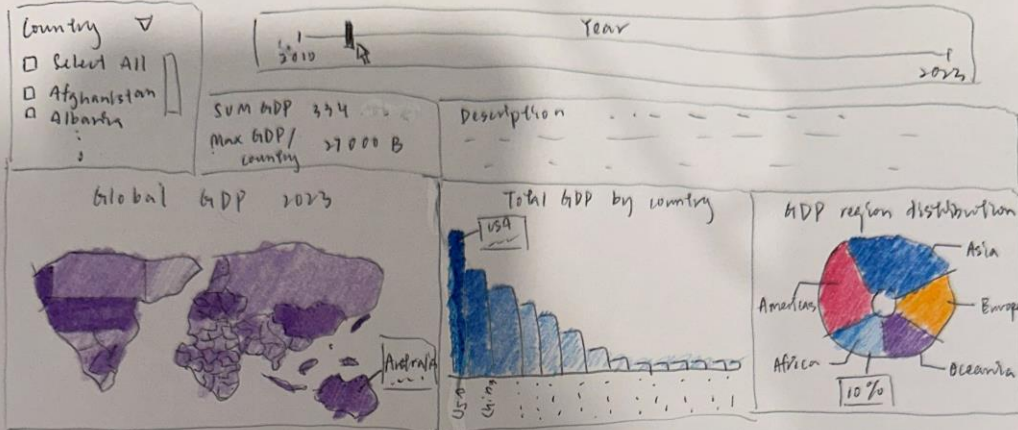
Show All
Americas
Europe
Asia
Africa

DISCUSSION

- Focus more on trend analysis to analyse GDP growth trends across regions.
- Discuss regional GDP disparities
- Compare socio economic factors driving the GDP rankings of top and bottom countries
- Limitation of life expectancy yearly data?

LAYOUT

Global GDP Overview



Title: Global GDP Overview

Author: Lisa YS Bin

Date: 27/9/2024

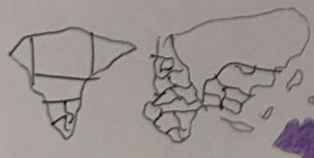
Sheet: 4

Task: F17 3179 A2

OPERATIONS

- Select from the dropdown menu of different countries to show the selected country data on all charts
- Select the year from time slider to show particular year data across all charts
- Hover through the country on the map / bar / segments will show the details in tooltips

Focus



When select on the single country
 show the data across all charts

of selected data only

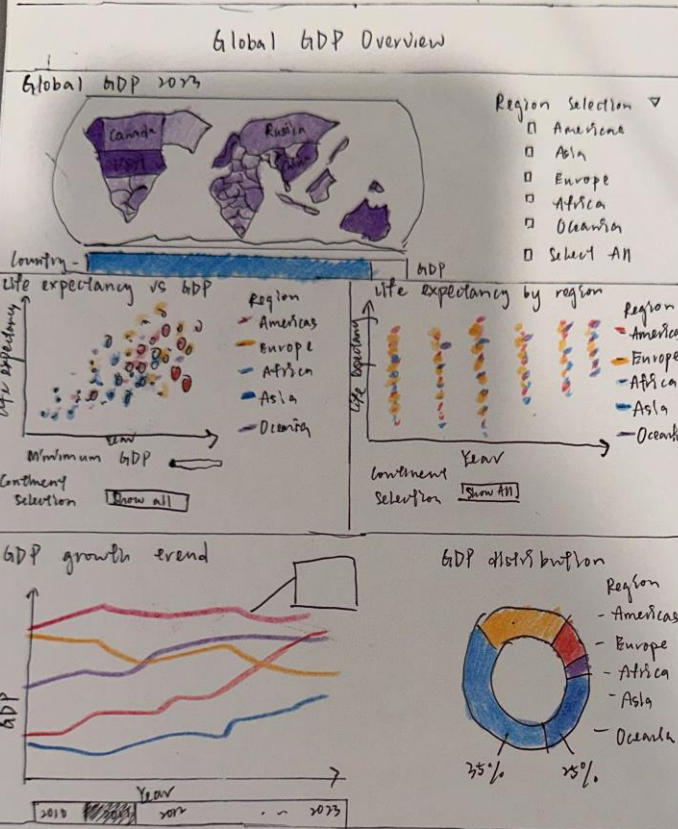
Only the selected country will be highlighted

Australia

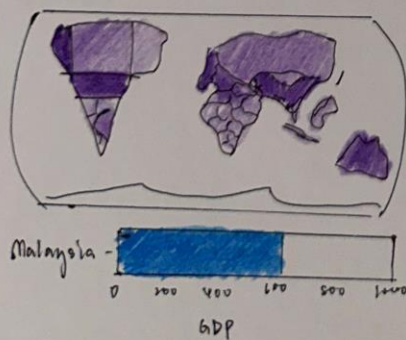
DISCUSSION

- Discuss insights from examining individual country data, especially high and low GDP countries
- Focus on selected data
- Suggest adding metrics like GDP per capita or economic growth rates

LAYOUT



FOCUS



GDP log scale for the representation of GDP in choropleth map

An interactive bar chart showing GDP details when user click on a country in the map

Title : Global GDP Overview

Author : Sia Yi Bin

Date : 30/9/2024

Sheet : 5

Task : F173179 A2

OPERATIONS

- Selection of region for map
- Detail GDP view for particular country by clicking on map
- Value slider for bubble chart to let user observe data on different GDP range
- Continent drop down menu
- Time slider for line chart to let user observe data on certain time range
- Tooltips across all charts are applied

DISCUSSION

- Analyze the correlation between GDP & life expectancy across regions and countries
- Justify the use of log scale for GDP on choropleth map
- How the region selection feature enhances the analysis?