

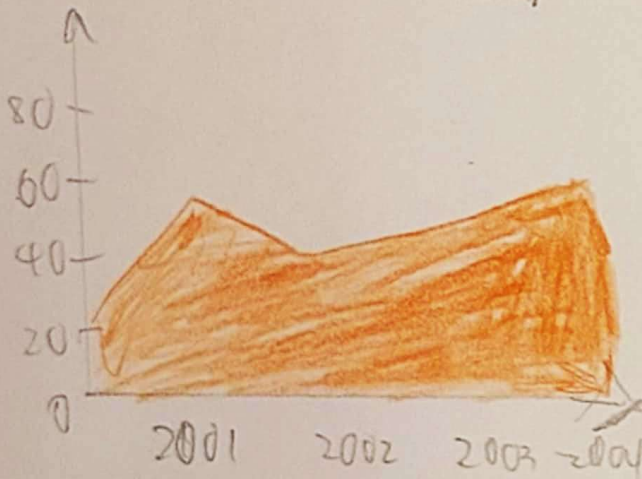
# 1) IDEAS

## Possible Visualisations

Choropleth Map

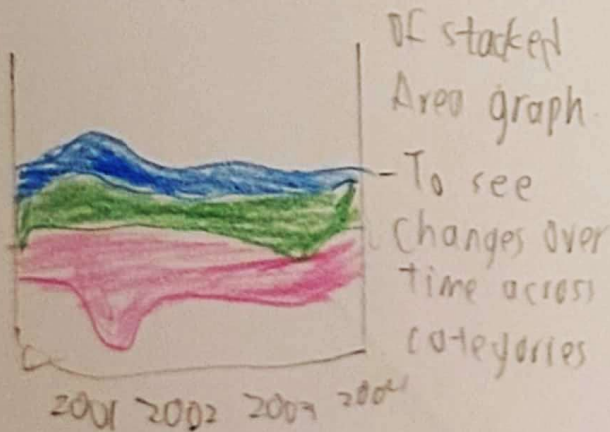


Area Chart



## Combine and Refine

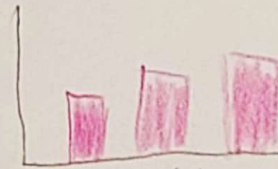
(Modified Area Graph)  
StreamGraph - A type



OR stacked Area graph

To see changes over time across categories

Bar



Heat Map



Donut Chart



Unp  
Reach  
Interest

Isotype



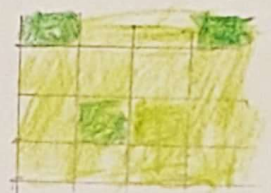
One in Three are suffering...

Isotype + Bar



## Filter

Heatmap



If data values are too similar, can be hard to tell impact  
(All same colour vibrance)

## Categorise

### 1) Temporal Analysis

Changes over time of unemployment rate

Job sectors vs unemployment over time

### 2) Impact Assessment

Unemployment vs Crime

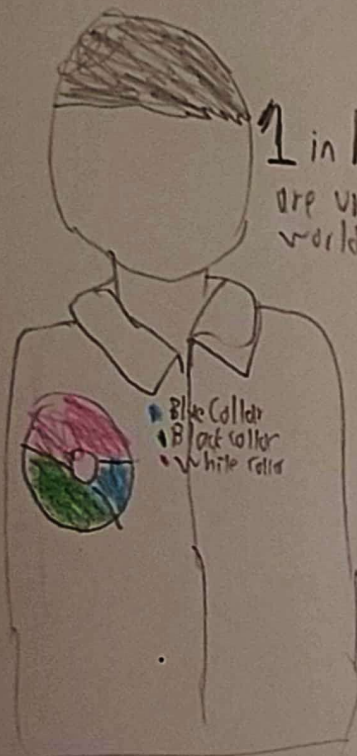
## Questions

- 1) Target Audience?
- 2) Purpose of visualisation?
- 3) What has potential?
- 4) To be improved
- 5) Drawbacks?

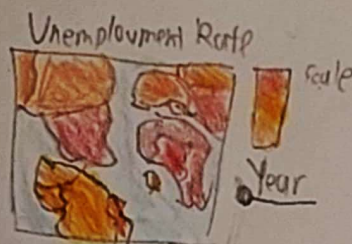


## Lay Out

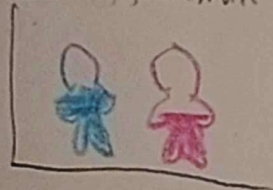
# Unemployment around the World



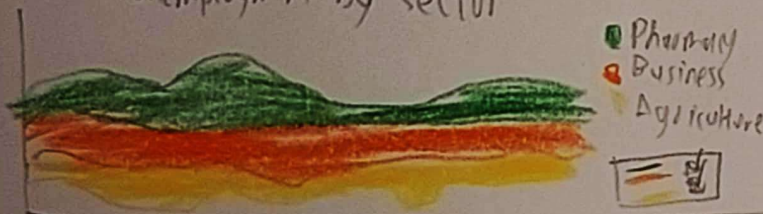
1 in 100 people are unemployed worldwide



Male vs Female



Unemployment by Sector



Title: Unemployment

Around the world

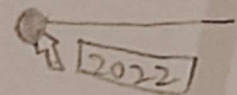
Author: Tany Wei Yau

Date: 1/10/2024

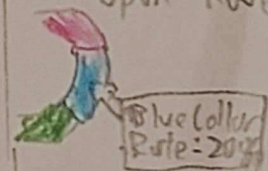
Task: Partition Poster

## Operation

- 1) User Read from top left to bottom right as if reading a poster.
- 2) Slider to filter based on years or values interested



- 3) Tool-tips as upon hover



## Focus

- 1) Interactive visualisation that demonstrate Unemployment rate around the world
- 2) Key technique: Using eye-catching Images and Typefaces to capture viewer attractions.

## Discussions

### Advantages

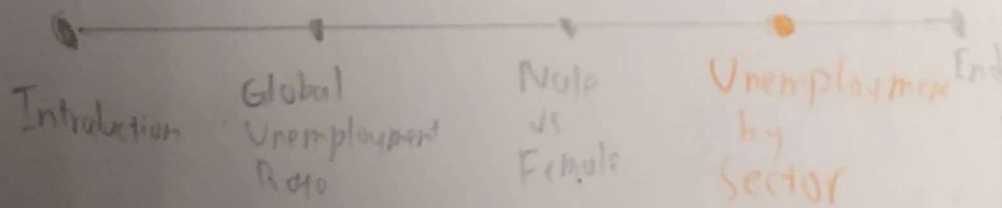
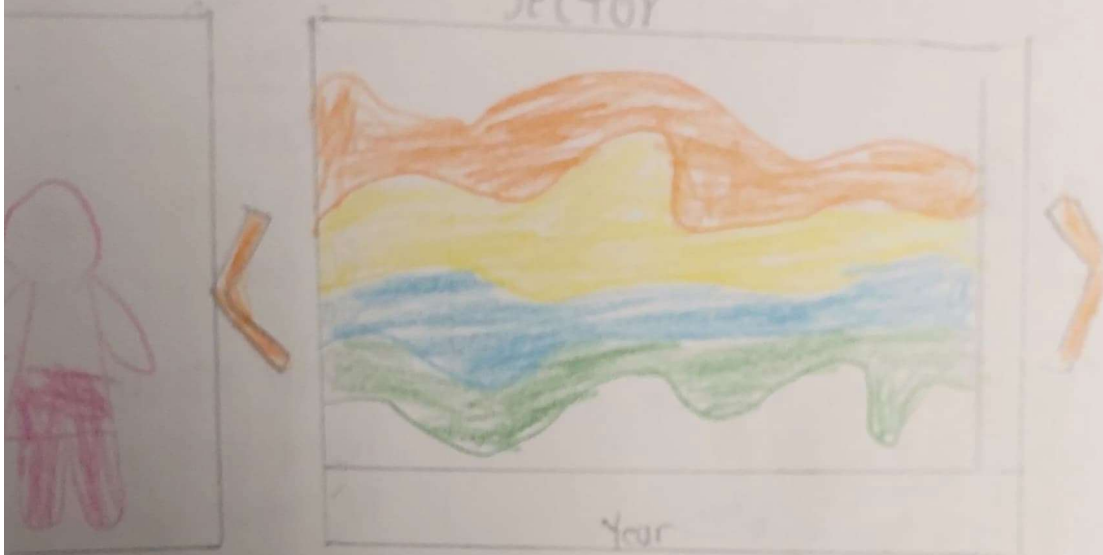
- 1) Interesting: Viewers attention are easily captured
- 2) Storytelling: Easy to follow with huge images and colourful visualisations

### Disadvantages

- 1) Chart Junk: Too many chart junk. May seem unprofessional
- 2) Inconsistency: Sizes varies throughout screen. May miss out important details

## Lay Out

### Unemployment by Sector



## Focus

- Shows one visualisation at a time to maximise clarity and attention on information
- Progress bar at the bottom to allow for easy navigation

## Discussion

### Advantages

- Sequence: Slideshow layout allows for easy, logical flow
- Chartjunk: Chartjunks are kept to minimum with this simple and efficient design

### Disadvantages

- Inconvenience: May be annoying to keep pressing buttons to navigate as we can only see one slide at a time.


Title: Unemployment Rate around the world

Author: Tony Wei Yoo

Date: 1/10/2024

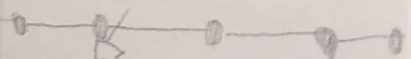
Task: Presentation Slides

## Operations

 Arrow buttons to move to previous or next visualisation

Progress bar at the bottom of the page to show progress

- Can directly press on progress bar to jump on specific visualisation

click  
  
- Labels and tooltips will appear upon hovering across visualisation

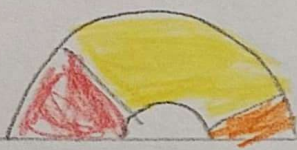
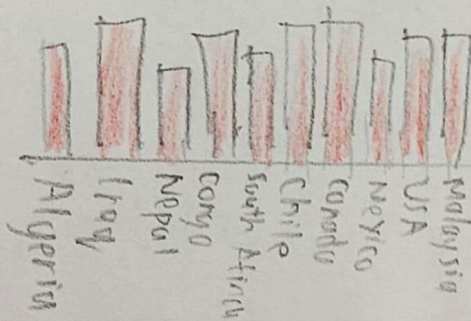


# Lay Out

## Unemployment Around the world



### Top 10 countries with highest rate



Age Group  
Teen  
Adult  
Old

## Focus

- Webpage layout for visualisations to be neatly aligned.
- High Quality Visualisations strategically put each other for viewer to easily view the big picture

## Advantages

- Clarity and Organisation: Easy to see and process information
- Visual Impact: The visualisations with no distractions to stand out

## Title: Unemployment Rate around the world

Author: Tony Wei Yau

Date: 1/10/2024

Task: Webpage  
Vertical scroll

## Operations

- Reading Flow:

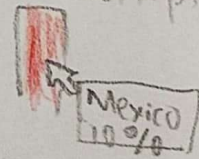
Viewer view from top to bottom. Scroll the page.

- Filter variables with sliders/dropdown boxes

Year 2024

ADULT  
TEEN  
OLD

- Hover over visualisation for tooltips



## Disadvantages

- 1) Visualisations may be cluttered as they are forced to be fit neatly.



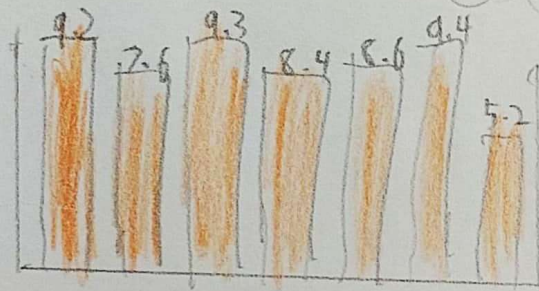
# Layout

## Unemployment Around the World

Unemployment rates are key indicator of countries' economical health.

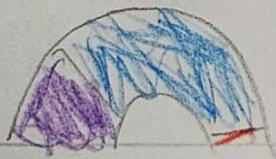


We can further visualise

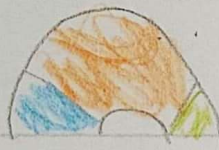


Select Year 2024

Unemployment By Sector



Unemployment by Age



### Focus

- Webpage layout for visualisation to be neatly aligned
- High Quality Visualisations Strategically placed next to each other for viewers to easily see the big picture

Title: Unemployment rate around the world

Author: Tary Wei Yoo

Date: 7/10/2024

Derived: Sheet 3

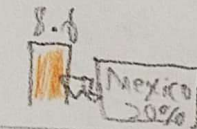
Sheet: Realisation

Topic: Final Design Webpage

### Operation

- 1) User Read from top to bottom in a webpage style allowed for vertical scrolling.
- 2) Slider to filter based on years
- 3) Annotations on charts and tooltips upon hover

2024



### Advantages

Clarity and Organisation:  
Easy to see and process information

### Disadvantage:

Visualisations may be cluttered trying to fit everything in a webpage