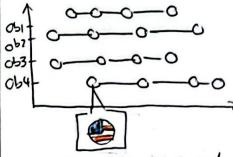


Author: Rebecca Chan Teng Yell Date: 19 Oct 2025 Sheet: 2

Sheet: 2 Toch: F17-3179 Assignment 2

#### Focus



- -> a connected day plot is used to visualise the humber of counties with the same perceived archlem and how much the obstacle contributes to the gendar gap intimic
- -> the counties' flogs are used to easily differentiate blu them

#### OPERATION

- G Tooltipe
- tovering over any of the data will give the exact locatived value
- 2 Filtering with selection

to highlight in the connected dot plot to reduce usual overload

@ Filtening with regard

omen Juser can select on either owner option in the legand to highlight that gender 5 grey out the other.

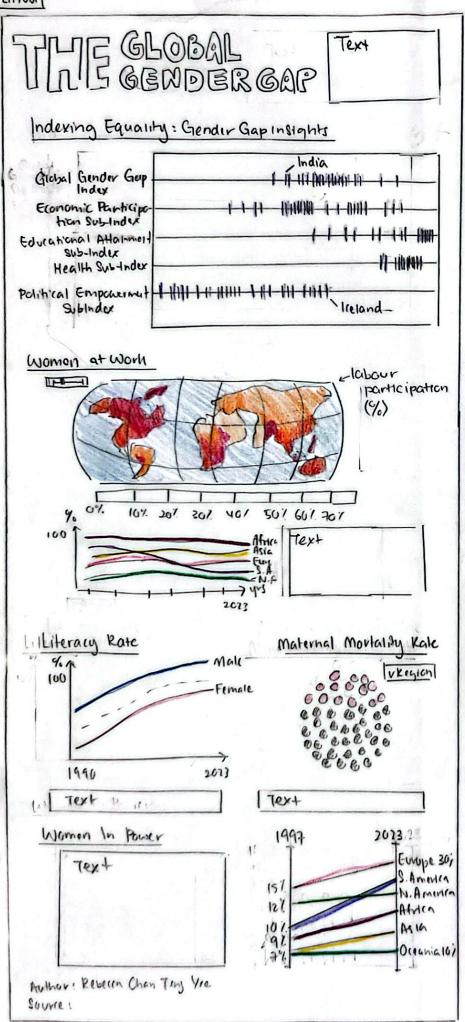
# DIBINSSION

#### Ptcs!

- simple to implement
- adding the countries flag to the connected dot plot makes the graph more intuitive for users

#### cons !

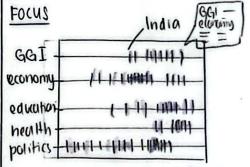
- interactive elements are basic and not very insigniful
- graphs are quite simple and not very innovative



Title: The Global Gender Gap Author Rebecon Chan Ting Yee Date 18 Oct 2027

Sheeti3

Tasn: FIT3179 Assignment 2



- The barcode chart shows the scores for the global gender gap malex and sub-index for each country
- Annotations for outliers of ney countries will be shown
- Toolhip revealing all index and sub-index score for the country

### OPERATIONS:

- 1 locities
- Thovering over any of the data will give the exact I detailed
- @ Filtering/Selections
- (a) Filtering with slider THAT > user can slide the slider to view data at a specific pt in time
- (b) filtering with selection minu vegical - user can select a

region to display Africa the mortality ratio Asia for the specific

region

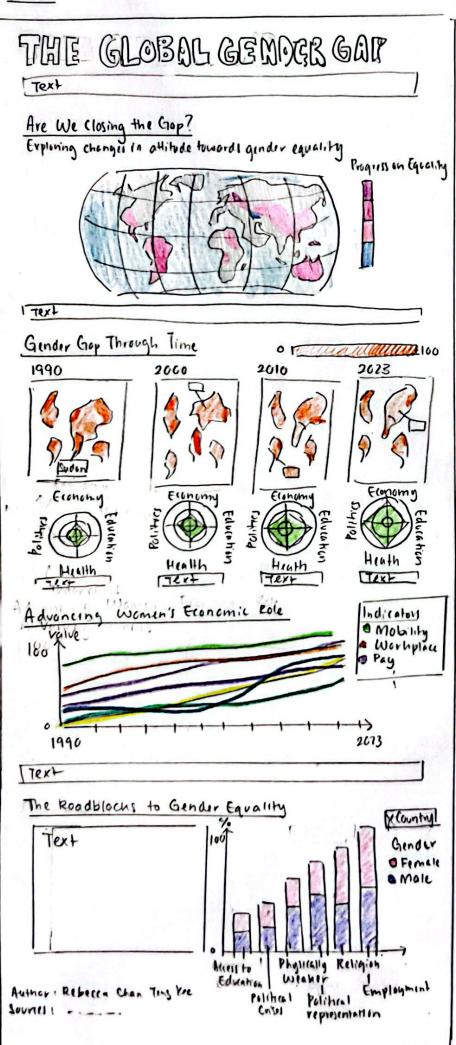
DISCUSSIONS

# Pros

- · Good use of sight-lines, columns and whitespace to achieve symmetry.
- · Clear storyline flow as it aligns with viewing path principle

Cons

- too simplistic & not as insigniful.
  The Barcode Plot may overwhelm wers as there are too many data points.
  - Gwould a box plot resolve
- · Too many categories for legend in chloropleth map.



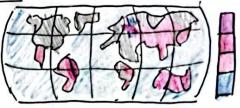
Title The Global Gender Gup Author: Rebecca Chan Tens You

Date: 18 Oct 2025

Sheet 14

Tain: FIT3179 Assignment 2

#### Focus



- Hovering over a country will show the countries's details
- The qualitative legend has been converted to categories for easier viewing

### Operations

(1) Tooltips

thoughn over any of the dota will give the exact/detailed value

@ Filtering / Selections

(a) Direct selection on legend

Indicator D Mobility 12 Wormplace b Pay

wer can select any of the indicators to highlight the relevant line.

(b) Filtering with selection menu

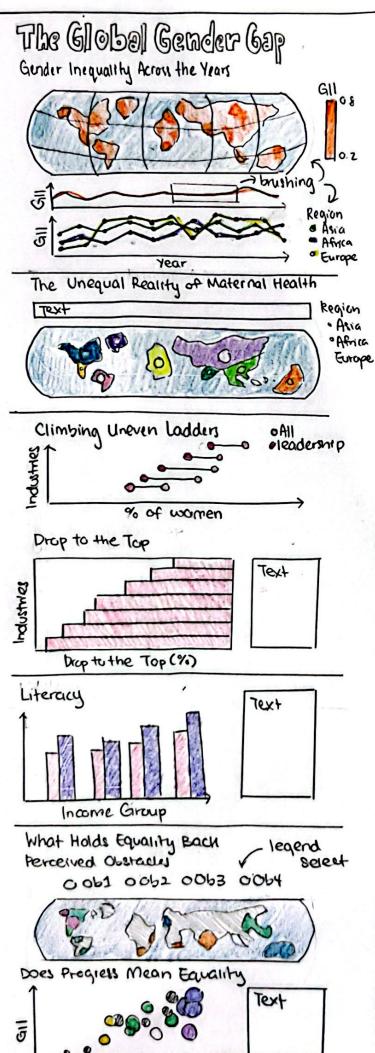
1 Country 484

Juler can select a country to display the sentiments for that specific country

# DISCUSSION

#### Pros

- · Has a clear storyline flow.
- · The use of filtering allows for users to easily glean data & for clarity
- · Representing Changes in attitudes towards gender equality as a chicropeeth rather than an arrow Cons chart is more intuitive with counted.
- · Might be challenging to implement I not implementable
- · using vega-lite.
- . The use of too many small multiples and radar chart may overwhilm user with too much intermation in one op.



> HDI

title: The Global Gender Gap Author: Rebecca Chan Teng Yee

Date: 20-10-2025

Sheet 15

TOSH : FIT-3179 AZ

### FOCUS

0 061 0062 0063 0064



Years of Schooling 00 02 CA 4DI

- -> selecting an obstacle in the legend will highlight the relevant data on the map? bubble chart
- > missing country data will be displayed in grey, I when hovered over displays'data not available!

## GPERATIONS

## (1) Tooltips

-> Hovening over any of the data will give the detailed value

# (2) Brushing

- -) brushing the line chart will allow wers to view the all Stats Arm different years t for different regions
- (3) Selection on Legend
- -7 selecting an obstacle will highlight the relevant data on both the chloropleth map t bubble chart

## DETAILS

- · Dependencies: Python (Panda) for data cleaning
- · Specific requirements.
  - larger map for clanity
  - -annotations
  - -rename legends Itallips
- · Estimated time & effect!
- e days to build idiom
- 2 days for impumenting
- interaction! 2 days for formatting the visualisation