

- (1) Map (choropleth)
- i) Australia states



ii) world-countries



(2) Bar chart

3) Line chart Aus. HDI over time



@ Scarreplot / Bubble

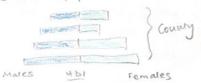


3 connected dos plot





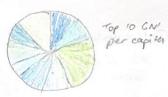
@ Busterfly chart



(8) Radar chart



@ Pier bonus chart



## FILTER

3 Line chart

Too simplished to most countries have quite a boring trend line (small increase every year) in not very informative

Drie chart
hard to compare areas in
pile format + hard to
make more advanced/
customised

D) Bar chart
Too simplishe >
butkerfly chart better
alternative.

#### CATEGORISE

### QUESTIONS

\* Are @ and @ doable in vega-life or need vega?

a Too much data cleaning required for Dimension data?

# COMBINE &

(2 & (9): (9) bester shows more data + a more complex visualization.

( & ( ) : ( ) bester areas easier to compare visually in themself than pie chart.

S: insueed of rader chart of all diruensions separate chart yes diruension (1 informative)

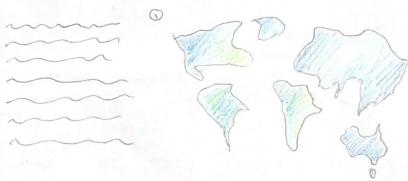
Author: Mia Liao

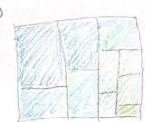
Dase: 15/09/24

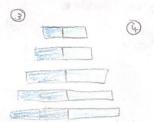
Sheet: 1

LAYOUT

### HUMAN DEVELOPMENT INDEX









- Thoropreth HDI of all countries
- (Top & bottom 10 countres)
- Butterfly expected vs. mean yrs. of education
- (A) Connected dot plot life expectancy (Mvs. f)

Title: Porthousen 1000

Author: Wia lias

Dave: 15/09/24

Sheet: 2

### OPERATION

-) maybe select year for 1

by comment or

#### Toolfips:

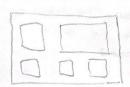
- 1 coanty, HD1
- @ coursy, CNI per cop.
- 3 Expected w. ween
- @ gender + like expectancy

## FOCUS

-> Focus on map (ADI)

> then breakdown into 3 dimensions

\$ 3 columns



rallows a deeper dive into dimensions of human development (not just 401 which alone is a bit abstract)

#### DISCUSSION

### Advantages

A Information on dimensions of HD)

(not repeating same data in
different visualisations)

& simple layout with 2 rows - lasy to follow

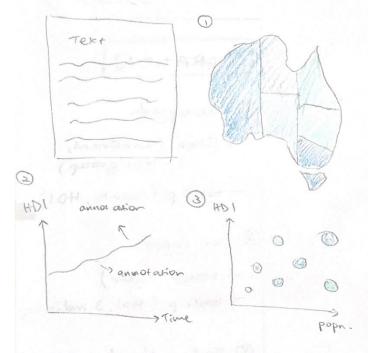
### Disadu anteges

\* top-right way be heavier weight (need a fair bit of Kert)

for 218/8-now muly rep. of all counties

## LAYOUT

## HUMAN DEVELOPMENT INDEX



- 1) Choropieth (2) Line chart

  HDI by state Aus. HDI over time
- (3) Bubble plot

  HDI vs. stak population

Title: Partitioned Poster

Author: Mia liao

Date: 15/09/2024

sheet: 3

#### OPERATION

- 1 Drop-down selection menn (select year)
- 1 & 3: option to select state (combined across both charts)
- 1) integrated line graph of state 401 over time?

#### TOOKEP

- 1) view stare HDI
- 1 view Aus. HDI every year
- 3 view HDI, population

## Focus

- -> simple + easy to follow layout
- -> start at top, map = focus follow down to @ & @
- -> 2 rows, 2 col. (grid)



### DISCUSSION

#### Advantages

- \* Focus on Australian data only not too much done to process
- A compact structure

## Disad vantages

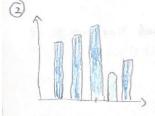
- & potentiary too simple idioms
- Autralia compares to other

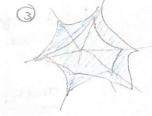
LAYOUT

HUMAN DEVELOPMENT INDEX









- 1 charopteth global map of countries' HD1
- (3) Bar chant Aus. Stakes HD/
- (4) Radar chert how diff. groups (race, gende) perform Win the HOI indiceres

Title: Parkitioned Poster

Author: Mia Cias

Date: 15/09/24

sheet: 4

## OPERATION

- 1 Choropleth
  - -) filter (confinent, (4DI group)
- -> took p (county, HDI)
- 3 Bar chart
  - -> select (year)
  - -> toolip (HDI, 3 indicatus)
- 3) Rader chart
  - -> select (eg. gender, vace income (eve))
- -) tooling (group. dimension/ indicarur.

## FOCUS

A Focus on very large choropleth (1)

\$ 2 main sections:

- -> global HD1
- -> Australian HD,



### DISCUSSION

#### Advantages

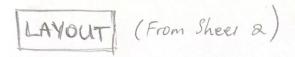
A both global & Aus dara

A mix of HDI & dimensions

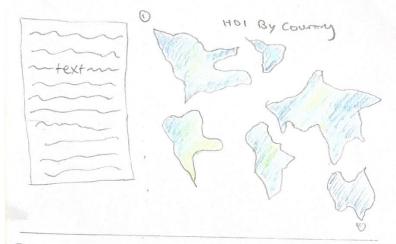
### Disadvant ges

A not much text / room for annotations

& not much crossoner between



# HUMAN DEVELOPMENT INDEX



Income 3 Education

@ Health







Title: Partitioned Poster

Author: Mia Liao

Date: 15/09/24

Sheet: 5

#### OPERATION

main interactive function is tooltip :

- 1) HDI , HDI group (com,
- @ an per capita
- 3 Expected + Mean years of education
- @ Gender, like experiency

Selection/Filter Function

1 By human development · correspond

## Focus

- → 2 main sections
  - 1) global HD1
  - 2) dimensions of HDI
- -> main focus = choropleth
- > storytelling:
  - -) main para, autop (HDI)
- -> smaller text annotations for bottom 3 graphs (explaining jargon outlies)

### DETAILS

#### Dependencies

- -> Vega, Vega-Like
- -) R (data cleaning)
- > Visual Studio

### Estimated time deffect

- at least 1 day for data wrangling, 3 for idioms, I for text/layout
- -) I day for data wrangling
- -> 1 day for choropleth
- -) 1 day for idioms (D, B, G
- -> 1 day for interactivity
- -> 1 for text / layous