

2021

Sereory (1000)



-> Ownploth map - KEED

-> Line Wart

2000 201 203 203 203 200 (Year)

Sortes plad

Sureces (1000)

10 of 1000

1

### CATEGORIZE

-> Spatial : Choropleth map

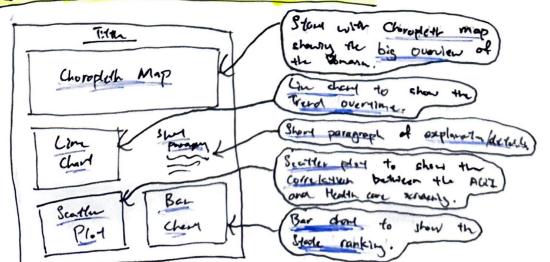
Temporal : Line Charl

> Relational : Scatterplat , Headings

3 Comparative: Bar chart

## COMBINE & REFINE

Scrand com

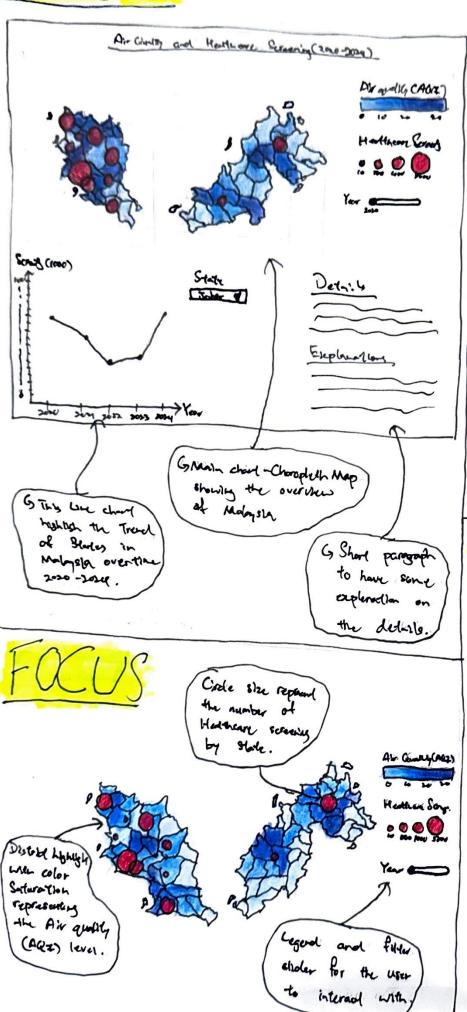


#### QUESTION

Personal Good?

trends (Timeline),
quantifies (telestralips
(Correlator), and
identifies vulnerable
groups (Madrig).





TITLE ; Germap view and Trend

PUTHOR: LIONG KYEN WEN.

DATE : 9/10/2025

SHEET: 2

TASK: Identify scenerily treads accounted.

#### OPERATION

- Slider to choose which year date to be shown on the cholopleth map.
- Gy User can use the dropolars Alfer to choose the 864e trend to be shown on the line change.
- G User can have over the map, circle, del for details toultips.

#### DISCUSSION

G Pross

Compelling story.

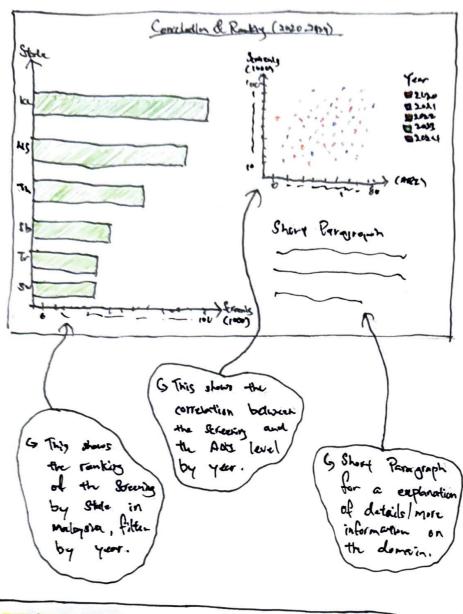
GExcellent for showing resonall patterns and specific delailed

G Consi

Cy Less suited for precise numeric comparison.

GThe correlation is implied rather than explicitly detailed.

# LAYOUT



6) Tooltops / amobilion to Shows details of Glegerd filer shows Soluted Your raday of in Malaysia. 1 2000 1 2011 1 2022 1 2014 1 1 2014 kt: Jh H3 KT (MARIANI) TO PHARE PN MANUELLA

TITLE: (smletim & Raby (2010-2010)

PUTHOR: WONG KIEN WEND DATE: 8:/10/2021

SHEET: 3

Ask: Telethy correlation between dota.

## OPERATION

G User can use the Year leafund to filler the bor chad and softer plot.

Gy User con hover over the bars / pluts to have a details tooltyps for better understanding of the data.

#### DISCUSSION

4 Pross

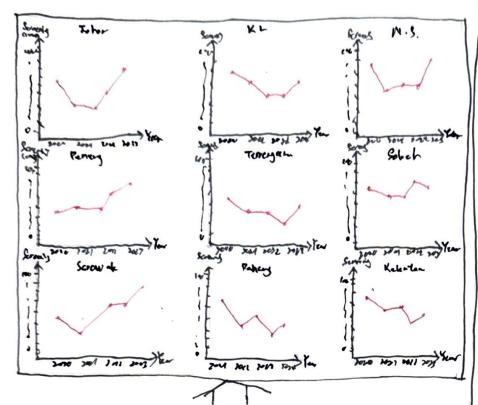
Consider and quantitatively answers the core research question.

Schooly shows correlation strength and outliers.

G Cons:

Colors inturlive for non-technical user (unfamiliar with scatter plot).

LAYOUT



( Small multiples of trend line chard for every

Screening. X. axis showing the Year (Timeline).

FOCUS

Sorwing Tohor Juny 198,000)

100

Year : 2424

70h 2011 70h 2013 1014

Year

Gur live cheet with interactive hover (tookpp shows execut screening number and Year.).

Year,).

G Highlighy hybred point/
Year of each stole
will annotation.

TITLE: Truel overtime in Michay sine.

HUTHOR: WONG KZEN WEN

DATE : \$ / 10 / 2025

SHEET: 4

TASK : Identify trend of slotes.

#### OPERATION

Cy User can hover over the points to know the exact number of screening and Year for better comparison.

Year of every state is highlighted / annotated for eacher analysis.

## DISCUSSION

G Prasi

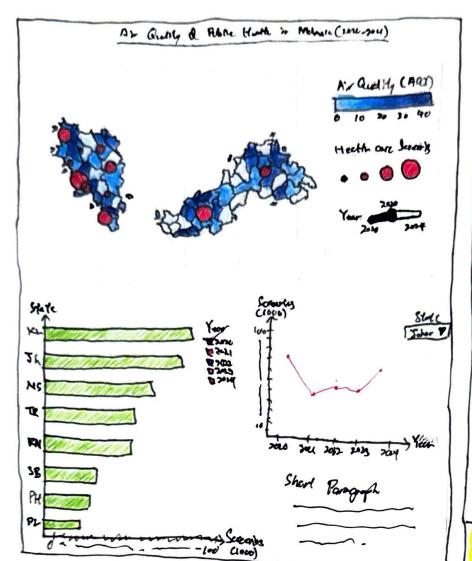
State's trend in Malaysia.

Green links help quartify the correbotion strugth.

G Cors:

( state in Molaysh), myly
by hard to have a
good sight live layout.

LAYOUT



#### FOCUS

- (s This find legow's focus on the trends and reletenships between Air Bunkly (AQI) and Public Health core in Melayon.
- 4 This legal includess
  - ( A choloplan map (overview of Malaysia).
  - G State ranking on Health con screening.
  - in Mologon over the time 2000-2029.
  - is show paragraph of explanation/details.

TITLE: An andy is Whole Helen (Qualitation)

AUTHOR: WONG KZEN WEN

PATE: 8/10/2025

SHEET: 5

TASK: Find lepol for national variableshing

### OPERATION

- G Voer can use the year slider to change the chalopleth map date.
- 6) User can select the year to see the select ranking in the selected year.
- G Voer can choose the state using the dop down fatter to see the state's trend.
- GUSER can hover over the distrol, circles, bars, plots for details tooltops.

#### DETAIL

G Data 1

G Air Gurdy (ACI) (2000-2024)

( ) Public Health one sources (2000-200)

(> Geo nep - Topojean formal.

(3) Population by state (20 20- scale)

( Processy

G Clear data to alson the

C) Normalize data for chapteth

GTads:

G Vega-lite

CO CIMMO

(> Excel

Co Budd + m.: