Title Task : Brainitom 1 Date: 8/10/2024 10 EAS/ 1. Gleographic & Fromomic Overview symbol proportional choropleth, map 3. Climate & Environmental Impact heat map 3 Agricultural Productivity 0 40.1 4 RESOURCE USE sankey diagram COMBINE & REFINE / 1. combine 3a & 3b into stacked are a chart year transform to into parallel coordinate plot

Author Joey LIOW

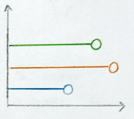
FILTER /

ia. Symbol Proportional Map



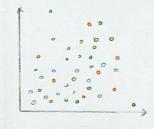
- easy to cause clutter
- . might be nard of symbol

20. lollipop chart



-take up a lot of space if all country used to compare on the same field. 10 country in dataset

26. Scatter Plot



· no correlation between attribute => MEANINGLESS ??

CATEGORIZE /

- 1 Alobal & Economic Agricultural Contribution Overview
- a climate & Environmental impact on Agniculture
- @ Agricultural Production
- @ Resource Use on Agricultures

QUESTIONS /

- ? Are these visualisation able to be generated using Vegalite
- ? is there any deceptive information
- ? what are the storytelling genre applicable
- 7 Is this category sufficient to present a good vivialisation for HEIRICULTURE "
- ? Is these chart complex

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Title :

Task :

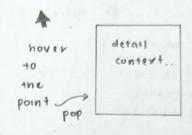
Date : 8/10/2014

OPERATION /

- filter

2

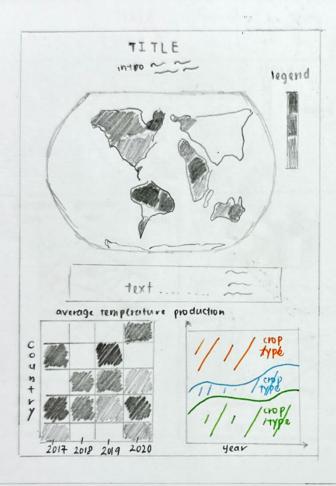
1. tooltip



year 2020

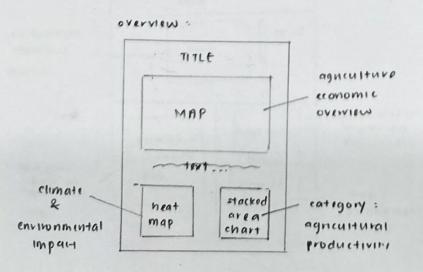
preveal data before 2020

LAYOUT



FOCUS/

of choropieth map to show agriculture economic impact across different countries



DISCUSSION /

· Advantages :

- · visual hierachy on map
- · balance layout
- · clanty & simplicity

> Disadvantager:
-might be lacking of

information .
only focusing on :

- 1. overnew
- 3. climate impact
- 3. agricultural productivity

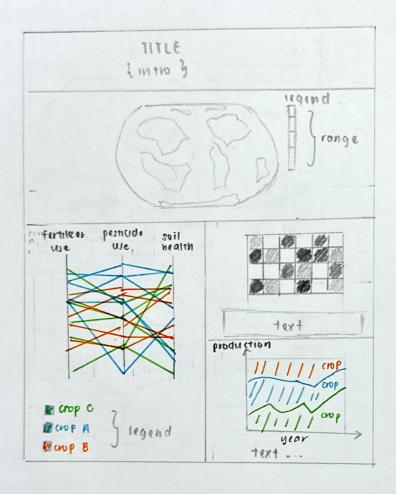
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Date: 8/10/2014

3

LAYOUT



OPERATION//

1. 10 01tip

I hover to show more detail information of the data point

attubute Value

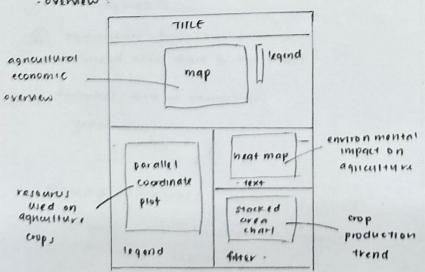
a. suder

fitter chart to only Show data before 2024

FOCUS/

· no main facus = all equally important

- OVENNEW :



DISCUSSION

contain more information with chart

Disadvantages .

- layout unbalanud
- lack of interaction
- might be overwherning

Author : Joey LIOW

Title

Task:

Date: 8/10/2014

OPERATION

1 tooltip :

4

I hover to show more details on data point

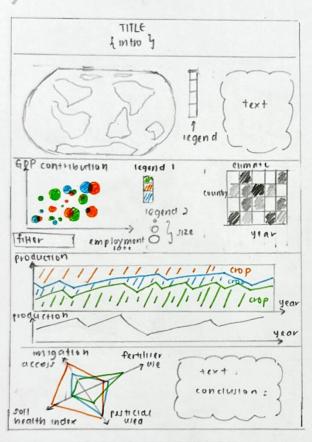
attribute 1: value attribute 2: valus

adjust year adjust year adjust year adjust year aliplay chart based on value

3. drop down filter show all vi to filter year / category like country 11 region odisplay chart to based on filter

4. brushing effect: 1 → Alter on line chart to apply changes to stacked area chart

LAYOUT



FOCUS/

- Focus on 4 categories:

- 1 Agricultural Alobal Economic Impact:
- @ Country Climate Impact on Agniculture.
- 3 Agriculture Productivity: Stacked area chart & line chart
- @ Resources used on agriculture;

=> might have to reorder the sequence for better readability

DISCUSSION

1

Advantages:

- a lot of user interactivity to enhance expensed
- more information
 - balanud layout

> Disadvantages

- might encounter information overload

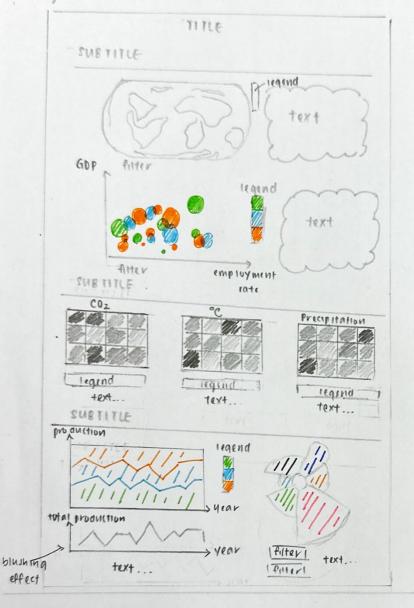
Title :

Task : Final implementation

Date: 8/10/2024

5

LAYOUT/



Fows/

equally important

- category included

1. geographic & economic overview

2. climate & envinnmental impact

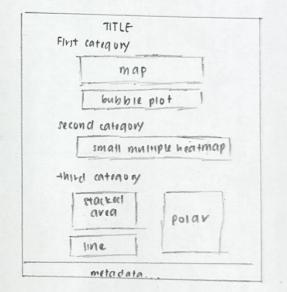
3. agricultural efficiency

story telling .

emphasis on consistent color across attributes, layout (white space.

Signit line, typography) punciples to create a clear hierarchy

OVENIEW:



OPERATION

1. Tooltip & : hover to show more details attro: val)

. Selection on Legend . B : chick to filter based on selected category

3. drop down filter Isnow all V : slick to filter based on selected value

4. suder filter : Date drag to filter

5. brushing effect

V/ tim

ther across

6. selection on heatmap click to compare clearly in that row

DETAIL/

Dependencies: Excel workbook &

Excel worksneet &

Vegalite &

HIML & CSS &

Pandas

Githnb

Estimated Time taken to Complete: