Author Joey LIOW Alobal Agnorthurs Insights Task : Brainitom 1 Date: 6/10/2024 IDEAS, 1. Eleographic & Feonomic Overnew Symbol proportional choropleth map 3. Climate & Environmental Impact heat map tollipop chart 3 Agricultural Productivity 40 1 tres map 4. RESOURCE USE stacked bar chait sankey diagram COMBINE & REFINE " 1. combine 3a & 3b into stacked are a chart > transform to into parallel coordinate plot

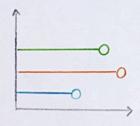
FILTER/

1a. Symbol Proportional Map



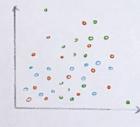
- -easy to cause clutter
- of symbol

20 lottipep chart



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

26. Scatter Plot



no convention
between attribute

⇒ MEANINGLESS ??

## CATEGORIZE //

- Contribution Overview
- @ climate & Environmental impact
- @ Agricultural Production
- @ Resource Use on Agricultures

## QUESTIONS /

- ? And those visualisation able to be generated using Vegalite
- ? 11 there any deceptive information
- ? what are the storytelling genre applicable
- 7. Is this category sufficient to present a good visualisation for #ERICULTURE
- ? Is these chart complex

Author Joey LION

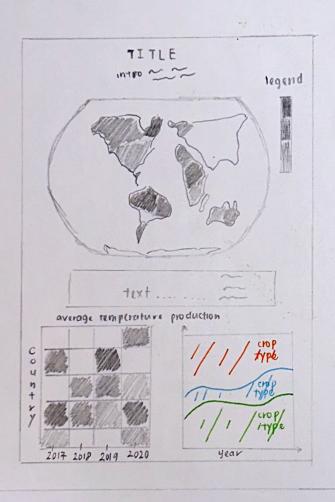
Title: Alobal Aquiculture Insights

Task : Initial Design

Date 6/10/2014

2

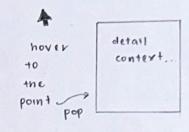
LAYOUT/



OPERATION /

- filter

1. tooltip



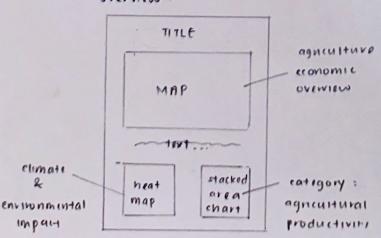
year 2020

previal data before 2020

FOCUS/

of choropieth map to show agriculture economic impact across different countries

overview :



DISCUSSION /

Advantages :

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

X Disadvantages .

·might be lacking of information .

only focusing on :

1 .....

- s climate impact
- 3. agricultural productivity

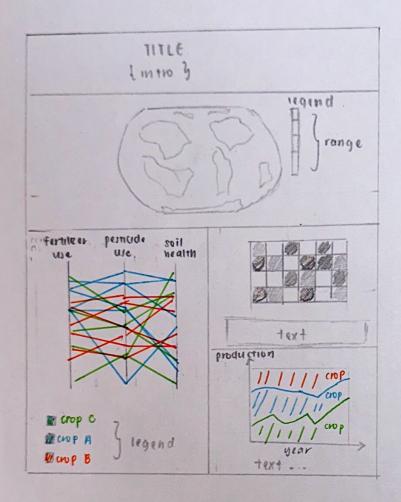
Author: Joey LIOW

Title: Alobal Agnoulture Insights

Task: Initial Design Date: 6/10/2024

3

LAYOUT



OPERATION/

1. to ottip \*

I hover to show more detail information of the data point

attubute Value

a. suder

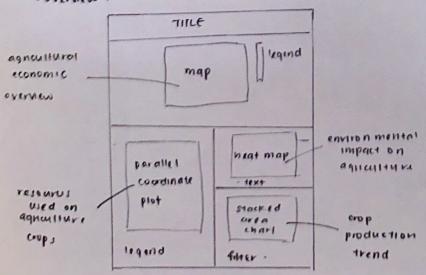
1

filter chart to only show data before 2024

FOCUS/

· no main faces = all equally important





DIS CUSSION/

Advantages:

contain more information

with chart

M Disadvantages .

- layout unbalanud
- lack of interaction
- might be overwhering

Anthor : Joey LIOW

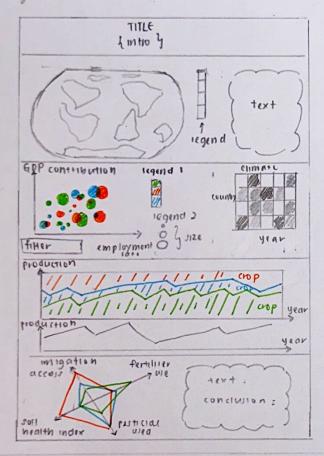
Title filobal Agnoulture insights

Task: Initial Design

Date: 7/10/2014

4

THOUT/



FOCUS/

· Focus on 4 categories :

- 1 Agricultural Alobal Economic Impact:
  map & bubble plot
- @ country climate impact on Agriculture.
  heatmap
- (a) aquiculture Productivity:

  Stacked area chart & line chart
- @ Resources used on agriculture;

=> might have to reorder the sequence
for better readability

OPERATION

1 tooltip :

I hover to show more details on data point

attribute 1: value attribute ): value

adjust year aliplay chart based on value prior to sesection

3. drop down filter Ishowall 7 - to filter year / category like country 11 region - display chart to based on filter

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

DISCUSSION

1

Advantages:

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

X Disadvantages

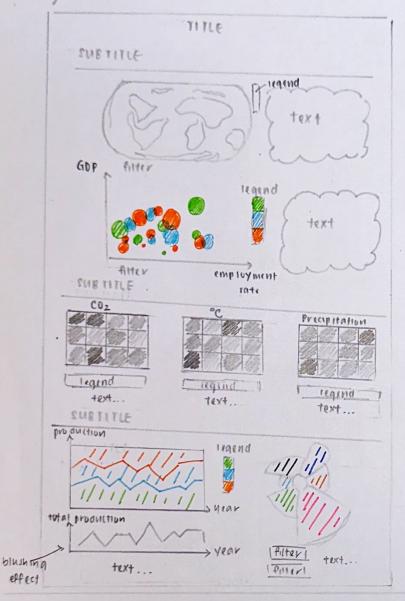
- might encounter information overload

Title: Global Agriculture Insight

Task : Final implementation

Date 8/10/2024

LAYOUT/



OPERATION.

1. Tooltip a : hover to show more details attro: val 2

attr 1 : val 1

clearly in that row

. Selection on Legend click to filter based on selected category

3. drop down tilter I show all ) : click to filter based on selected value

2 2001 : drag to filter based on man

chart to apply stacked area chart E selection on heatmap · click to compare

FOULS

5

· no main chart tocus, all grayhs equally important

- category included :

1. geographic & economic overview

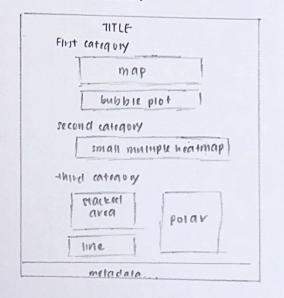
2. almate & envinnmental impact

3. Agricultural efficiency

- story telling .

emphanis on consistent color across attubutes, layout (white space. signt line, typography) punciples to create a clear hierarhy

overview:



DETAIL

Dependencies: Vegalite & HIML & CSS & Pandas althub

Estimated Time taken to Complete Week