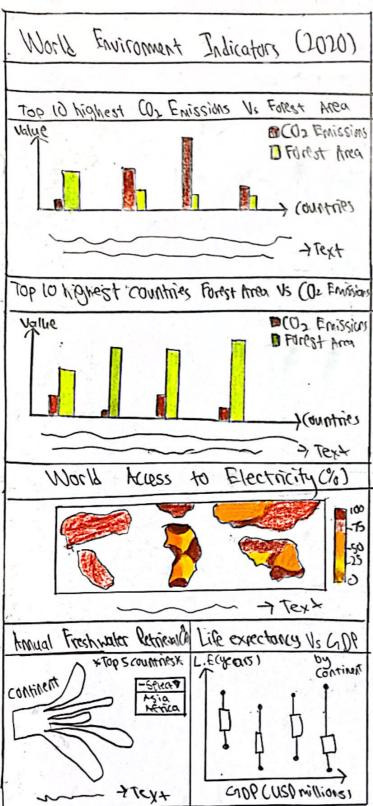


## TUOYAI



BOCUS

Jame

DE COS

DE FOREST AREA

A MARTÍNES

\* Group Bor
Chart is easy
for side-byComposition
\* The regent is
a clickable
filter to see

Title: Norld Environment Indicator Overview (2020)

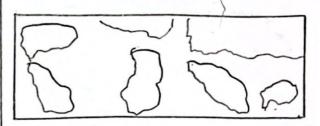
Author: Leterment all Sarawanor

Date: 10/10/2024

Shopt: 2

Task: Design a scrollable-page with narration

OPERATIONS



\*(hloropeth map

INO normalisation needed as

it is already presented as percenters

When User hovers over them to show electricity access

4 Toolfip must also show that the data of that country is not present if a user hover over the a grey colour country.

Diverging Orange colour scare is used to stow "electricity" and emphasize main continents that are lacking

### DISCUSSZON

Advantages:

Can to easily chicket

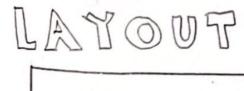
4 Annotations can be added clearly

4 User just as to scroll down

(lear sublitles

Disagnovedes:

4 Tough to maintain side lines.



1. Top 10 Countries for highest CO2 Emissions Us Forest Area

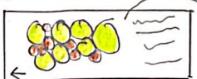
7. Top 10 countries for highest Forcet trea us coz Emmissions

3. World Access to Electricity

4. Annual Freshwater Retrieval

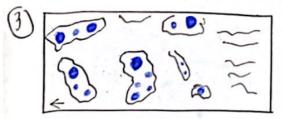
5: Life Expontancy Us GOP

O and O

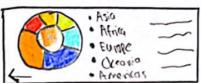


@CO2 Emissions

D Forest Area











Toolhips is not the continent that retrieves most

· North America

· Enlobe

· Ortania

Group by Continent and divide it by total Freshwater and times

Freshvater annualy

Annotation for MOST CONTI

Title: World Environment Indicators (1)

Author: Lekement all Sarawanan

Date = 10/10/2024

Sheet: 3

Task: Designing webpages for Poch indicator

# OPERATION

This are all buttons to

4) Need separate Html files for each indicator

Is in the main page, index. It in he need to provide the the links of the HTML Files

back to the main page (<).

4 Or can use React fromework from Javascript and create separate components for each navigator

## NO E 22 W DESEG

Advantages:

4 Organized well into pages

#### Disadvantages:

- 4 Con't do direct comparison
- In bage.

BOCUS Asig





# LAYOUT

Norld Environment	Indicators (2020)
CONTINUE OF CONTINUES OF CONTIN	Top 10 countries for highest aroa feet forest aroa feet world Access to Electricity  Annual Freshwater Retrieval C?.)  The Experiory Us  GIDP  Fext
O MECADIWILIAN)	

Title: World Environment Indiana?

Author: LEKKINEM OVI Sarawanan

Date: 10/10/2024

Sheet = 4

Task: Design left-aligned scrollable

## OPERATEON

1 Tooltips for butterfly charts

Legends in butterfly chart are clickable

DCO2 Emissions D Forest Area

click! to filter bors.

## BOCUS

00000 0000 0000 200141 601

Continent Splection:

· Asiq

Asia Merica North America South America Oceania Eurofe

Population < 1.0-10 M

0.0-10∧ 0≥500 M 4 Can filter
by
continent
Additional
Dala: Balation
Csize of

Points ) 4 Able to natice tranks

data

GOPCUSD millions)

### DESCUSSEON

Advantages:

4 Good sight lines

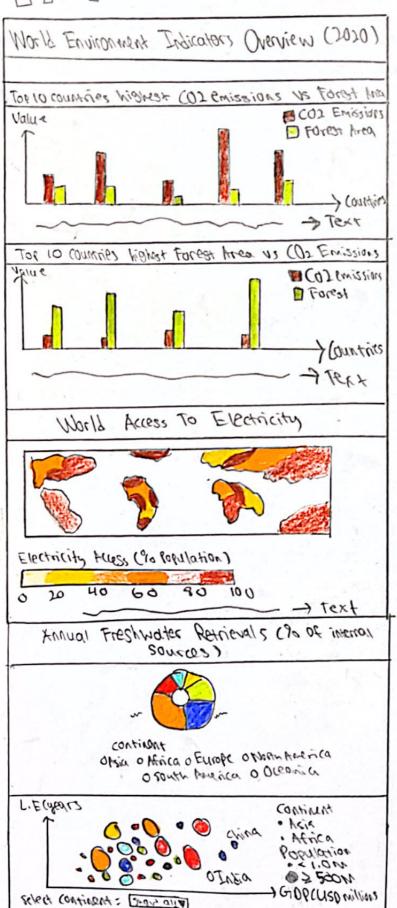
4 Quite clean Look

Disodvontages:

4) Some visualisations like the much needs bigger space so may disrupt

Whitespaces or the texts on the

# LAYOUT



FACTOR STATES OF THE PARTY OF T

BOCUS: -All charts here are important for users to understand the environmental

- Emmosis on annotation and toothips

Title: World Environment Lindicators

Author: Lekkment all Socawaran

Date: 10/10/2024

Shoot = 5

Task: Design final scrolable weepings

# OPERATEON

### Filtering =

Group bar charts

4) Drop-down for continent fittering

#### Tooltips:

\$ Used for all charts

4) Bolded values

#### Annotations =

MHIGHEST values in donut chart

4 country names in scattle plat

### DETABLE

· Data transformation: Using pandas library(python) to opt top 10 countries

· Data Cleaning: Remove countries which have no dota or indicate in Chart

Estimated Time and Effort: 5 days

4 One day for data collecting, transformation

4 2 days for group bar charts

4 3 days each for rest of the charge

#### specific Requirements;

4 Subheaders must be clear

1) colours of continents must be clear