

#### Filter

Pie Charls - not ideal for companing multiple categories

Area Charls - area under the curve can make it difficult to precuely compare values at specific points in time.

Categorize.

- Group data by continents or economic blocks
- integorise countries as developed, developing, or underdeveloped to compare emusion patter.

- group sectors like agriculture,

and land up together to see their combined effect on tol.)

emission s

- redire the data to hyplight
key time periods, such as
during major international agreements

Quodiens.

- i) is the cusualization intuitive and easy to understand for target audience.
- 2) How might this visualization influence document moking in educational and economic rector.

Layout

Global CO2 Emusion Overtire.

Hade Ber

1 top 10 countries.

Tille: Greenhouse gas. Author: Daron Dale: 8/10/2004. sheet: 2

### Focus.

- GHE Analysis Downboad. - gue uses a clear and interactive way to explore green bours gas data from different perpenties. - spend most time typing between different visualizations

## Operations

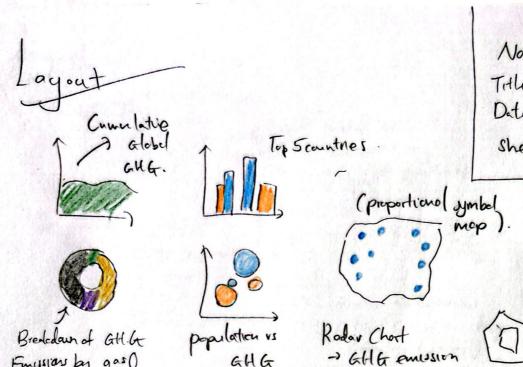
- allow wers to soom in on specific period
- users can toggle between sector
- toggle to see emusions per capit 9.

## Advantage.

- explore GHG dda from multiple perspectives, making it easier to derive insights - can ditter 1200m, and select different views.

## Disadvantages.

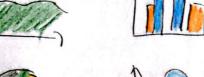
- overload of information
- Sind lash board overhelming.
- hard for mon-techincal users to understand.



Brendedown of GH. Gr

Emission by gas ()

Nome: Agron Title: Greenhouse gas Date: 10/10/2014 Sheet: 3

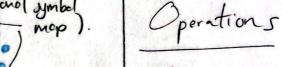




population vs GHG



-> GHG amusion from multiple sedor.



- have over specific years to Re cumulatup - clicking on different gover in the donnt chat provides marp detailed information about emissions - select different countries from q drop down to ne how nector specific emissions compare within each nation.

- faw on comparing omissions across various sectors, countries, and goves.

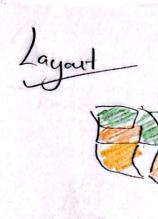
- a doubboard where users can click on different sections to view sector-specific data for selected countries.

# Advantages

Diverse Perspectives - allow users to view emusions data from multiple anglo - adds a dynamic and engaging element to the data-

## Diadvantages.

- had der wer to interpret radar chart
- a lot of interaction may require extra explanation for users to July understand what the dala represent.

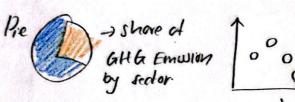


ch orapleth map GHG Emwens percapita

Global G116 Emusions by gus type over, time

Name: Aaron Title: greenhouse gols Date: 4/10/2014 Sheet: 4

(global averge temperature)



-) Emwion Radudians Actual Emwins by Country (2020 ).

Foins - areis will likely spend most of their time interacting with the Map and Hacked Area Chort to undorstand emissions intensity - hover over countries in the map to see emusion per capita

Advantage s - provides a long town war ed how the composition of GHG empsions has evolved, giving insights its trevos. - unful for spotting periods of accelerated emusions. increases or decreases

Operations

- chele on countries to get detailed informator

- 200m in an specific time periods to me how individual games like methane or (0)

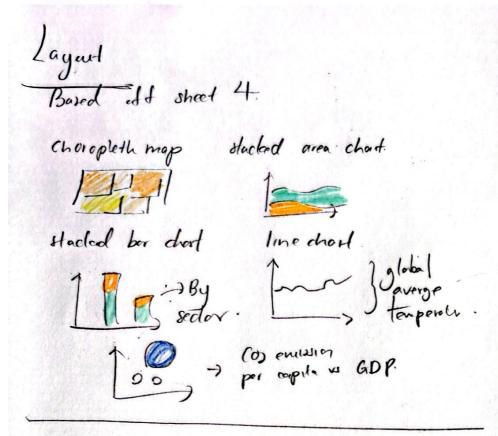
- see percentage charge

Os advantages

- require additional explanation for users

runally overhalming

provides limited information



Focus.

- provide a comprehensive revew of GHG emusions on a global scale, broken down by country, gas type, and redor, - focus on company county-specific omission wing the Map.

Name: Aaren

Title: greenhaux gas.

Dale: 12/10/2000

Sheet J

Operations

- Haver over a rounty

- soon into specific time period

- toggle between actors to view speadic empirions contributions

- Hover over speculic years to me exact global temperature values.

- follows duplays the average .

Dolail

- R for data cleaning

- Vscade to code

- Vega Lite Editor der making groph - own a git hub account.

Estimated time and effort: 7 days to build all idions and 3days for fival design. specific requirement laptop and daskty

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