

# SHEET 1

## IDEAS



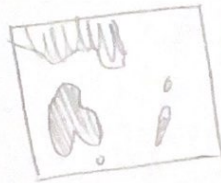
scatter plot/  
bubble chart



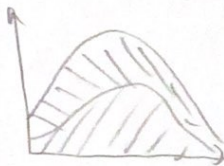
bar charts



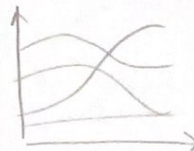
line charts.



Choropleth  
maps



Area  
charts.



Sankey  
diagrams.

## COMBINE & REFINE

→ Choropleth maps  
a great choice for  
distributions.

→ Bar Charts can be  
versatile for multiple

→ Sankey probably  
not the best choice.

## FILTER

### Sankey Diagrams:

- data doesn't have any  
"flow"
- visually hectic.

### Area charts:

- hard to combine magnitude  
and time with dataset, not  
suitable.

### Bubble Charts

- Quite simplistic, may not  
cover necessary elements.

## CATEGORISE

### Choropleth maps:

- visually appealing.
- great representation

### Bar charts:

- simplistic, easy to  
comprehend.
- very versatile.

### Scatter plot:

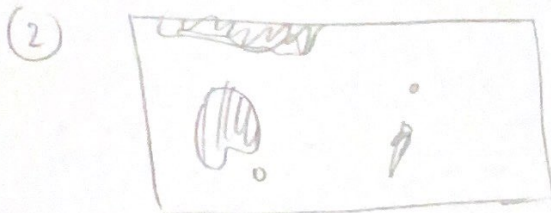
- great for discrete  
values.
- can be adaptable.

## QUESTIONS:

- Where to obtain data?
- how to use vega-lite to high  
standards?

# LAYOUT

① INTRODUCTION



Choropleth map

③



line  
chart



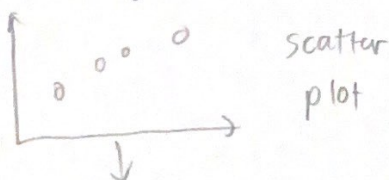
horizontal  
bar  
chart



④ Explanation of data above



⑤



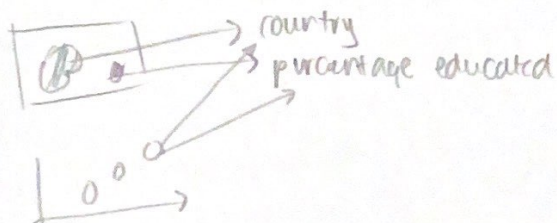
scatter  
plot

⑥

concluding statement

## FOCUS

Main Focus on the Education rates around the world.



TITLE: Education Rates

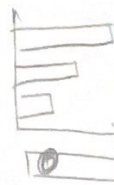
NAME: Chetan Vemuri

Student ID: 33856982

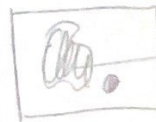
Date: 09/10/25

SHEET: 2

## OPERATION



slider to show  
data over the  
years.



hover to view  
country data.



view data  
at specific  
points.

## DISCUSSION

→ need to sort data from highest to lowest.

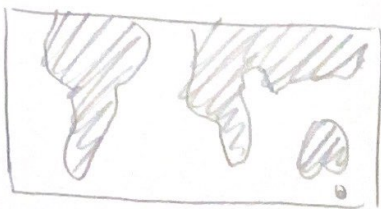
→ need to show yearly progression.

→ hover to show data at specific points.



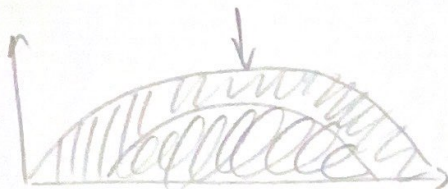
# LAYOUT

①



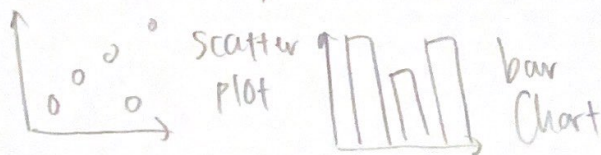
Choropleth map

↓  
Introduction with map.



Area Chart

↓  
Explanation of Data



Scatter Plot

Bar Chart

↓  
Conclusions based on data.

## FOCUS

Main focus on why some countries more educated than others.



→ area chart for comparison between nations.  
Scatter plot shows progressions.

TITLE: Education Rates.

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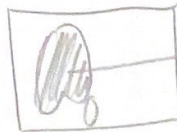
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SHEET: 3

## OPERATION



dropdown to select desired data.



hover to view desired data, select for more info.



Select to reveal internal statistics.

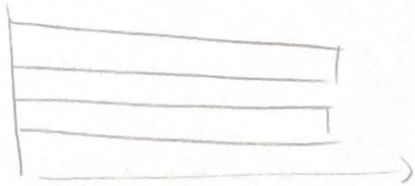
## DISCUSSION

→ data can be mapped onto charts quite simply

→ possibly too simple.

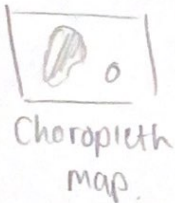
→ learn how to add dropboxes and selection tools.

# LAYOUT



horizontal bar  
Chart

Explanation of Chart / Introduction

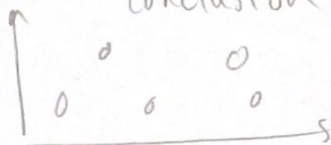


Choropleth  
map.



line  
charts

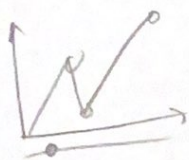
Explain Data/  
conclusion



Scatter plot

## FOCUS

Visualisation will have more  
emphasis on the Statistical over  
time.



slider to show the  
Statistical differences  
as time changes.

TITLE: Education Rates.

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DATE: 10/10/25

SHEET: 4

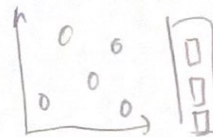
## OPERATIONS



dropdown to  
select desired  
Values.



slider to  
show data  
over time



selection  
menu

## DISCUSSION

- operations give nice variety of interactions.
- might be difficult to implement.
- can be hard to find data for all countries over years.



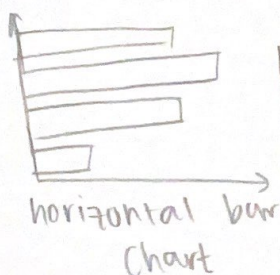
# LAYOUT

Introduction into the overall topic of the visualisation

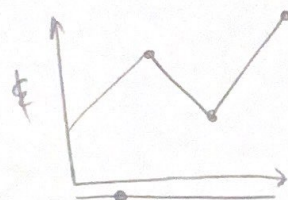


Choropleth of world tertiary education rates.

Explanation of Data



horizontal bar chart



line chart

Explanation of Data



scatter plot

conclusions

## FOCUS

- have sliders to show change in data over time.
- selection menus to highlight data.
- hovering for specific data.

TITLE: Education Rates

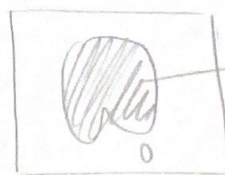
NAME: Chetan Vemuri

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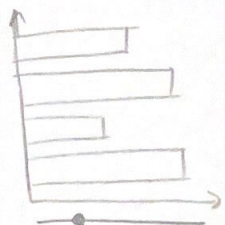
DATE: 10/10/25

SHEET: 5

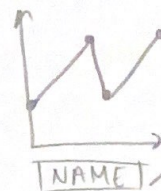
## OPERATION



→ hover for specific details.



slider for yearly changes.



dropdown for selection

## DETAILS

- Ensure that details are all connected.
- Find the relevant data-sets.
- may take 1-2 weeks to implement