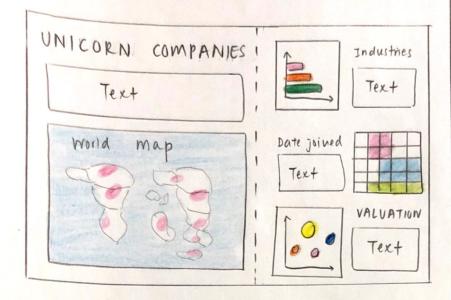
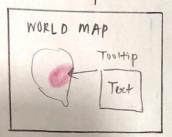


Layout



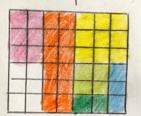
FOCUS

Oworld map



- Show an interesting fact about the selected country in the tooltip - User can zoom in/out

2 Heatmap + Filter



- Add a dropdown box to filter by country or by date for more targetted exploration

DISCUSSIONS

() Advantages

- The landscape tormat
 makes it possible to
 view the whole visualizations
 at unce (mithout scooling)
- clear explanatory text supports easier interpretation of the

3 Disadvantages

- Excessive text might
distract the reader
from the charts themselves
- Adding more visual
elements would enhance
the overall representation
of the topic

TITLE: UNICORN STARTUPS

AUTHOR: OOI HUI XIA

DATE: 18/9/2025

SHEET: 2

TASK: INITIAL DESIGN

OPERATIONS

Interactions:

· Map Selection: Clicking
a country on the map
applies to filter all charts



Effects un Charts:

1 Bar chart



- Highlight only the selected country; other fade out

@ Heatmap

SELECT IN



- Keeps the chusen country coloured; while the rest dimmed

3 Bubble plat

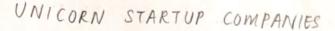


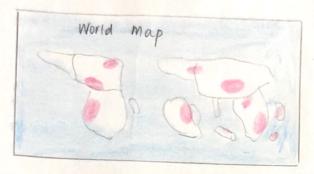
- Update
dynamically
based on the
selected country

- The dashboard is interacti (selecting a country on the map dynamically filters all the charts to show data related to that country)

- This helps user easily compare and understand

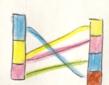
Lawout





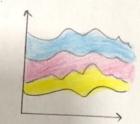
INDUSTRY





VALUATION

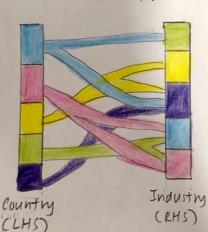
INVESTOR



ONE FIVE SEVENTO FOUR SIX FIGHT

FOCUS

Alluvial Chart:



- Can be limited to

 Top 10 countries with

 the largest number of

 unicorn startups
- Hover interaction can emphasize / darken the chosen country / investor

TITLE: UNICORN STARTUPS

AUTHOR: OOI HUI XIA

DATE: 18/9/2025

SHEET: 3

TASK: ADD FILTER

OPERATIONS

· Selection menu



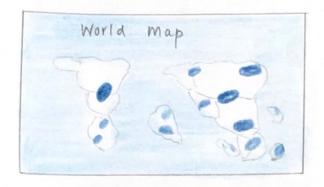
- Provide a drop-down/filteri menu that lets user to apply filters across all charts at once.
- This ensures consistency in what data is being viewed, and make it easier to compare patterns across different visuals.
- · Legend Based Interaction
- option 1 option 2
 - option 3 option 4
- (menu + legend) makes the dashboard more flexible

DISCUSSIONS

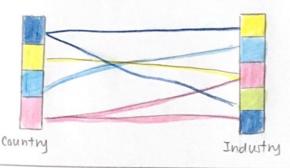
- (Advantages
- This layout makes it possible to add more charts
- Filter and selection features introduce interactivity
- @ Disadrantages
- Word cloud may not provide much insight and could be replaced with other.
- The allunal chart should be placed in the centre

LAYOUT

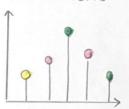
UNICORN STARTUP COMPANIES



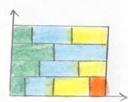
ALLUVIAL - TOP 10 COMPANIES



VALUATIONS

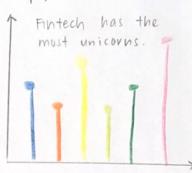


INVESTORS



FOCUS

Lollipop Chart



- · Annotations
- → Add short text notes directly on the chart to highlight key insights
- · Colour usage
- > Emphasize the important category with distinct colour; others in grey

TITLE: UNICORN STARTUPS

AUTHOR: OOI HUI XIA

DATE: 18/9/2025

SHEET: 4

TASK: IMPROVE INTERACTIVITY

OPERATIONS

- · Hover effect
- On allunal and bar chart, the hovered segment becomes darker to emphasize it
- · Legend filtering
 - option (cblue)
 - option 2 (pink)
 - option 3 (yellow)
 - → Selecting a legend item highlights the chosen category while dimming the rest

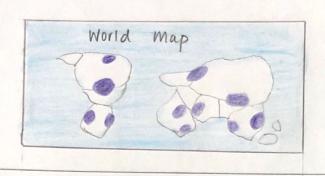
DISCUSSIONS

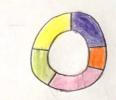
- 1 Advantages
- -) Using divides helps structure the visualization (easier for readers to distinguish)
- → Interactive elements (like hover effects/filters) increase engagement
- Central placement of main charts Cimprove facus)
- > Text annotations add clanty
 - 6 Disadvantages
- I long industry names make legend take up too much space
- > Large legend can reduce readability and clutter the layout

Lawout

UNICORN STARTUPS

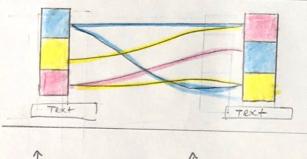
introduction

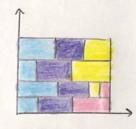






Text

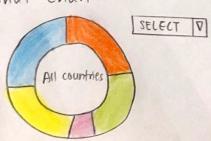






(based on sheet 4)

FOCUS Donut Chart:



- When a country is selected, display the industry breakdown fur that country
- By default, show the overall industry distribution (all countries)

TITLE: UNICORN STARTUPS

AUTHOR: OOI HUI XIA

DATE: 18/9/2025

SHEET: 5

TASK: FINALIZATION DESIGN

OPERATIONS

- 1 Highlight on hover
- @ Show tooltip
- 3 Filter using dapdown menu
- @Add text annotations
- 6) Use legends for selection

DETAILS

- 1 Dataset
- Source: Kaggle (CCSV format, unicorn startups)
- Attributes: company name, valuation, founding date, industry and investor
- @ pata cleaning
 - Need aggregation functions
 - Tools: Excel, Jupyter Notebook
 - Visualisations : Vega-Lite/Vega
- 3) Timeline
 - Data cleaning (3 day)
 - Building charts (6/7 days)
 - Dashboard CHTML+ CSS) > 4 days
- Design (2 day)
- A Make sure to push everything
- to Gittlub after computing
- Deadline: 19/10/2025