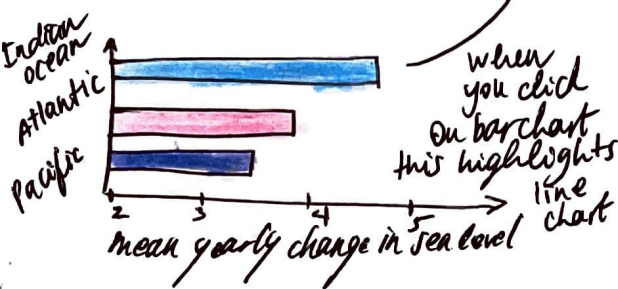
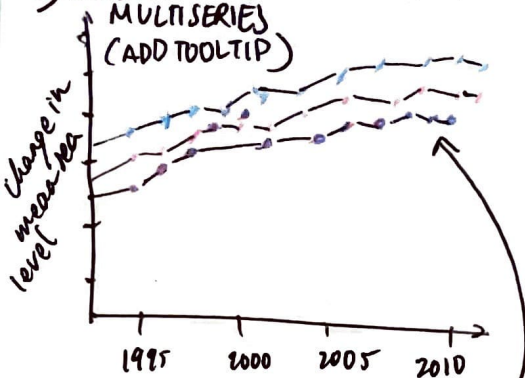


IDEAS ①

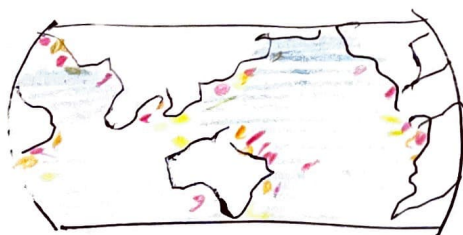
1) LINE CHART WITH BAR CHART
MULTISERIES
(ADD TOOLTIP)



3) bar chart
mean change in temperature

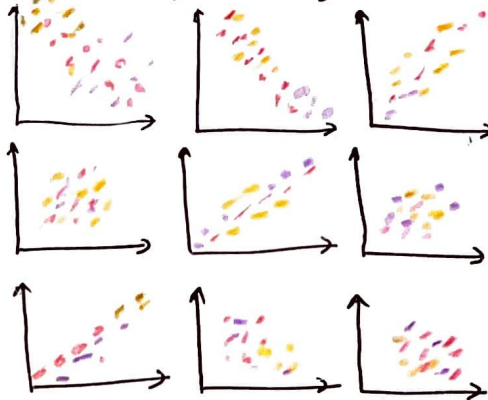


6) MAP

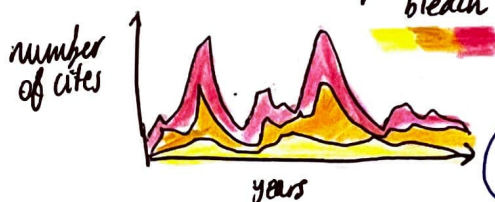


2) scatter plot matrix

→ explore relationship between distance to shore, sea surface temperature, percentage bleaching



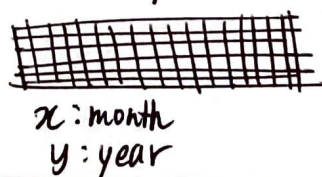
4) Area chart



5) LINE CHART



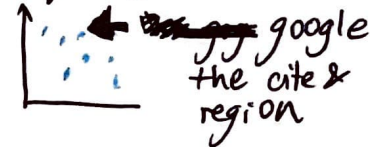
7) Calendar heat map



② FILTER IDEAS

→ Additional scatterplot with the famous cities for research #2

+ interactively that when you click it googles the city/ maybe region.



→ #4

rather than time as x-axis. Could do change in temp vs change in sea level

③ Categorical with coral reefs there are different angles of the story

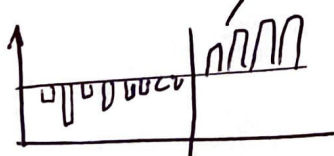
→ climate change
→ exploring seasonal patterns

→ looking at regions

→ looking at research effort

④ COMBINE & REFINES.

* Add interactivity to #3



"Interactive index chart" as inspiration

→ uses different years as a baseline

* Add a rectangular brush to #5



gets a range of time to explore.

#6 have a filter where you can focus on certain areas of the map.

⑤ Questions

→ are the graphs interactive?

→ Is it interesting & engaging?

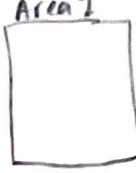
World map



percentage
bleach



Snapshots into areas



line chart to filter time



text

Text

SUBSECTION
CITES & RESEARCH



- ☐ region 1
- ☐ region 2
- ☐ region 3
- ☐ region 4

time

Stream graph

Top research contributions

name
name
name



cites

text

Other Variables/Factors



Annotation

Annotation



Y-axis: coral bleach %

Temperature



baseline year

text

Focus

Other variables panel

→ rather than looking
at temperature explore
more unknown
variables

TITLE: Partitioned Poster

AUTHOR: Victoria Park

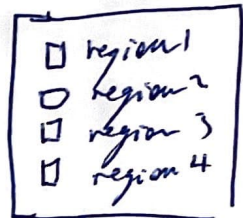
Date: 12/10/2025

Task: multiband visualization

Description: Variety of
graphs

Components / operations
Panel:

Interactive legend



clicking highlights
the areas for clarity
& interactivity

Line chart



→ this acts as a filter
of the time.

Discussion

Advantages

→ Variety of text &
visualisation

Disadvantage

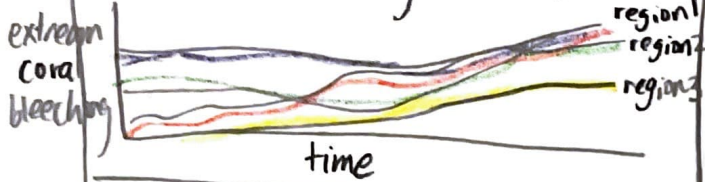
→ No annotations
on graphs.

CORAL REEFS

INTRO TEXT

IMAGE

Coral bleaching across region



TEXT

PIECHART



LEGEND

Ocean 1
Ocean 2
Ocean 3

CAPTION

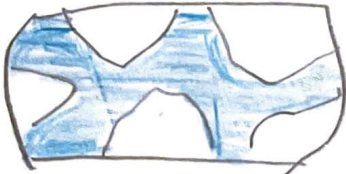
OCEAN TEMPERATURE
OVER TIME



FILTER: OCEAN ▾

TEXT NARRATIVE

WORD FOCUS



AUSTRALIA FOCUS

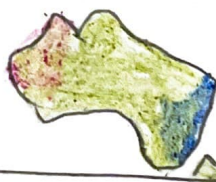


Table: Dashboard Data

AUTHOR: Victoria Label

Date: 19/10/2025

Task: Dashboard Visualization

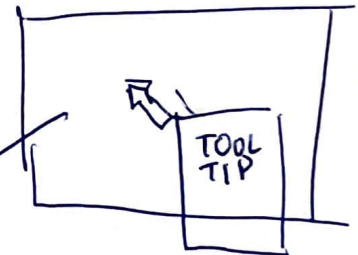
Description: FOCUS ON REGION

COMPONENT / OPERATIONAL
PANEL

FILTER

select
the ocean you
want to focus
on

Choropleth map.



have
a tooltip
to learn
more
details

Discussion

Advantages

→ has a clear niche &
purpose about
regional focus

Disadvantages

→ get repetitive
→ contains basic visuals,
low interactivity

FOCUS: REGIONS

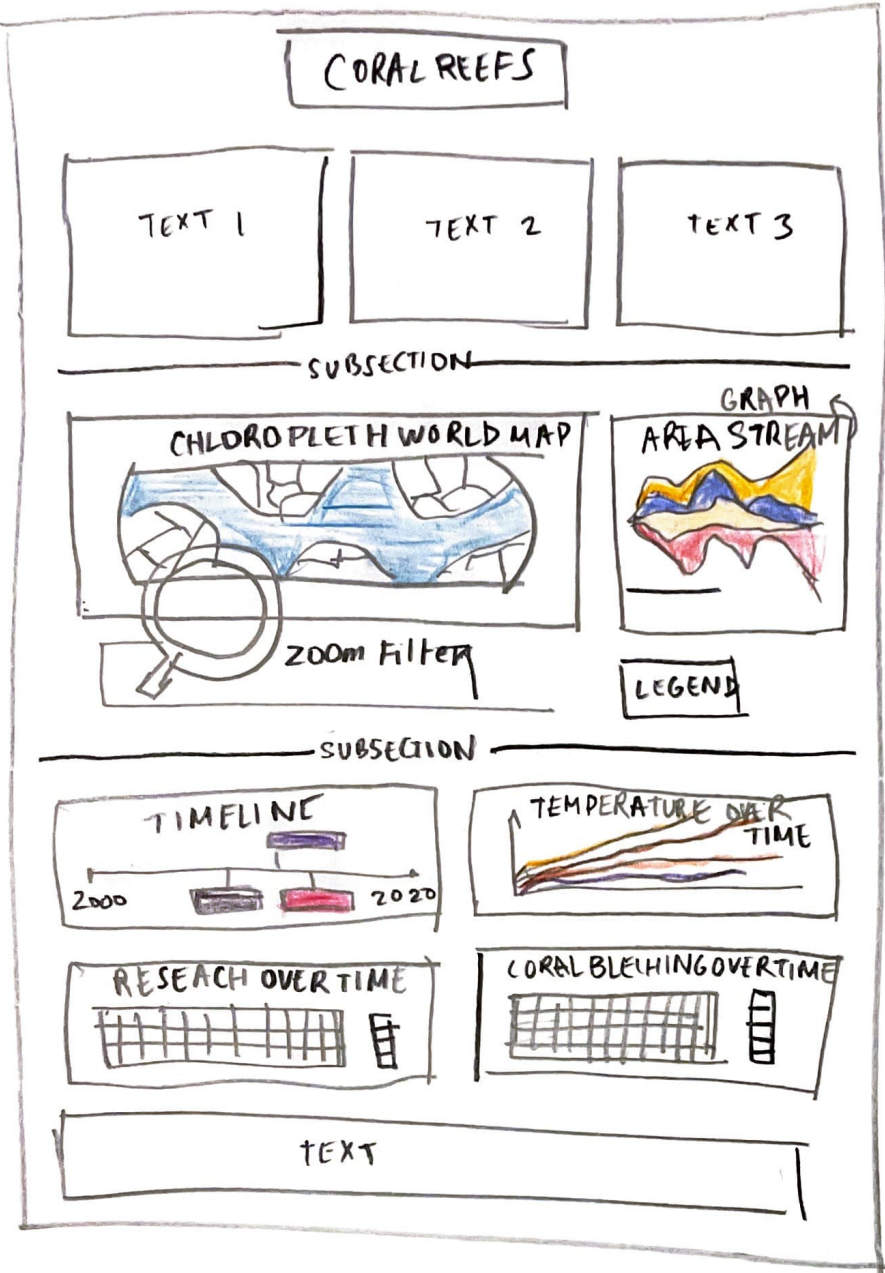
→ there are two maps

① overview of the world map

② more focused.

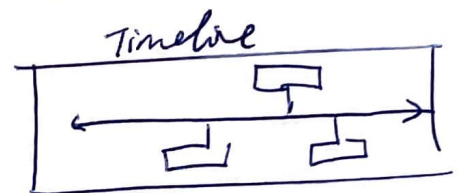
this makes it easier to process information.

→ may benefit from having this at the
top of a dashboard.



TITLE: Patented Poster
 Author: vishva Patel
 Date: 12/10/2025
 Description: creating
 clear subdivision
 of ideas.

OPERATIONS /
 COMPONENTS



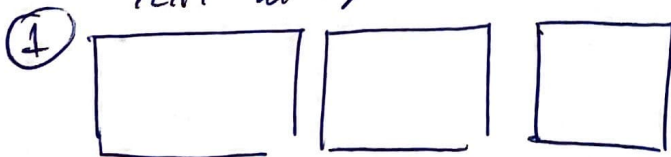
include google
Search feature
 so when you click
 on something you are
 interested you can
 learn more
 instantly

DISCUSSION.

Advantages
 → clear format
 → symetweal / balanced
Disadvantages
 → unable to have text
 to create smooth
 narrative.

FOCUS

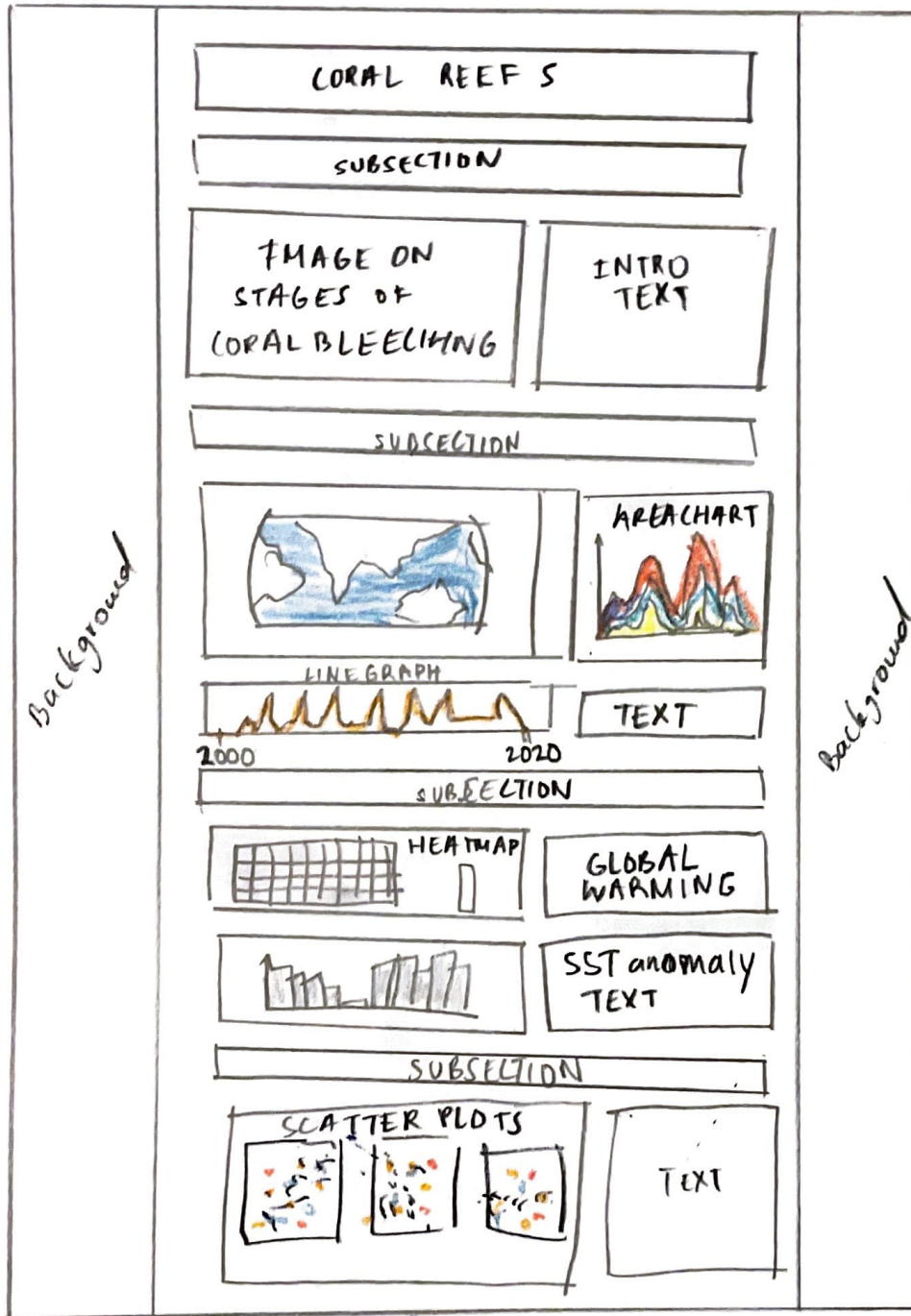
TEXT at top.



Introduces the story first in digestible
 pieces. You are not reading paragraphs.

② chloropleth map

→ visually striking
 → ~~zoom~~ zoom filter allows for detail
 exploration.



SHEET 5

NAME: Vishva Patel

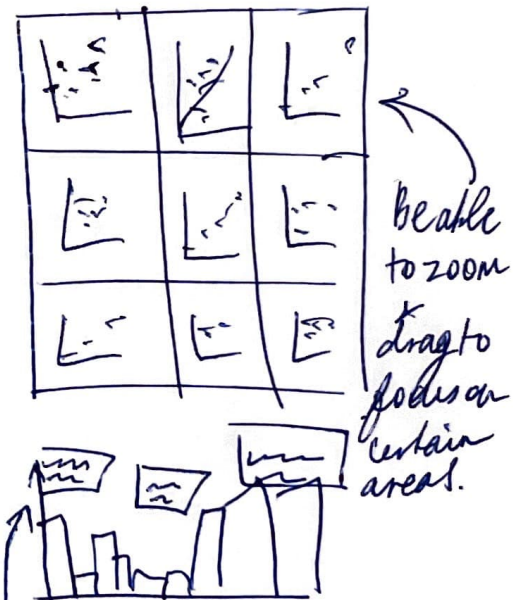
DATE: 19/10/2025

Topic: coral bleaching

Description:

Are you looking ~~to~~ to learn about coral reefs & how they are affected by coral bleaching? → this is for you!

OPERATIONS / COMPONENTS



have annotation for story building

FOCUS: PART I
creating a solid narrative.

Essence to guide the user through
→ how coral bleaching works
→ regional & temporal patterns
→ temperatures effect on bleaching
→ other factors effect on bleaching
→ conclusion

time/cost estimate:
20 hours start to finish
4-5 hours per week

details

→ Data: climate data. int

& bco demo.org

→ precalculation: creating bins for bleaching severity

→ dependencies: javascript, Vega lite, HTML