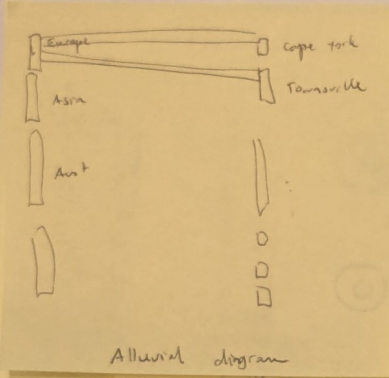
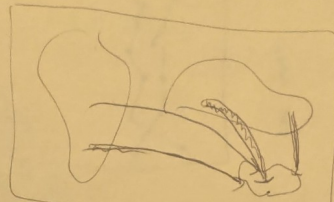


Ideas, filter, categories

Sheet 1 Rebecca Young 24/9/25



Map: where tourists are from



overview of the area

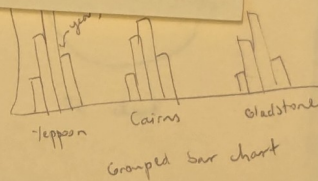
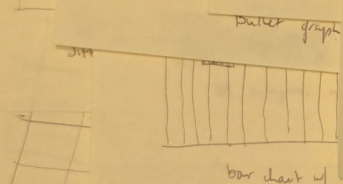
feelings about area

threats

tourism

mining

climate change



100% stacked bar chart

Heat map

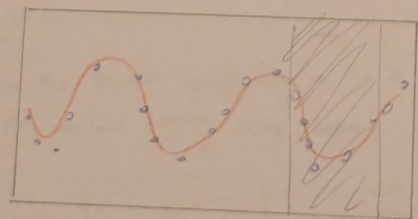
fish coral beautiful drug tourists

Bar chart

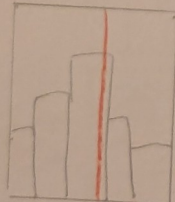
Heat map

idea per sticky note
similar ideas stacked

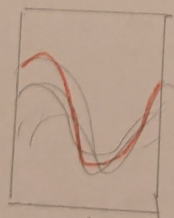
Combine + Refine:



drag to zoom in on specific years.



distribution of temps in selected range



zoom in and filter

temp of selected year

Questions:

How do GBR residents feel about certain threats?

Is there a relationship between how a region feels about a threat, and jobs in that region?

How to fit conversations + charts about climate change (a huge existential threat to the reef) in with tourism + mining?

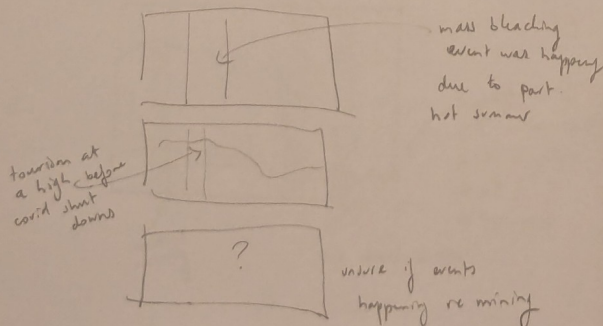
Title: Tension of the Great Barrier Reef.

Tensions of the Great Barrier Reef



Part 2 / Focus

What was the tensions specifically in 2017.
(when the resident survey was taken)



Sheet 2

Rebecca Young

"Tensions of the GBR"

Focus is on 2017 survey

29/9/25

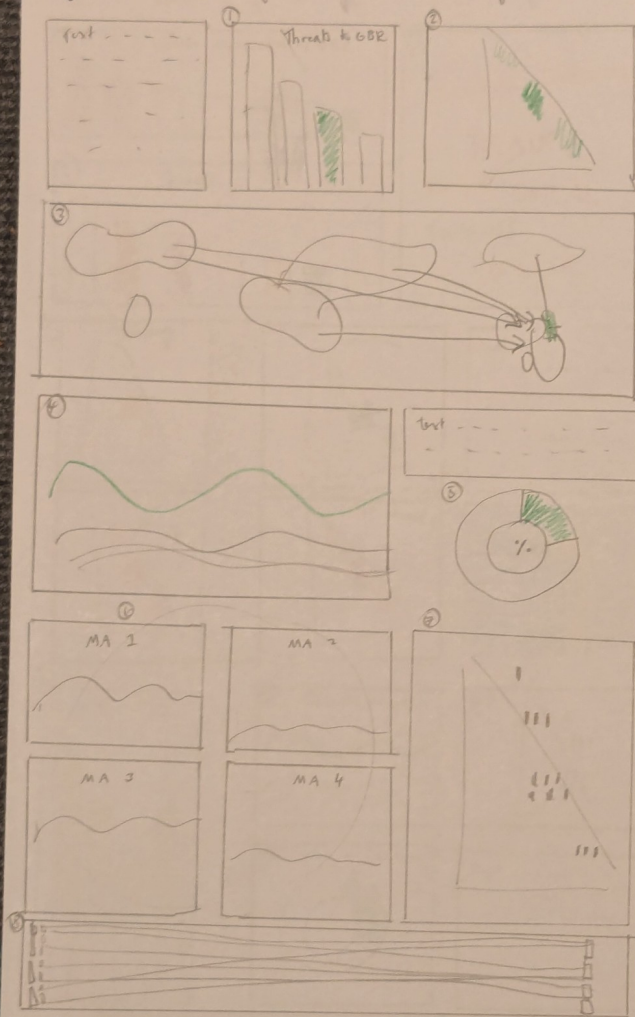
Components / operations

- ① population density map of NRM's
- ② heat map of how often residents go to GBR
- ③ histogram of residents attitudes to GBR
- ④ word map of words residents use for GBR
- ⑤ choropleth of att. to climate change
- ⑥ water temp in GBR Marine park over time
- ⑦ choropleth of att. to tourism
- ⑧ tourist numbers to GBR over time
- ⑨ choropleth of att. to mining
- ⑩ mining income in GBR Region over time

Pro & Cons

- cohesive narrative (pro)
- does not put importance of tourism + mining to the region in context, just shows that the straight numbers (con)

Layout Tensions of the Great Barrier Reef



Sheet 3

Rebecca Young

"Tensions of the GBR"

Focus is on tourism

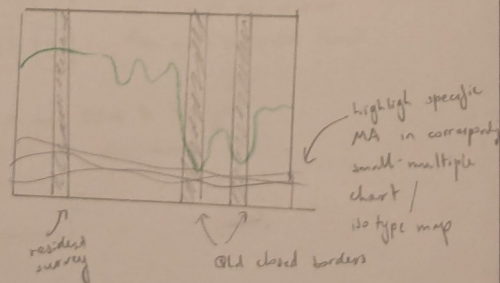
29/9/25

Components / Operations

- ① bar chart of what residents think are threats
- ② choropleth of att. to tourists
- ③ Origin-destination flow map for tourists to GBR
- ④ line chart of tourist numbers over years
- ⑤ pie chart of % jobs in tourism
- ⑥ multiples showing tourists in each MA
- ⑦ isotype map of tourist numbers
- ⑧ chord diagram of tourist origin to destination

Parti / Focus

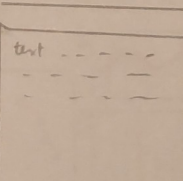
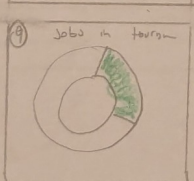
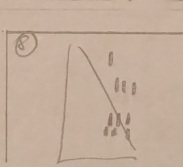
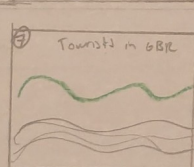
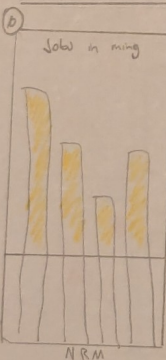
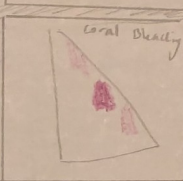
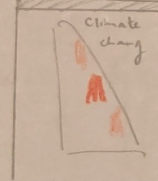
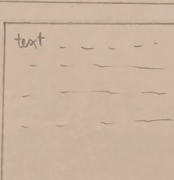
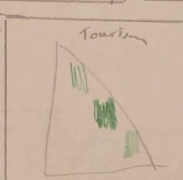
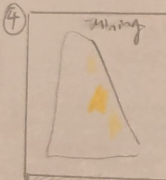
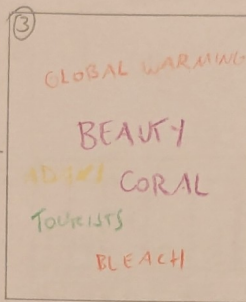
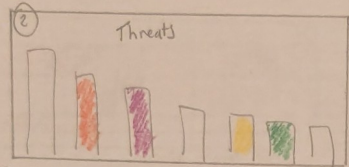
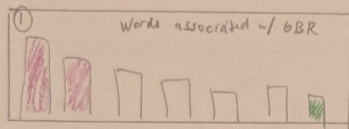
Tourism is very important to GBR Region, but residents perceive tourists as a threat to the reef.



Pro & Cons

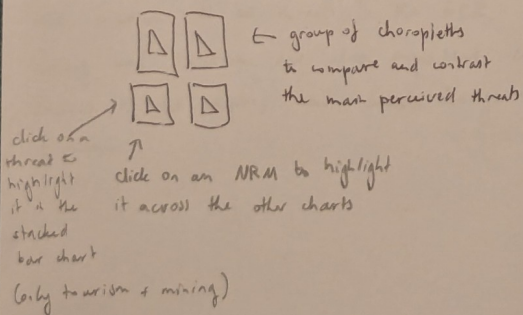
- cohesive narrative (pro)
- ignores mining + climate change (con)
- unsure if origin-destination flow map / chord diagram can be implemented in vegalite

Tensions of the Great Barrier Reef



Parts / Focus

what do residents see as threats?



Rebecca Young

"Tensions of the GBR"

Focus is on threats and jobs

29/9/25

Components / Operations

- ① bar chart of words residents associate w/ GBR
- ② bar chart of what residents think are threats
- ③ word map of words residents use for GBR
- ④ 4x choropleths showing attitudes to threats
- ⑤ stacked bar chart of % jobs by type
- ⑥ bar chart of % jobs in mining by NRM
- ⑦ line chart of tourist numbers in GBR
- ⑧ isotype map of tourist numbers
- ⑨ pie chart of % jobs in tourism

Pro / Cons

- pro: like the group of 4 choropleths, show how attitudes correlate
- con: climate change + bleaching are top threats that are ignored in rest of visualisation; only tourism + mining get follow up.

Tensions of the Great Barrier Reef



Rebecca Young

"Tensions of the Great Barrier Reef"

29/9/25

Components / Operators

- ① world map locating GBR
- ② population density map of NRM
- ③ heat map of how the residents' go to GBR
- ④ histogram of residents' attitudes to GBR
- ⑤ word map of words residents use for GBR
- ⑥ bar chart of what residents think are threats to GBR
- ⑦ linked → jobs against population
⑧ → breaks down of jobs
- ⑨ choropleth of att. to mining
- ⑩ bar chart of % jobs in mining by NRM
- ⑪ choropleth of att. to tourism
- ⑫ line chart of tourist numbers in GBR
- ⑬ dottype map of tourist numbers
- ⑭ choropleth of att. to climate change
- ⑮ scatterplot of water temps over time
- ⑯ line chart of temps for different years
- ⑰ histogram of temps

Parti / Focus

The residents of the GBR think climate change, mining, and tourism to be threats to the GBR, but mining and tourism are also important economic drivers of the region, and climate change is a global problem.

Details

- a few hours to clean data now that I know what I want from it
- two days to make charts
- one day for layout, fonts, colours
- learn how to make iso type maps in vega like
- play around with grids for CSS