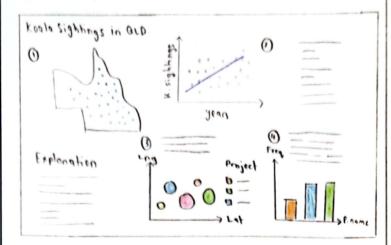


## Big Picture / Layout



- Oot density map
- shows the locations of koala sightings ( and possibly compare locations of injured hoalas)
- 3 Bubble chart
- Allows utilisation of more than 2 attributes in the chart
- Packs a lot of information

( Bar chart

- Simple idiom to visualise the scale of each conservation Project

sightings

1 scatterplot

time

- visualise the number

of hoala sightings

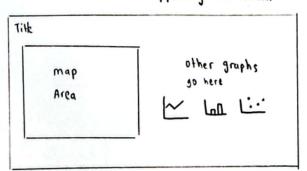
- individual points ran

show the density of

across a period of

#### Parti / Focus

- All graphs are visible at first glance and displayed within a small vicinity of each other
- (altegorical data is more prevalent in the graphs comapred to gruntitative data
- As required, a map visualisation is implemented and becomes
  the main focus of the infographic, while the other charts
  provide more context and supporting information



Sheet 2.3.4

Name Thanishwar Jonarthan Date 14/1/14

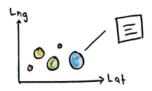
Title Oesign Idea 1

Description

Designing an infographic in the style of a parktioned poster

Components / Operations

- -> tokentially create a filter using the bubble chart which filter the keala roints on the map and information on the other chart
- -> Implement tooltips for bubble charts to show details of multiple attributes
  - \* toolhips are activated on hover



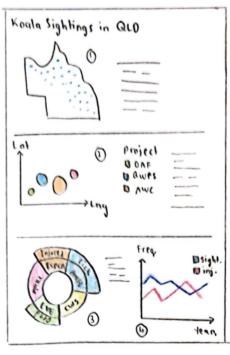
#### Pro & Cons

### Advantages:

- Easy to present graph in a single large format web rage
- Charts can easily be compared as they are located in close vicinity of each other
- Accessible for readers as no actions are needed for navigation

# Disadvantages ;

- charts may be too small as they are placed close to each other on the same page
- If multiple descriptions are included, it might get to cluthered because if a lock of white space
- Hard to annotate graphs as it may overlop with other charts
- No independent sections for deeper analysis



- Either pick be tween a det density map or heat map to show keala locations
- (2) Bubble chart
  visualises more than
  2 altributes with
  the size representing
  heala sightings
  and colour for
  conservation projects
- 3 (ould potentially use a sunburst diagram to visualise hadla fates and the linked hospitals
- ⊕ multiple line charts can show trends in keela sightings and injury over time

#### Parti / Focus

- scrollable website allows each graph to have its own focus by putting them in different sections
- The map is placed in the first section as it is the main tocus of the visualisation
- The sunburst chart helps to visualise the supporting dataset about keepla injuries by linking heala fates to respective hospitals
- colours in the sunburst chart should be consistent with similar attributes in the visualisation

section 1
(map)

Section 2
(bubble chart)

U
etc...

-> scrollability and hierarchy
of graphs show impostance
of information

Sheet 2,3,4
Name Thanishwar Janasthan
Date 25/9/24

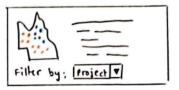
Title Design Idea 1

Description

Designing an infographic in the style of a scrollable story telling website

Components / Operations

- Adding a filler on the first section con the map) can help usen filter late across the page \* consequent sections will only show fitered data



- Splitting the sunburst chart and line charts into individual sections for a more indepth analysis
- Adding tooltips for the bubble chart to show readen information about multiple attributes

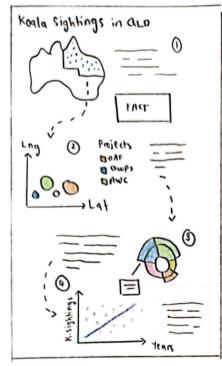
### Pro & Cons

## Advantages:

- sections are more defined with opportunities for Leeper analysis of each idiom with more space
- Better use of white space
- More sections can be added if needed
- visually arreding with bigger charts in each section

# Disadvantages;

- might have too much white space if only one chart is used per section
- Difficult to compare charts because they are spread further apart
- Harder to identify specific data if filters are not implemented

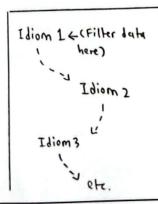


3) Sunburt diagram similar to the previous design idea with elaboration on koala faks and injuny data

- ( A full map of Australia which focuses on the koola locations in avecasland
- D Bubble chart is
  the nixt link which
  visualises more than
  2 attributes
  -size for freq. of
  koala sightings
   colour for conservation
  projects
  - A scatterplot to visualise the relationship between koala sightings and fatalities

### Parti / Focus

- Possibility to create the visualisation using multiple sections or on a single large webpage to showcase the flowchast
- Focus on the map idiom as the first visualisation and readers can manigate following the arrows to other supporting visualisations
- Focus on interactive elements to help guide readers through different sections ( rould maybe make the arrows interactive)



Flowcharts provide

-> a clear flow of
information that is
being presented

\* helps readers understand the link between sections Sheet 2,3,4 Name Thanishwar Janasthan Date 25/9/24

Title Occign Idea 3

Description

Designing a flowchart to present visualisations in a sequential order

Components / Operations

- Adding a feature to zoom in on the map so that readers can have better visibility on the hoald locations



- create a filter using the bubble chart or add a doupdown filter on the map to view specific LGAs in Queensland
- Add tooltips on the sunburst chart and bubble chart to provide info about related attributes
- If the idioms have their own sections instead of a single page, amove can be used maden navigate to different sections

Pro & Cons

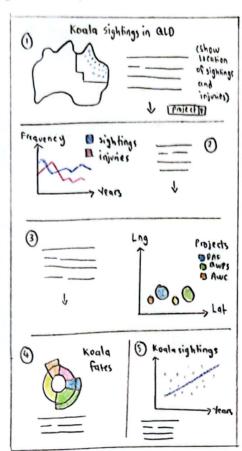
## Advantages:

- Flowchart lesign provides clear sequence / hierarchy of idioms on the web page
- Easier for realers to navigate with the presence of arrows
- can be implemented on a single page website (static) or scrolling website

# Disadvantages!

- Design might be harder to implement using
- The layout/alignment of charts are slightly inconsistent come on the night and others on the left?
- Accessibility challenges as users need a lot of visual ever to understand a flow map
- unfamiliarly in the format of flowehork

## Big Picture / Layout



- similar implementation of the map in design 3
- The multiple line chart can be used to show trends in hoold sightings and injuries as shown on the map
- The bubble chart visualizes the effectiveness of conservation projects
- (1) The sumburst
  liagram visualises
  the fales of Usalas
  and can be related to
  the bubble chair to
  measure effectiveness of
  project
- 1 The scatter plot can be used to find potential correlations in data

#### Parti / Focus

- The main focus of this design is the map like all the prisons designs
- The other charts are arranged in an order which presents information in a continuous flow:

Locations -> Trends over years -> (Onservation -> fates

- Scatterplot is grouped with the sunburst chart to find any correlations / relationships between the houle sightings and injuries
- Potentially include interactive navigation buttons that bring readers to the idioms in sequential order while also maintaining scrollability
- Emphasis on descriptive text for each section to provide a detailed analysis on each idiom

# Summary of design .

Combination of elements in lesign 2 and 3 (similable webpage with flowings style of information presentation)

Sheet 5
Name Thanishwar Janarthan
Date 25/9/24
Title Final Design Sheet
Description

Finalise the design and layout of the website

### Components / Operations

- map zoom feature to enlarge the map and focus on the aveensland area where all the late is located
- Include the filter for projects from lesign 2 to filter hoals sightings and other lata what he a specific project





- Tooltips / hover animations to elaborate on extra attributes and show valves at a specific point on a chart
- Interactive legends to highlight specific information on a graph while being viewed

### Details

Visualisation build schedule:

- -> 2-3 days to filter/clean through datasets
- -7 1-2 days to build the himl web page
- -7 4-6 days to create charts and write descriptions for supporting and relevant info
  - I day for map
  - I day for line chart and scatterplot
  - I day for bubble chart
  - 2 days for sun burst chart
- -> 2 days for extra additions cargo animations, adjusting styles? and refinements

## Specific requirements:

- visible colour palette caccomodate resple with vision impairments
- must include a map visualisation
- Github hosting for completed web page