

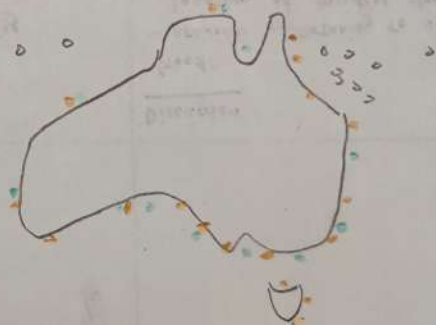
Sheet 1

Idea

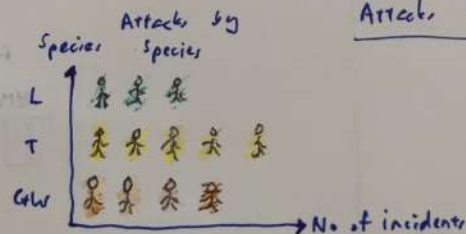
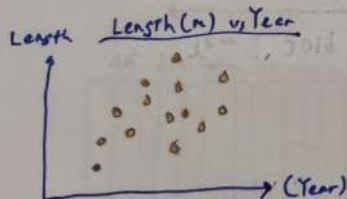
Shark Attacks

- Month
- Year
- Shark common name
- Shark length (m)
- State
- Injury

Attacks by month



Attacks by Year



Filter

- ~~Length~~ Shark Length over time (Year)
not very consistent, length varies on lots of factors
- Display years & state together?
- Some species only have 1 incident (lemon shark) vs many (lemon white, Tiger, Bull) - pictogram scaling may not work
- Stacked bar chart to display states within another column? (e.g. Injury, Shark species, Year)
- Dataset has many holes

Categorize

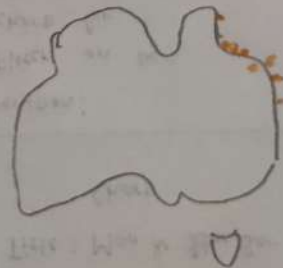
Nominal:

- Incident-Month
- Shark-Common Name
- ~~Incident-Year~~
- State
- Victim-Injury

Quantitative:

- ~~Year~~
- Incident-Year
- Shark-Length-m

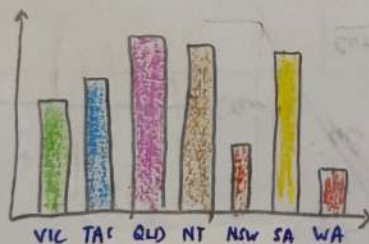
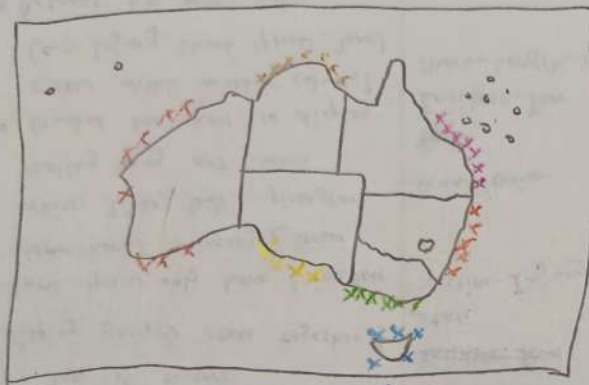
Combine + Refine



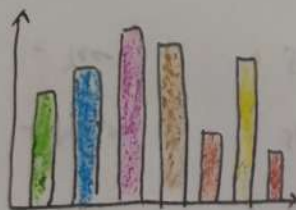
Year: ☐

Injury: ☐

State: ☐

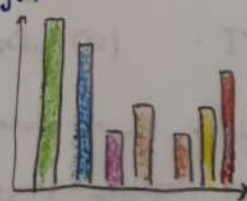


Year: 2019



Year: 2019

Value change according to year



Year: 2021

Sheet 2

Name: Kendrick Lee

Date: 27-9-24

Task: Visualize Shark
Attack across
Australia by State

Title: Map & Bar
Chart

Operation:

- Filters on both charts for viewers to see the location & the count of incidents in a year
- Selecting specific year will return selected year

Discussion

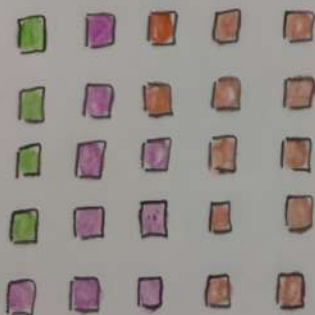
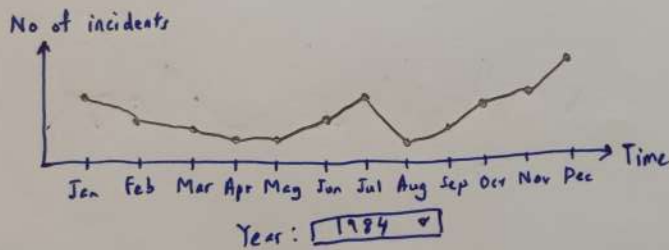
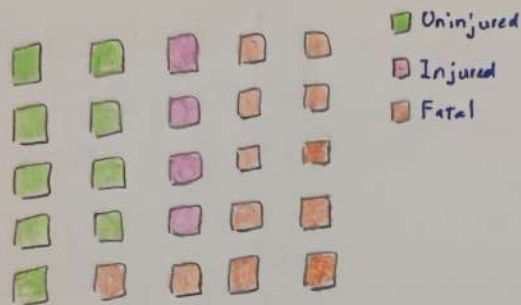
Good:

- provides opportunity to view location of incident along with the incident count

Bad:

- Too many colours, harder to visualize other variables

Victim Injury ~~By~~ Over Time



Different year
will show
different values
for months



Sheet 3

Name: Kendrick Lee

Date: 30-9-24

Task: Visualize incident
type by month
with year

Title: Waffle & Line
Chart

Operation:

Selecting a year
will reveal shark
attacks on a
monthly level

Discussion:

Good:

- Alternative for
visualizing percentage
groups in pie charts

Bad:

- Does not work for
numbers with .33%
percentage
- Tiny dataset

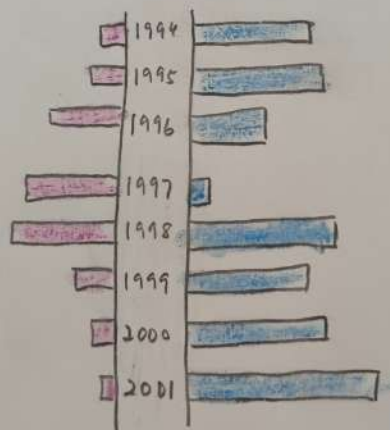
Injury Status By Gender



● Male
● Female

Injury: Fatal

Gender by Year
Injury Status



● Male
● Female

Sheet 4

Name: Kendrick Lee

Date: 1-10-24

Task: View Injury
Status by Gender
& Year

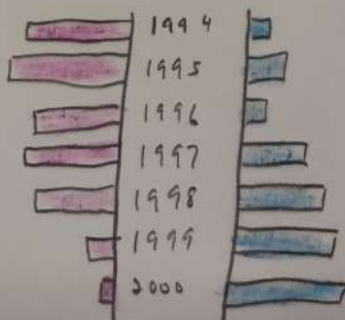
Title: Pie Chart &
Population Pyramid

Operation:

Select an injury
status to view
gender breakdown
and incidents over
time



Injury: Injured



Discussion:

Good:

Provides in-depth
visualization of info

Bad:

Unable to view
age groups

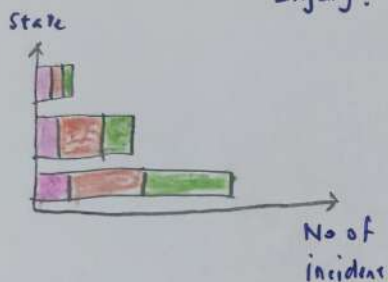


Year:

State:

Injury:

% of Incidents Injury



Sheet 5

Name: Kendrick Lee

Date: 2-10-24

Title: Shark Attacks
Across Australia

Task: Visualize shark
attacks by year, species
& state

Operation

- Drag slider to see
specific year

- Dropdown to select
state

- Hover to view
tooltip

Details:

- Percentage needs
to be converted

- Vega-lite will
suffice

- Estimate 2
weeks to build

Year:

State:

NSW
VIC
TAS
SA
WA
NT

Injury:

Fatal

Injured

Uninjured