

1 IDEAS

Map

- └ Victoria
- └ Chlorophth
- └ Camera locations - dot form
Line chart

- └ Number of fines per year
- └ Revenue??

Bar chart

- └ Reason of cameras
- └ Area of camera placed

Scatter plot

- └ fine amount vs year
- └ Speed limit of road vs number
of fine

Data Sets

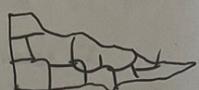
- Number of infringements per year
- Camera selections
- Number of fines per suburb
- Amount of money made from fine

4 Combine & Refine

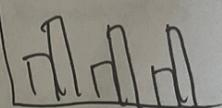
- Trends will be line charts
- Maps will chlorophth
- bar charts will be used to
compare different fine
- Maybe a pie chart
- Area chart ??

2 Filter

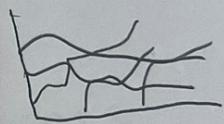
Map of Vic



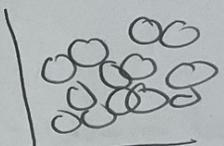
bar chart



Stacked line
graph

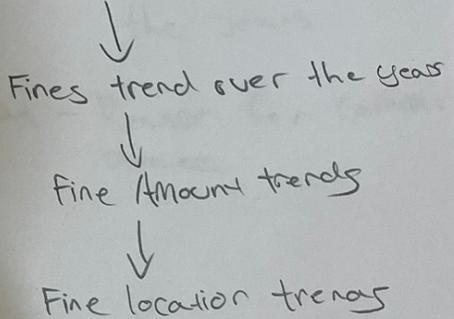


Scatter plot



3 Categorise

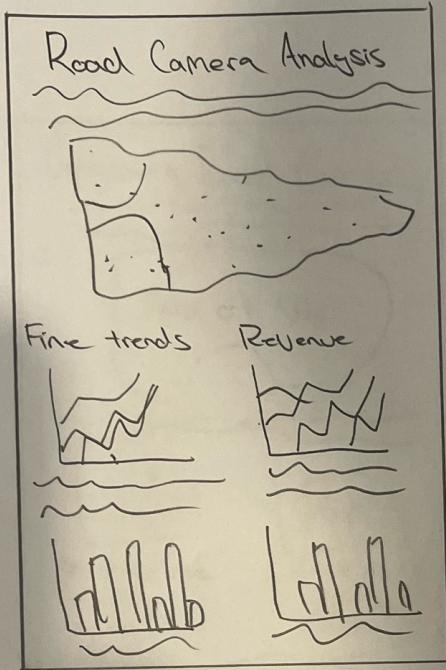
Camera location



5 Questions

1. Is the visualisation feasible?
2. Cleaning the data?
3. enough data available?
4. Australia or Victoria

1 Layout



Title: Road Camera Analysis

Author: Joshua Chen

Date: 10/10/2024

Sheet: 2

Task: Fit3179 Assignment 2

Operations

Chloropleth Map - Camera location

Line chart - Fines trends over the years

- Fine revenue over the years

Bar chart - Reason for camera placed

Focus

The chloropleth is the main focus showing locations of cameras

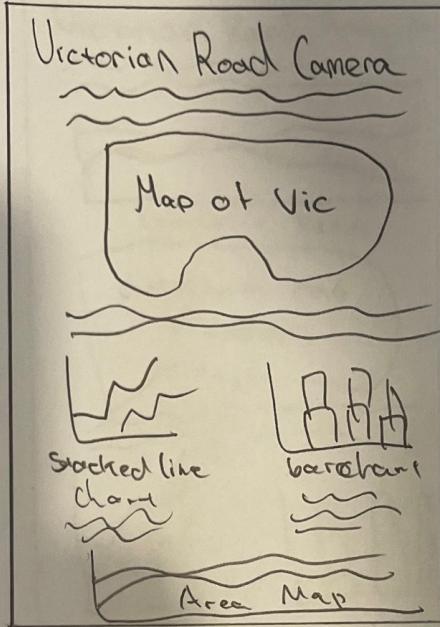
Discussion

- File size problem?

- Reduce the area?

- Keep to Metro Melbourne?

Layout



Title: Victoria Road Camera
Author: ^{Analyses} Joshua Chen

Date: 10/10/2024

Sheet: 3

Task: Fit 3179 Assignment 2

Operations

Grouped bar chart

↳ Compare camera type

Choropleth Map

↳ Compare Camera location

Line chart

↳ Compare cumulative change

Focus

Choropleth Map

↳ Main Focus

↳ Tool tip

↳ Zoom ↑

↳ What area?

Discussion

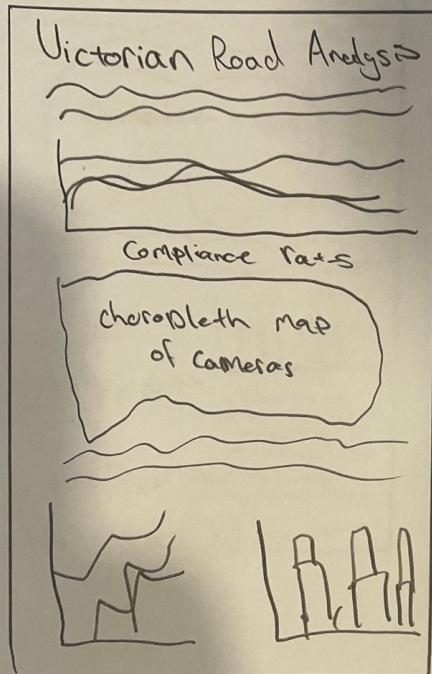
↳ enough idoins?

↳ this layout appealing?

↳ feasible with dataset?

↳ Find More data

Layout



Title: Victorian Road Cameras

Author: Joshua Chen

Date: 10/10/2024

Sheet: 4

Task: Fixing Assignment 2

Operations

Tool tips - Map

- └ Camera location
- └ Camera Count
- └ Local Suburb

Filter the layers of the map

Area chart

- └ Two distinct colours
- └ filter by year

Focus

Choropleth Map & Area chart

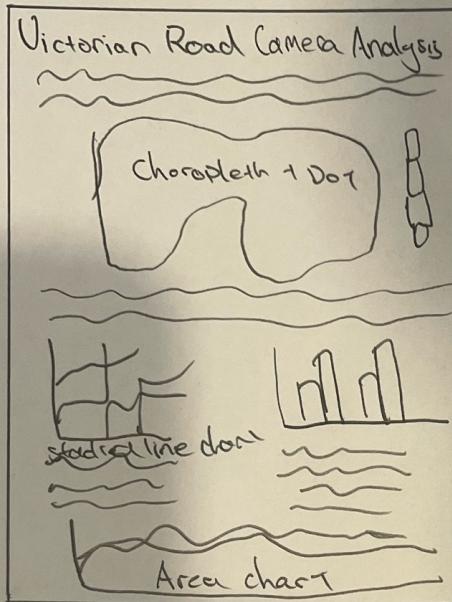
- └ Both should be interactive
- └ Good colour choice
- └ Implement tool tips

Discussion

- Is it easy to follow?
- Storytelling?
- What typography should I use?
- What tool tips

Layout

Idea based from sheet 3



Title: Victorian Road Safety Camera trends
and analysis

Author: Joshua Chen

Date: 10/10/2021

Sheet: 5

Task: Fitting Assignment 2

Operations

Choropleth Map + Dot Map

- └ Filter of each one
- └ Only show Dot / choropleth
- └ Green / Red contrast

Stacked Line chart

- └ Filter by major roads

Area chart

- └ Filter by year

Scatter Plot

- └ Filter by camera type

Focus

Choropleth + Dot Map

- └ Will take longer
- └ Two different layers
- └ Filter on the bottom
- └ Green colour gradient
- └ Red dots for camera location

Detail

- Using CSV files
- Map of Metro-Melbo, Victoria area is too big!
- Custom CSS
- Pure CSS and grid line
- Interactivity implement