

Title: Traffic Infringement

Author: Brian Nge Jing Hong

Date: 13/9/2024

Sheet: 02

Task: Dashboard View

OPERATION



FOCUS

- The map shout the quantitative attribute so viewers know how much the difference is between states
- > The dashboard view focuses on simplifying the information for viewers.
- > The line chart shows the change in number of offences between different states.
- > The treemap and pie chart issualises the different categories.



MAIN > This slide show view puts the map as the centre of affection

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Advantages

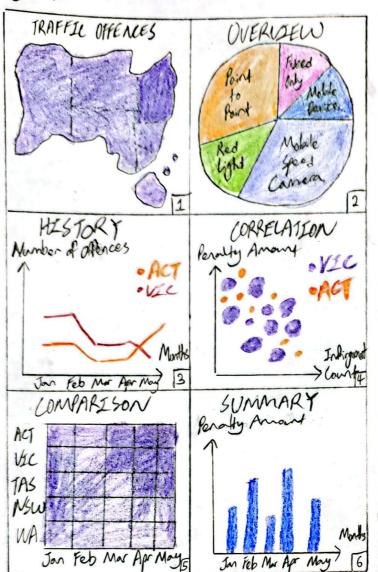
> Easy to use and pracides a good overall summary about all the traffic infringements.

> Allow viewers to easily understand and see a pattern of traffic indingements in ACT.

Disordiantages

- > If difference between different states is low, they may look the same size in the pie chart.
- > The treemap night look too dustered if there are too many categories.

LAYOUT



Title: Traffic Infringement Author: Brian Nge Jing Hong Date: 13/9/2024 Sheet: 03

Task: Partitioned Poster Visualisation

OPERATION Penalty Amount -> Interactive bubble dart (hovering over bubble displays State: VIC information Numbor: 20,000 about that Infirgement state)

fixed > Interactive lie chart

birt onymble which displays the

different infringement

contegories when

howeving over the

light when traffic arrow red chart

when traffic arrow red chart when traffic light red chart

FOCUS

> Bubbole chart focuses on giving a correlation between the penalty amount and infringement court, along with the number at each point. Brally Amount



-> The treemap focuses or showing the comparison between each States and months. The Colour saturation would show the viewers a surrary of the states and their numbers.

015CUSSION

Advantages

> Easy to view the partitioned poster and follow along.

> This partitioned poster is structured and presents important visualisation at the top with more detailed at the bottom.

Visadvantages

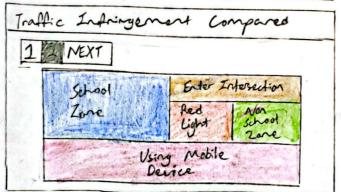
> Difficult to umbine all partitions to I page. Thre lack of white space due to the number of visualisations makes it harder for viewers to understand at first glance.

of The difference in the pie chart segments night be difficult for readers to understand.

LAYOUT

Traffic Infringement in Australian Capital Territory Australian Capital Territory (ACT) Comprises of Conserra, the national and territorial capital and swounding land.





FOCUS

- > The page buttons fours on allowing user to move between pages.
- > The map shows quartitative attributes. The darker shade means that there are more traffic infringements from vehicles belonging to that state.
- > different colour hue is used for the treemap to show the difference to viewers to inderstand more easily.
- 7 Colour should be chosen visely so that it is easier for viewers to understand at first glance.

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Task: Slide Show Visualisation

OPERATION

Clicking the buttors 2 NEXT snitches the dide show to next page





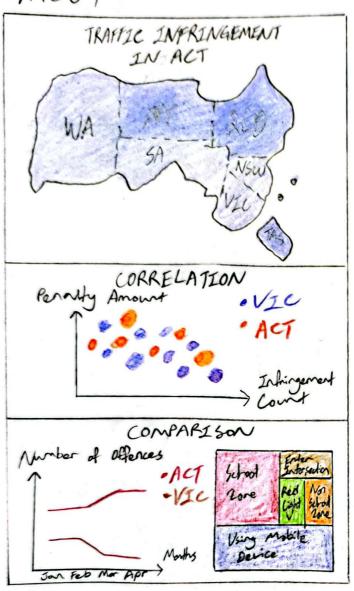
Hovering over the different cotegory highlights and displays details about that category

DISCUSSION

Advantages

- 7 Slide show visualisation allows the presentation of data to be more engaging and easily understandable.
- > The page buttons allow easy ravigation.
- 7 Vitterent colour hure improves reddily ();sadvantages
- > If there are too many it would be really difficult for readers to understand.
- > If the numbers for different categories are similar, treemap night not be suitable.

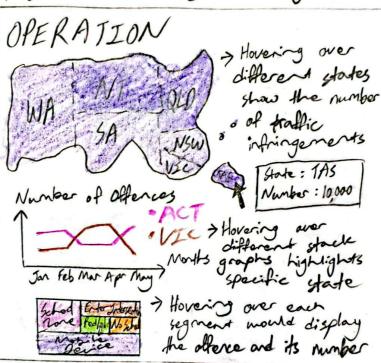
LAYOUT



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Sheet: 05

Task: Final Layout Design



FOCUS

> The map would display the most information (main visualisation). It displays where the vehicle involved in an offence in ACT is from.

The bubble chart would show the correlation with the 2 quantitative affributes (penalty amount & infringement court)

The grouping of charts in comparison section makes it easier for users to analyse, compare the trends and correlations.

DETAIL

Dependencies: Vegalite for data
visualisation. Dataset
is imported in the
form of USV. HTML,
USS and Javaserjot
are used to create

the website.

> Estimated Time: Estimated of 3

and Effort days to build all

idioms and design

with 1 day to finalise

for 1 st section

17 2 day for 2nd section 7 2 day for 3nd section 7 2 day for 3nd section 7 2 day for 3nd section 7 day for 3nd section 6 distraction (adjustable for mobile). Site must be deployed on Github.