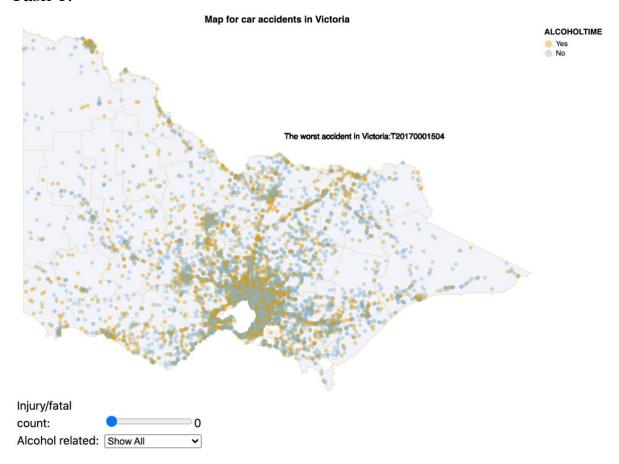FIT3179 Homework for week 10
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08, Karina

Task 1.

Task 2 URL.
https://corner-in-clouds.github.io/wk-10-hw/

I've changed the topojson file to decrease the loading time. I've also changed the colour encoding to alcohol time instead of suburbs, the viewers are still able to know the suburb from tooltips.

o The domain of your Data Visualisation 2
   Road crash statistics in Victoria/ road safety education

   I believe I could use visualizations to display the distribution of accidents by rural/urban area, by whether related to alcohol or not and many other aspects. I think those information will alarm drivers, urge them pay extra attention to some of the conditions.

o The visualised dataset (attribute types, source and author, etc.)

link to source

Author: Victoria State Government

Attribute types:

it has categorical properties like alcohol status, it has ordered attributes like day of week and it has numerical properties and geocoding attributes.

o A justification for the type of visualisation idiom used (that is, why are you creating a bubble plot, stacked bar chart, etc.)?

For the map graph, I used dot map to present the frequency and location of accidents. The frequency can be evoked because I set the opacity to a low value and if accidents happen frequently at some specific area then the area will look more saturated. I think the suburb of accident is not the most relevant information that my audiences want to see from my visualization, therefore I didn't use choropleth map.

For the graph presenting number of accidents with different light condition, I used stacked bar chart because it is easy to interpret, it is easy to compare between different months, also compare within each month among different light conditions.