Greetings. We’re team sleep is optional, and are proud to introduce our crash map. We set out to build a system to ease the visualisation of data relating to motor vehicle accidents within Queensland and to write an article that would clearly show how legislative changes, public safety campaigns, modern road design and new vehicles have contributed to lower crash severities. Unfortunately, being a two person team, we promptly ran out of time after creating our visualisation tool.

Here’s the visualisation tool we’ve come up with. If you’d like to take a look at it yourself, simply open crashmap.xyz in your browser. It’s currently showing a heatmap, using all data from the past 20 years to generate it. The colour symbolises the severity of each crash, calculated with the number of fatalities, hospitalisations, injuries and how many vehicles were involved.

On the left of the screen, we can filter the types of crashes that are used to generate this. For example, we can filter this to only include crashes that happened at night on unlit roads.