**Draft Project Proposal**

**Project Topic:** Victoria Road Crash Analysis

**Aim:** To uncover patterns of roads crashes in the state of Victoria. We’ll examine relationships between different types of accidents, speed zones, demographics of involved individuals, local government areas, time series data, vehicle types, and driving conditions.

**Types of questions we’ll answer:**

1. The different types of accidents on Victorian roads
2. The speeds zones the accidents happened (speed zones vs severity of accidents)
3. Types of people most involved in the accidents (males vs females, ages groups, pedestrians/ passengers)
4. The LGAS with most accidents vs LGAs with least accidents
5. Time series data on the number of accidents happening (2012-2024)
6. Types of vehicles (heavy/passenger/motorcycles)
7. The riskiest zones/conditions to drive in

The above research questions will be later streamlined to focus on specific relationships between data.

**Methods of Analysis:**

Different types of JavaScript libraries to visualise data including d3 and GeoJason leaflets. New libraries will be researched.

Source for the data: <https://discover.data.vic.gov.au/dataset/victoria-road-crash-data>

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