

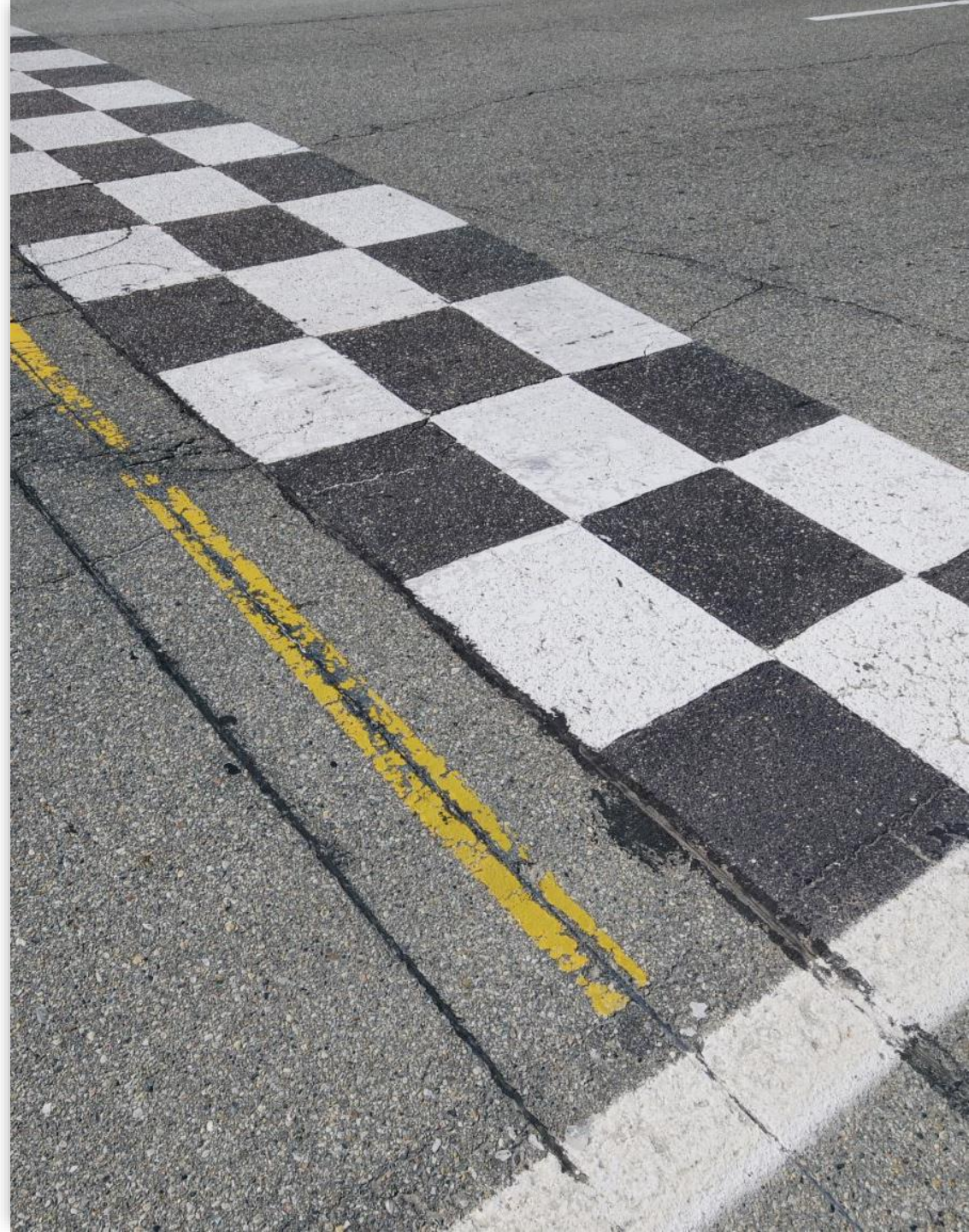
ROAD TRAFFIC ACCIDENTS

Amritpal Singh

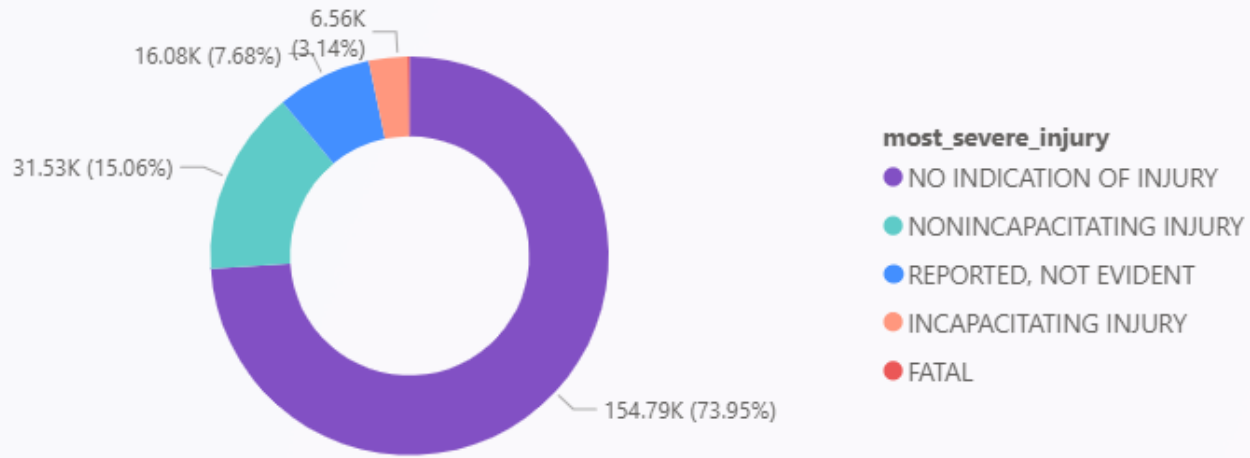


Purpose:

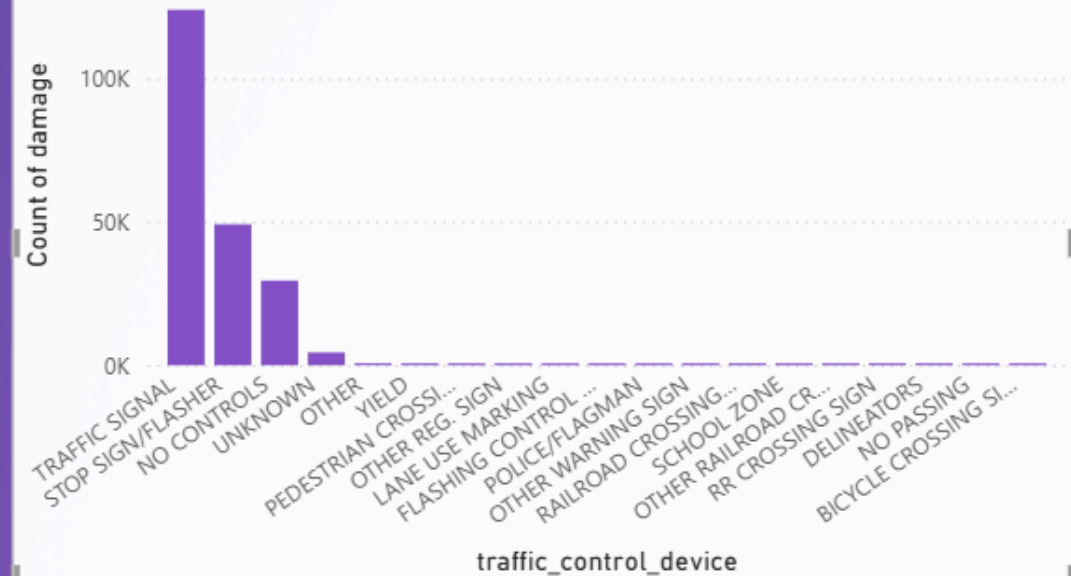
To understand how **road infrastructure factors** — like **alignment, intersections, road defects, surface conditions, and traffic controls** — affect the **frequency and severity of traffic crashes**.



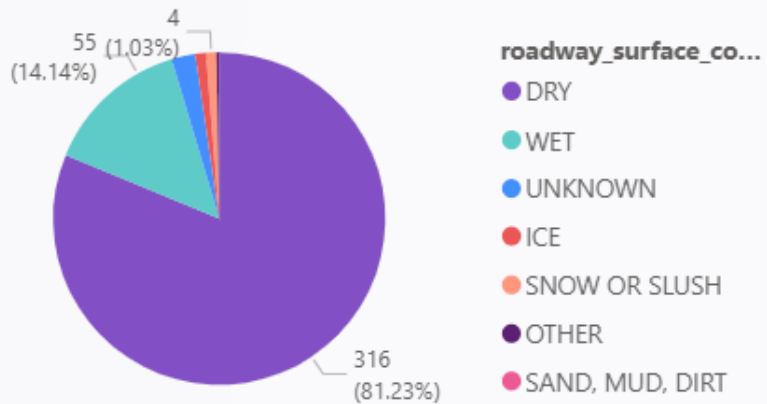
Proportion of Injuries and Fatalities by Total Accidents



Count of damage by Rules breaking



Proportion of Fatalities by roadway_surface_condition



7506

Accidents in Winter

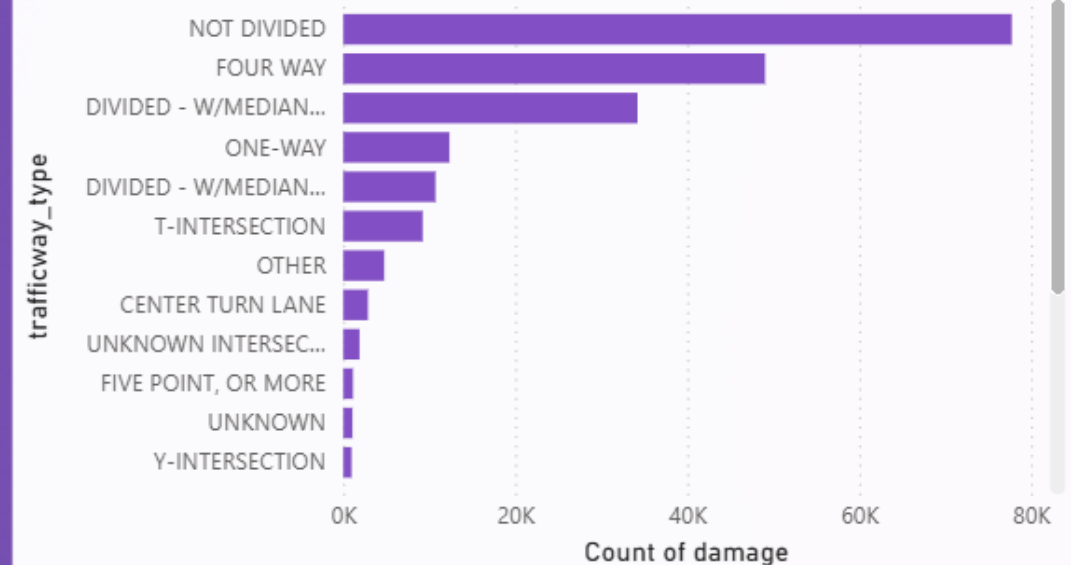
32.91K

Accidents in Rainy Days

155.95K

Accidents in Dry Condition

Count of damage by trafficway_type



What We Learned



Weather and surface conditions (e.g., rain, ice, snow) significantly increase crash severity.



Divided roads and intersections are linked to higher damage levels.



Traffic control devices do not fully prevent crashes, indicating issues with visibility or compliance.



Both **road design flaws** and **rule-breaking behaviors** contribute to serious crash outcomes.

Thank You.