

# Road Accidents Data Analysis Report



Project Summary and  
Recommendations

# Project Overview

- Analyzing road accident data to uncover insights about the impact of light conditions, road type, surface, and weather conditions on accidents.

# Key Insights

- - Most accidents occur during daylight (481,411 cases).
- - Single carriageways have the highest accident rate.
- - Fine weather sees more accidents than bad weather.
- - Dry surfaces recorded more accidents.

# Recommendations

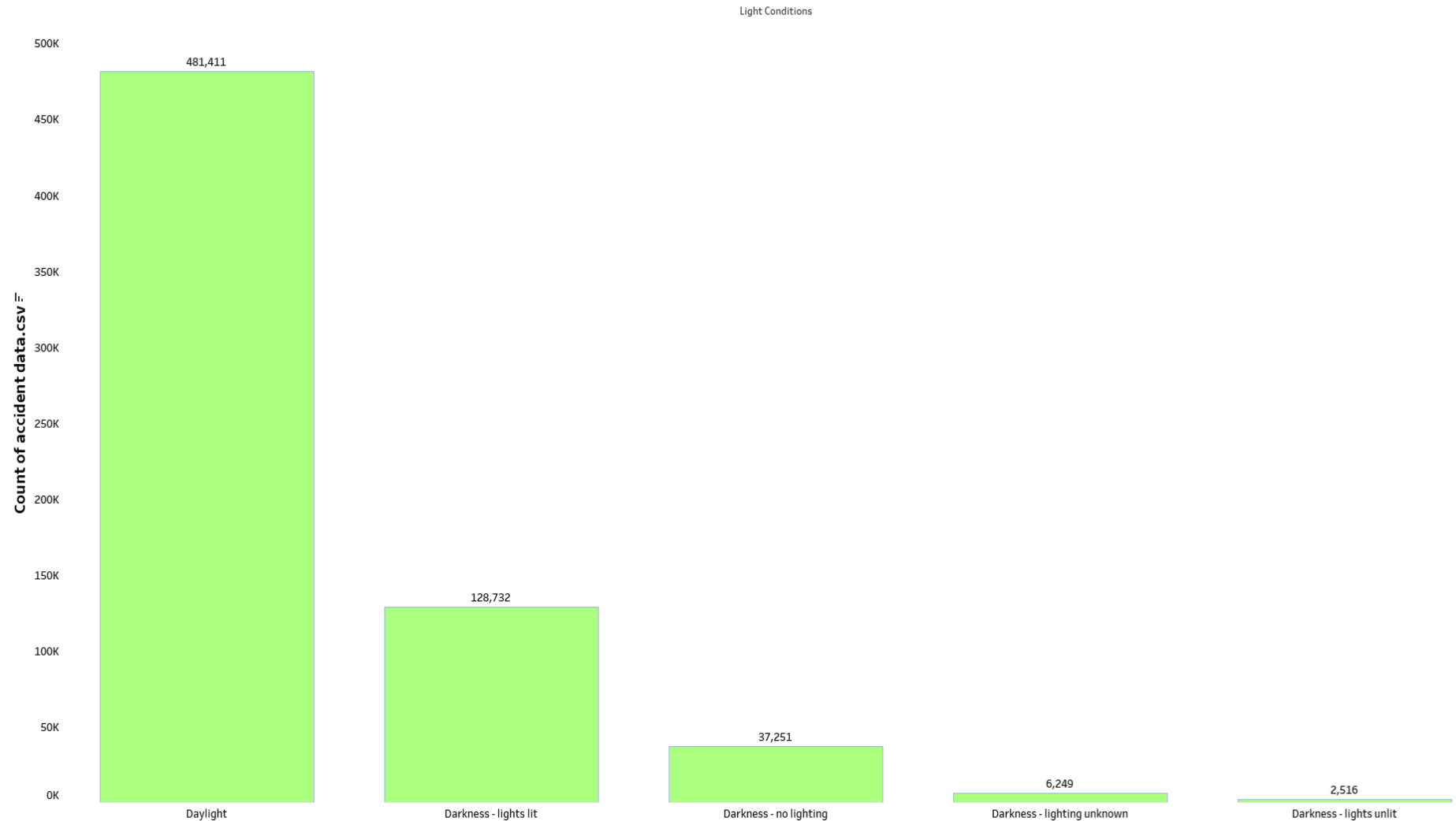
- 1. Increase traffic patrols during peak daylight hours.
- 2. Awareness campaigns about safe driving in good weather.
- 3. Speed control measures on single carriageways.
- 4. Improve road separation and maintenance.
- 5. Install smart warning signs.

# Dashboard & Visualizations

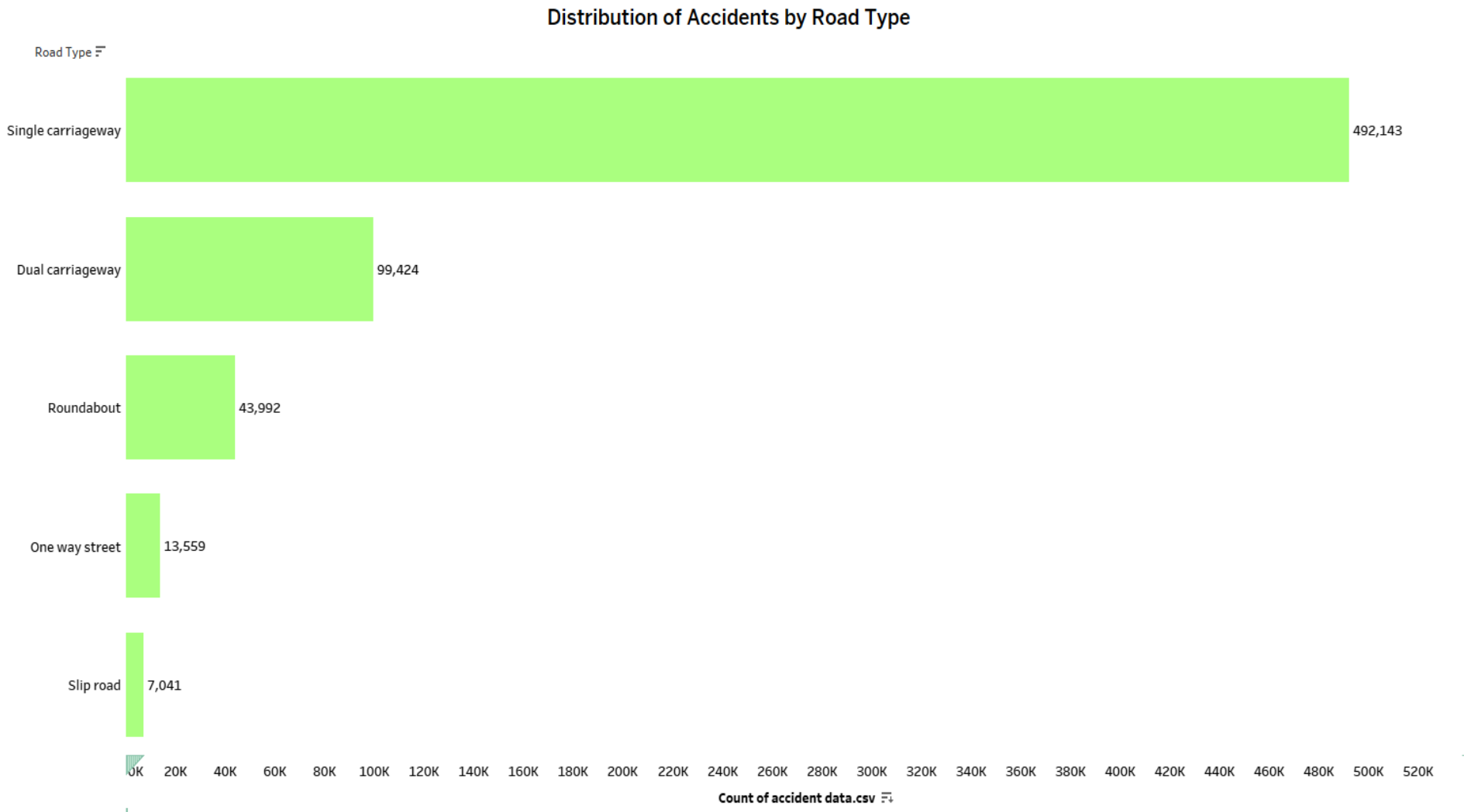
- Interactive Tableau Dashboard created showing:
  - - Accidents by Light Conditions
  - - Road Types
  - - Weather and Surface Conditions
- Dashboard Link: [[Here](#)]

# - Accidents by Light Conditions

Distribution of Accidents by Light Condition



# - Road Types



# Weather Conditions

Impact of Weather Conditions on Accidents

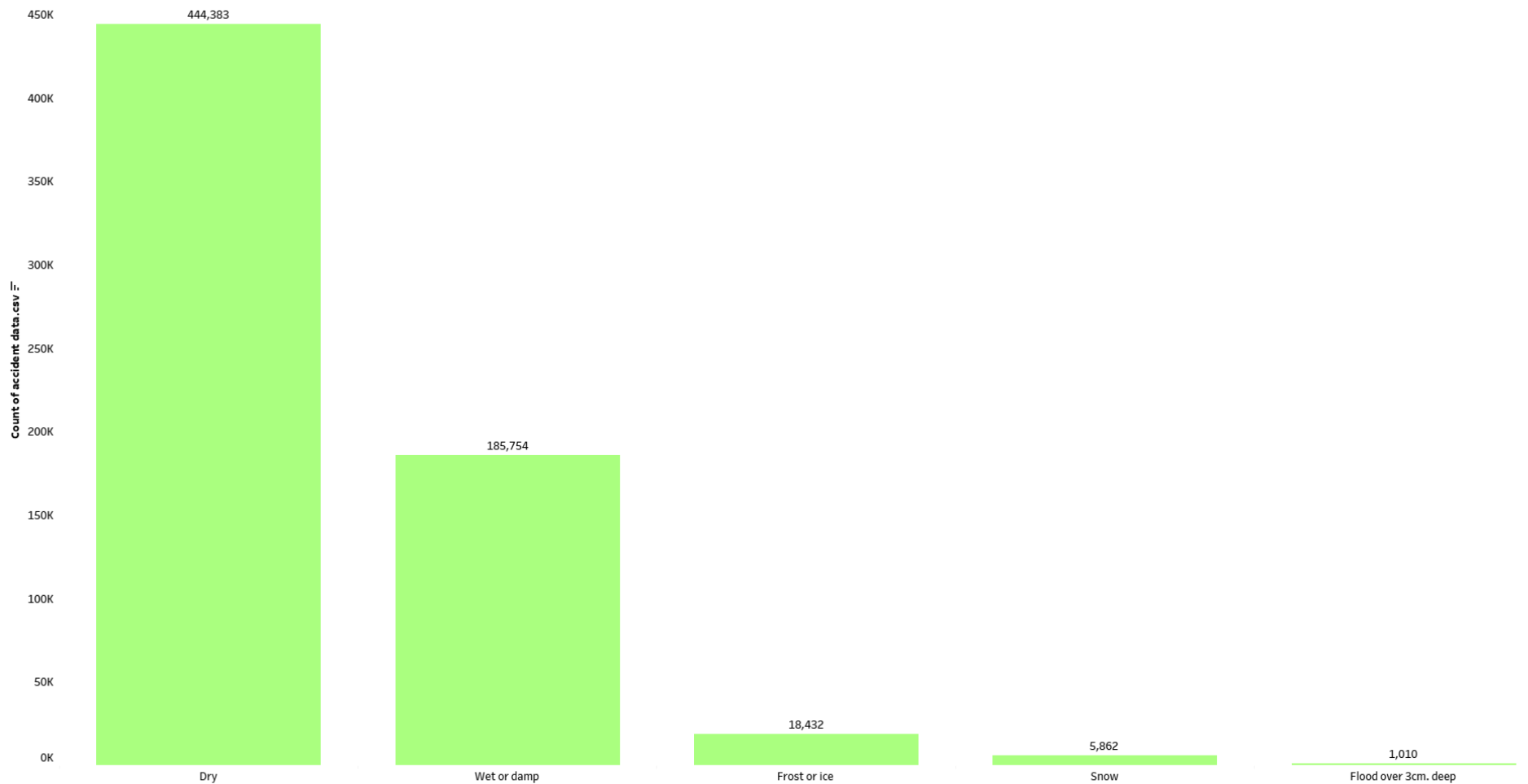




# Surface Conditions

Distribution of Accidents by Road Surface

Road Surface Conditions



# Conclusion

- Most accidents happen during the day and on single carriageways.
- Efforts should focus on:
  - - Daytime driving safety
  - - Road infrastructure improvements
  - - Awareness programs
  - - Speed control policies