ROAD ACCIDENT ANALYSIS

TABLE OF CONTENTS
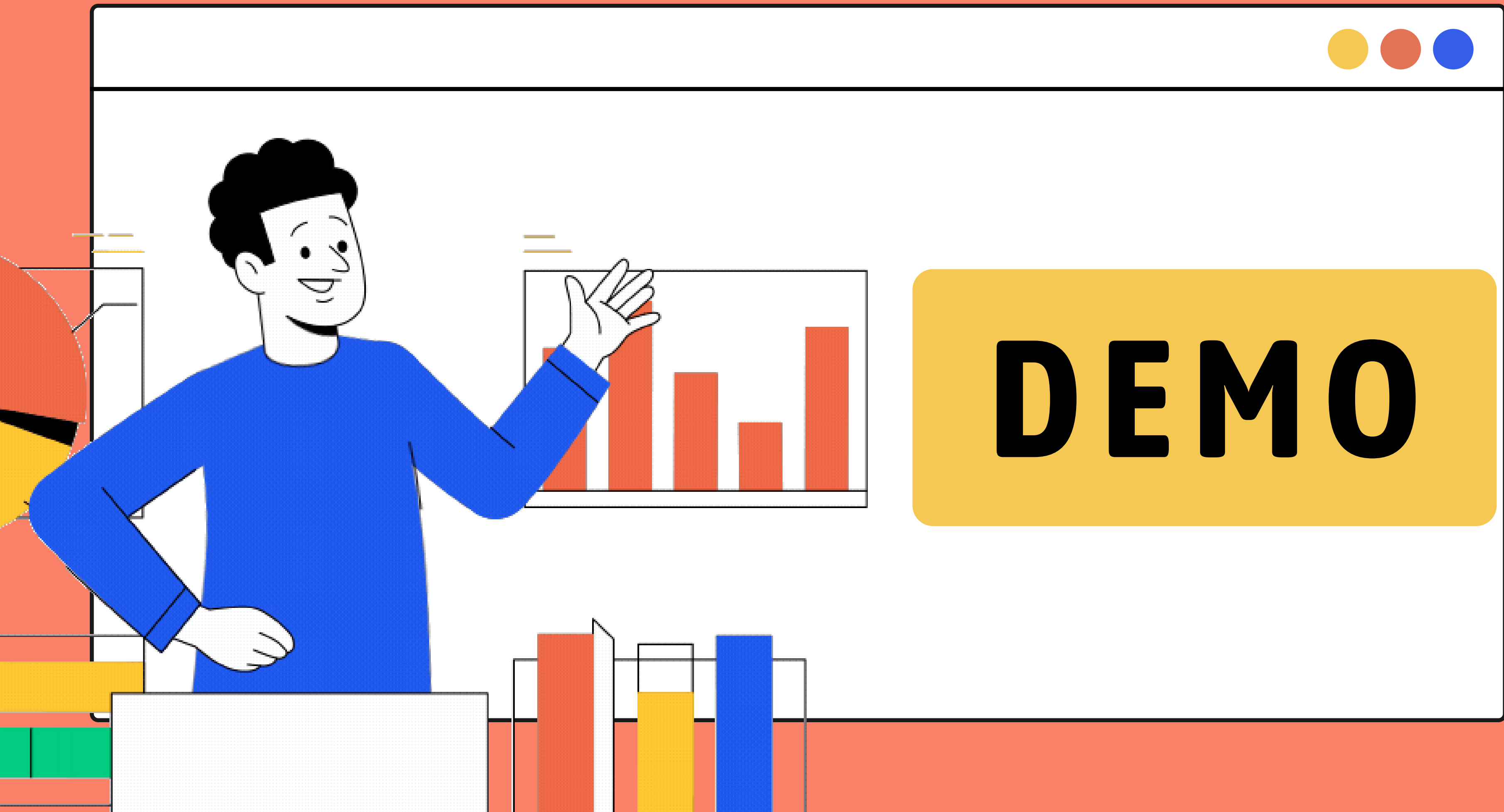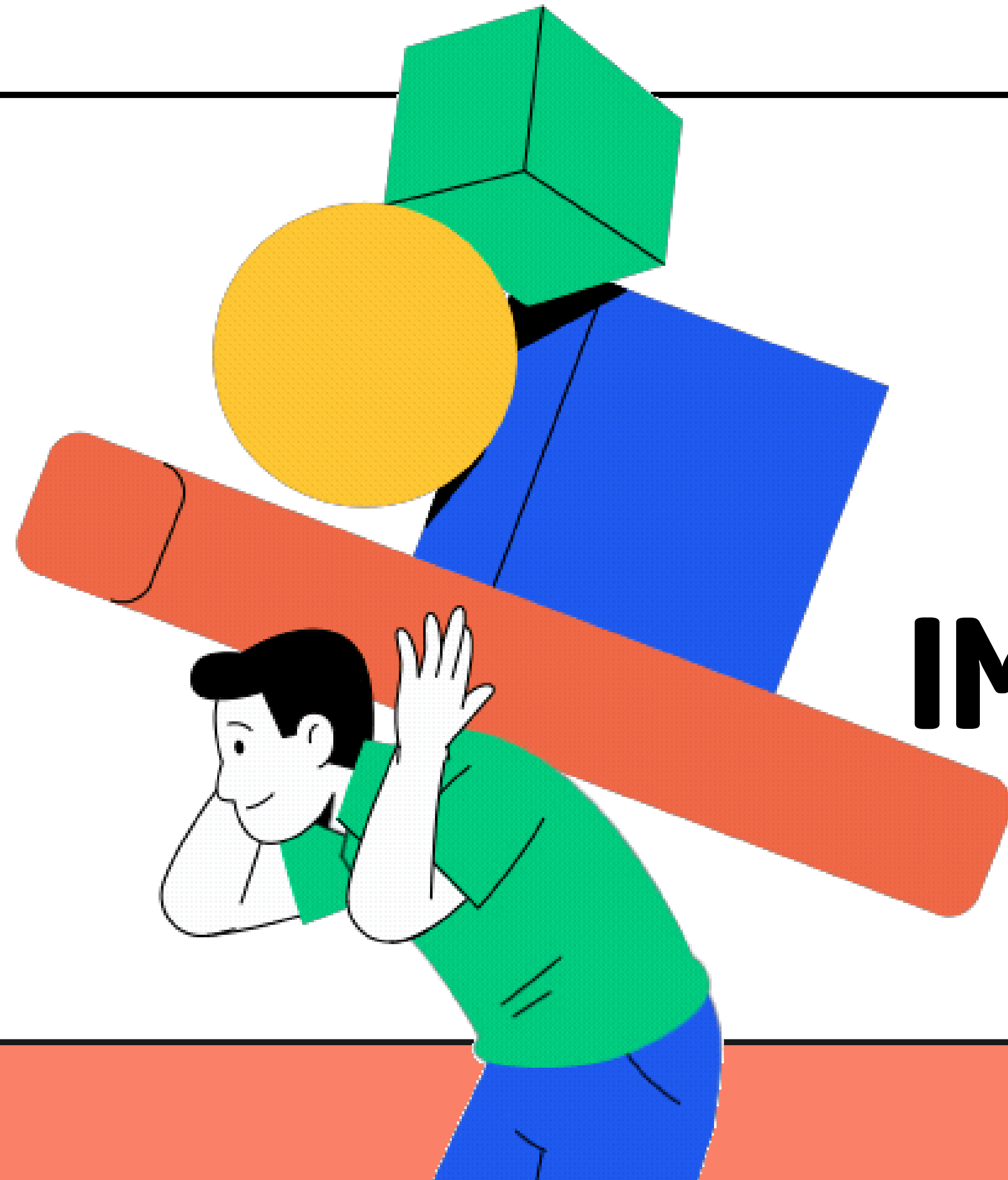
PROBLEM DESCRIPTION

Analyzing accident severity and
to improve road safety and
traffic management.

DEMO

KEY
IMPLEMENTATION

Action 1

- Importing essential libraries for data processing, visualization, clustering, and creating dashboard.
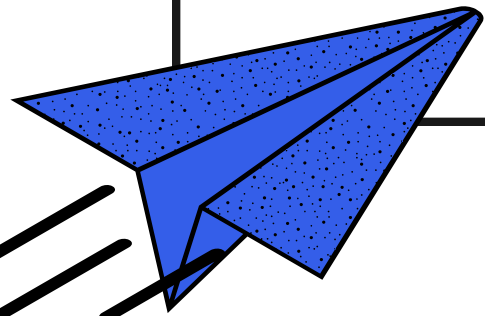
Action 2

- Updating the graphs

Action 3

- Created the dash board

Action 4

- kept uploading csv files
- added download report button

INDIVIDUAL CONTRIBUTIONS

HARIKA

- Weather Conditions on Day analysis
- Accident Clusters on Day analysis
- Speed Limit vs Road Type on Day analysis
- upload csv, selecting day and region buttons
- download report button

LAVANYA

- Hourly Weather Heatmap on Day
- Accident_Severity analysis
- Correlation Matrix of Key Variables analysis
- Police Attendance for Accidents on Day
- Heatmap: Hour vs Speed Limit analysis
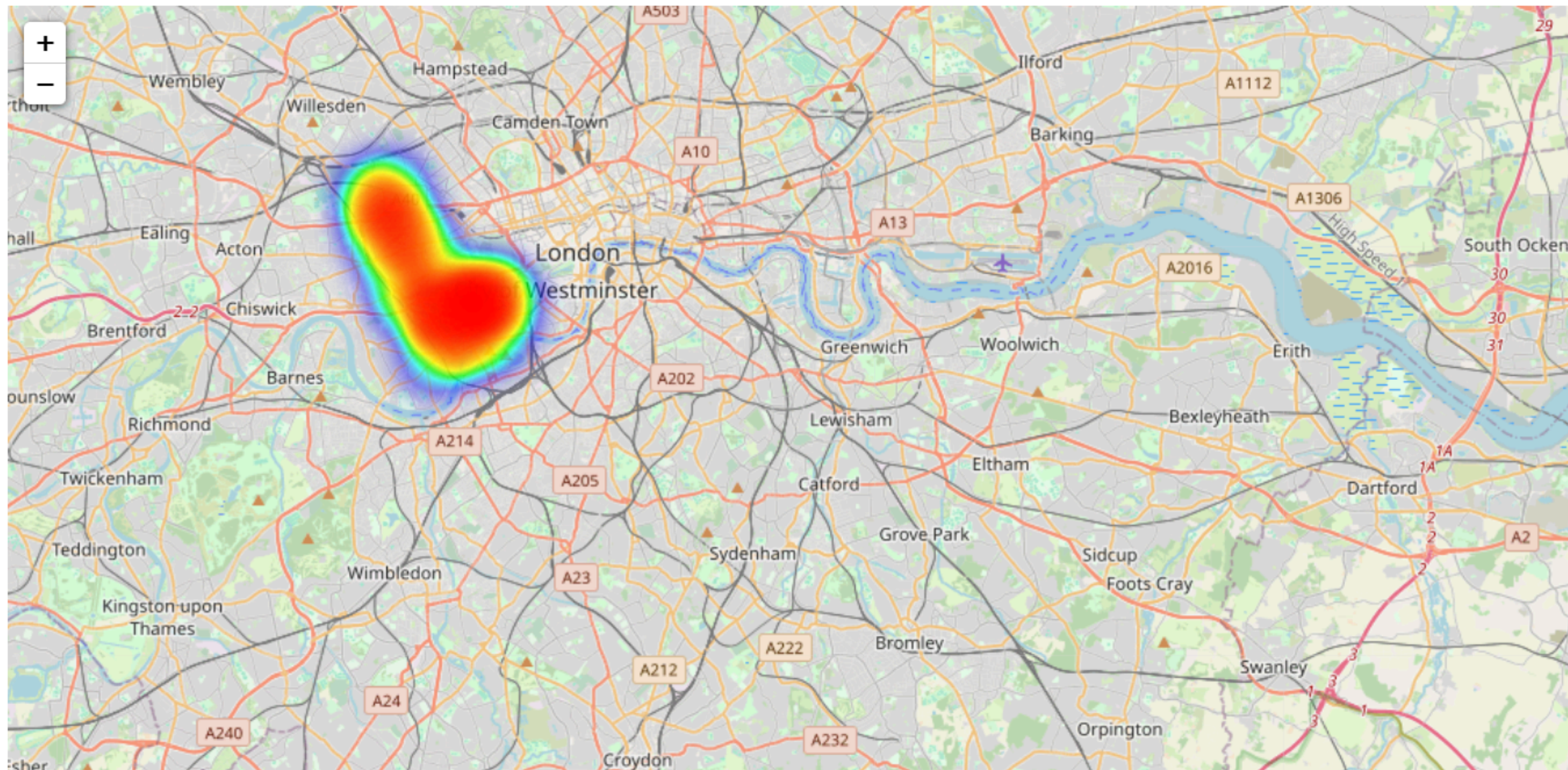
DURGA SRI

- Accidents by Hour on Day analysis
- Road Surface Conditions vs Weather on Day analysis
- Speed Limit vs Severity on Day analysis
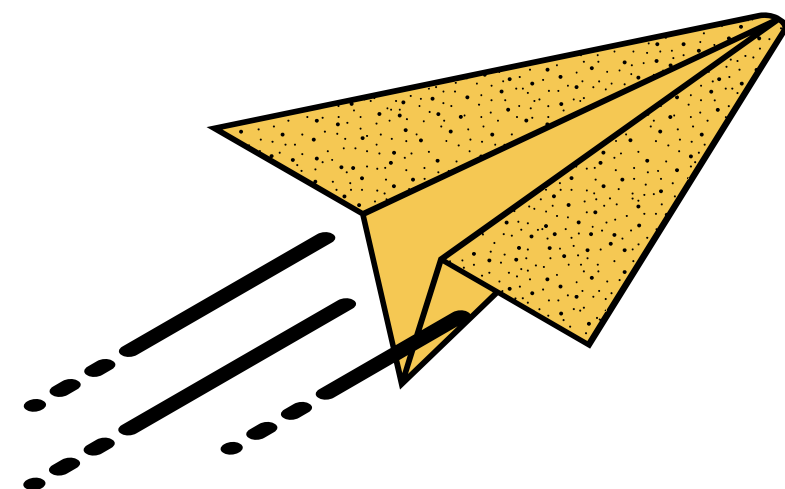- Road Surface Conditions and Accident Severity on Day analysis
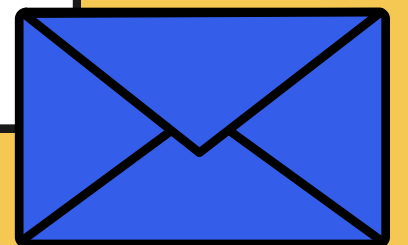
OUTSTANDING FEATURE

Geospatial Analysis: Visualizing Accident Hotspots on a Map

THANK YOU!