US ACCIDENT ANALYSIS

10Alytics
data & strategy

PROBLEM OVERVIEW

US Accidents is a comprehensive dataset that contains records of accidents that occurred between 2020 and 2021. The dataset provides valuable insights into various aspects of accidents, including severity, duration, distance affected, and location information.

The primary objective of analyzing the **US Accidents** data is to gain a deeper understanding of the patterns, trends, and characteristics of accidents across different states, counties, and cities. .

You have been hired as a Data Scientist to derive and communicate insights from this data.

DATA DICTIONARY

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- **ID**: This is a unique identifier of the accident record.
- **Severity**: Shows the severity of the accident, a number between 1 and 4, where 1 indicates the least impact on traffic (i.e., short delay as a result of the accident) and 4 indicates a significant impact on traffic (Minor, Major , Moderate, Severe).
- **Date**: Date of the accident in local time zone.
- **Duration_hours:** Time taken (in hours) from the start of the accident to when the impact of accident on traffic flow was dismissed.
- **Duration_minutes:** Time taken (in minutes) from the start of the accident to when the impact of accident on traffic flow was dismissed.
- **Distance(mi):** The length of the road extent affected by the accident.
- **City:** Shows the city in address field.
- **County:** Shows the county in address field.
- **State:** Shows the state in address field.
- **Country**: Shows the country in address field.