

U.S. Traffic Accident Analysis (2015–2016)

Total # of Accidents
67,286

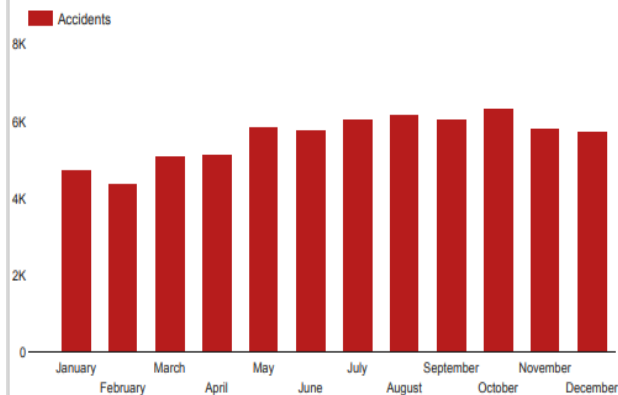
Accidents Per Month
2,804

Accidents Per Week
647

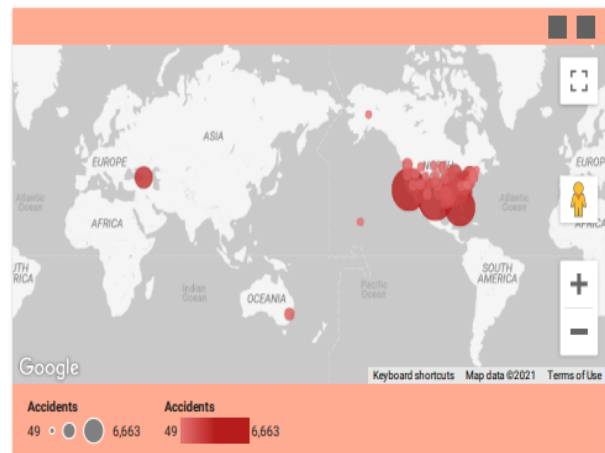
Accidents Per Day
92

year_of_crash ▼

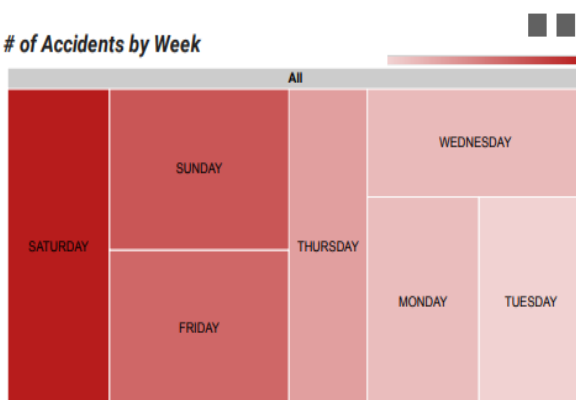
of Accidents by Month.



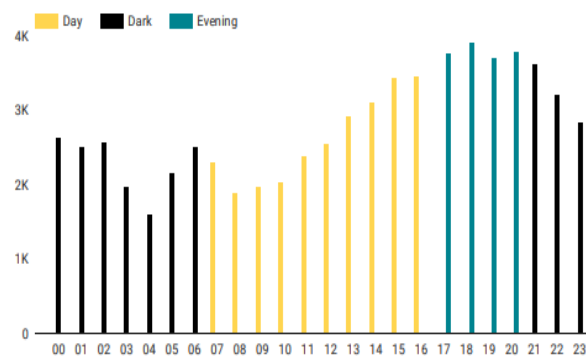
Accidents by State



of Accidents by Week



of Accidents by Hour



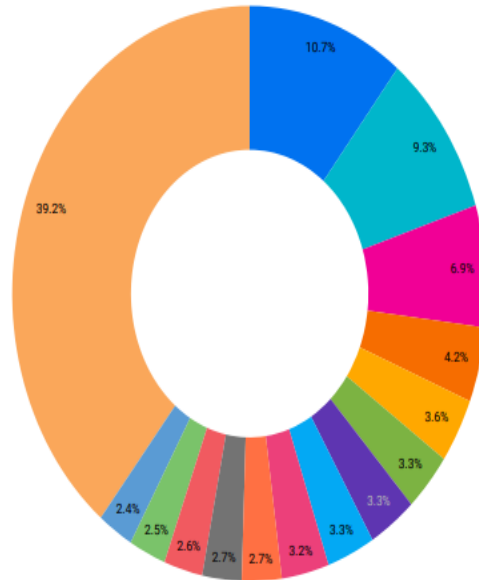
OCTOBER: A SERIOUS MONTH FOR CAR ACCIDENTS



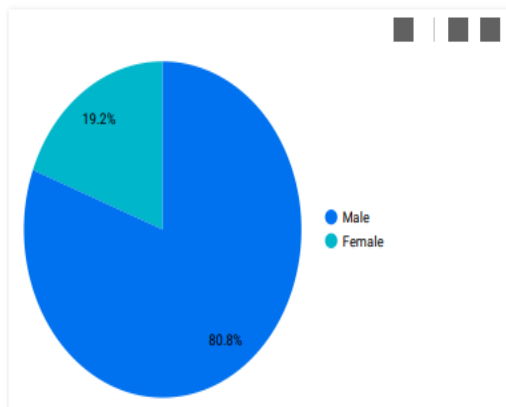
Drink And Driving

year_of_crash

California Texas Florida North Carolina Ohio South Carolina Georgia Pennsylvania



Accidents Under Alcohol Influence by Gender



80.8% of all drunk drivers are Male

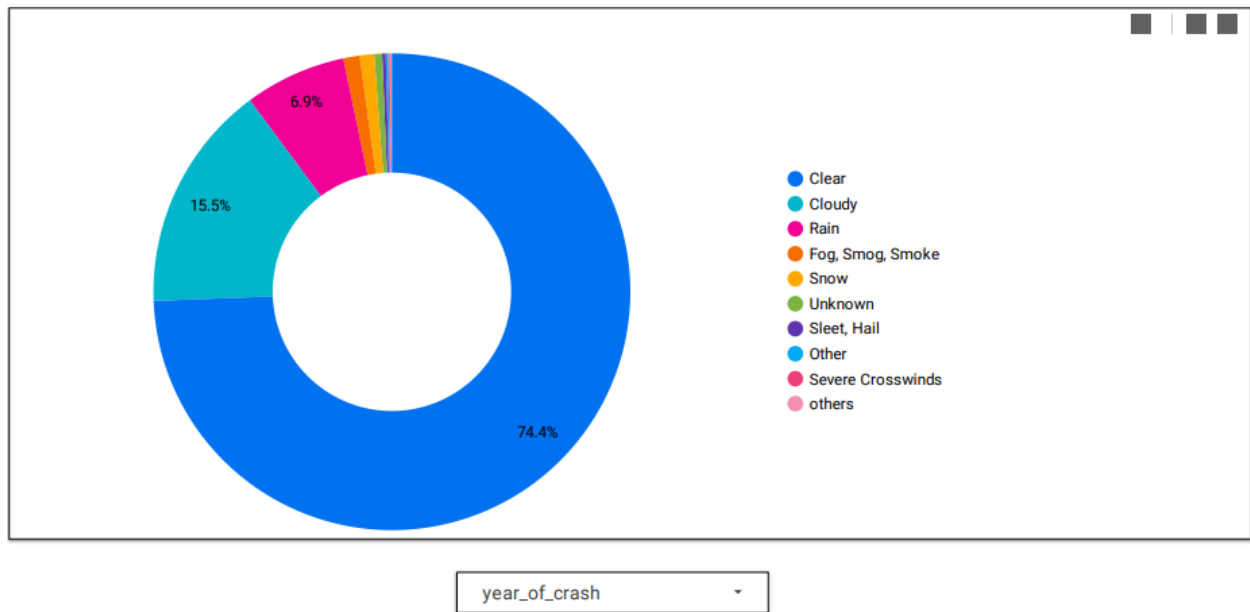
Top 5 States in total Accidents

- 1 - California
- 2 - Texas
- 3 - Florida
- 4 - Gorgia
- 5 - North Carolina

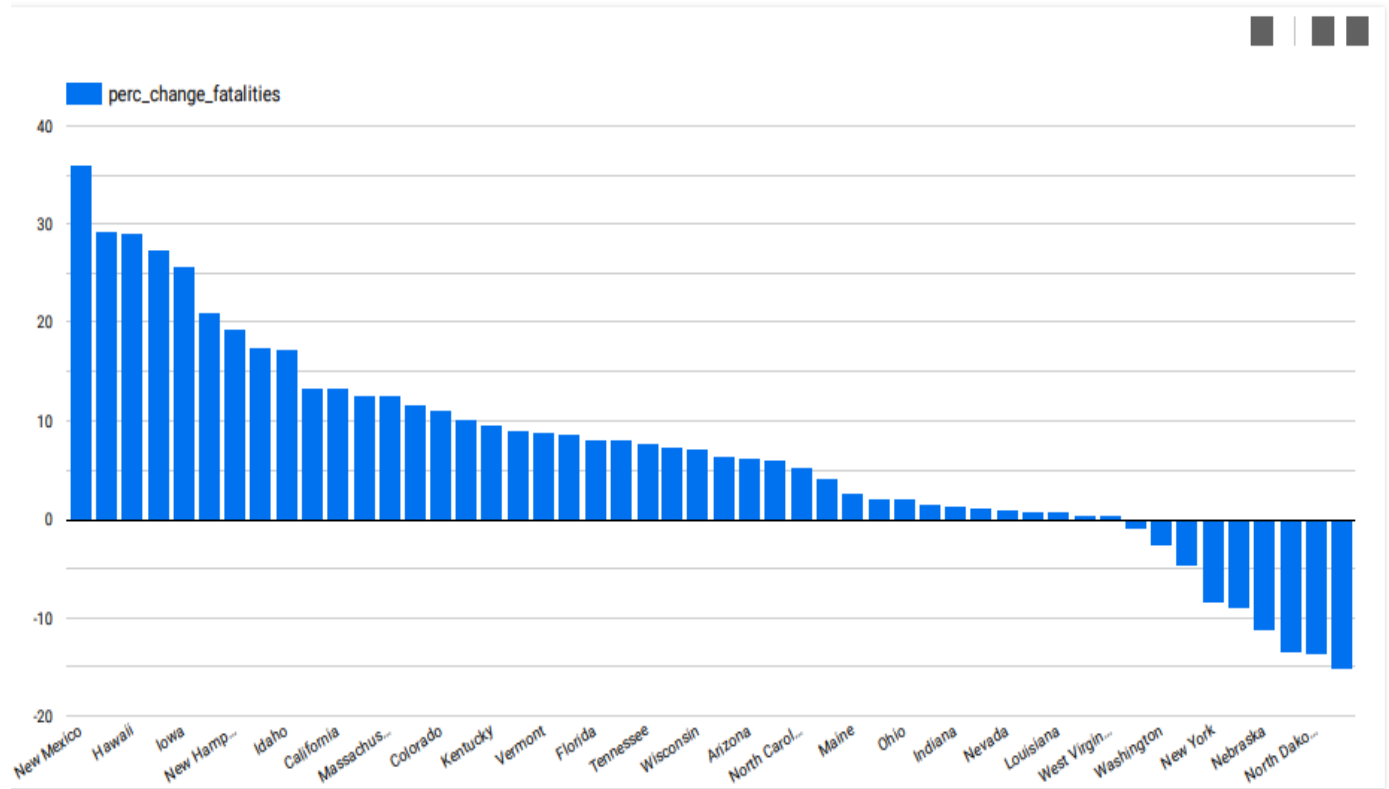
Top 5 States in Drinking and Driving Accidents

- 1 - California
- 2 - Texas
- 3 - Florida
- 4 - North Carolina
- 5 - Ohio

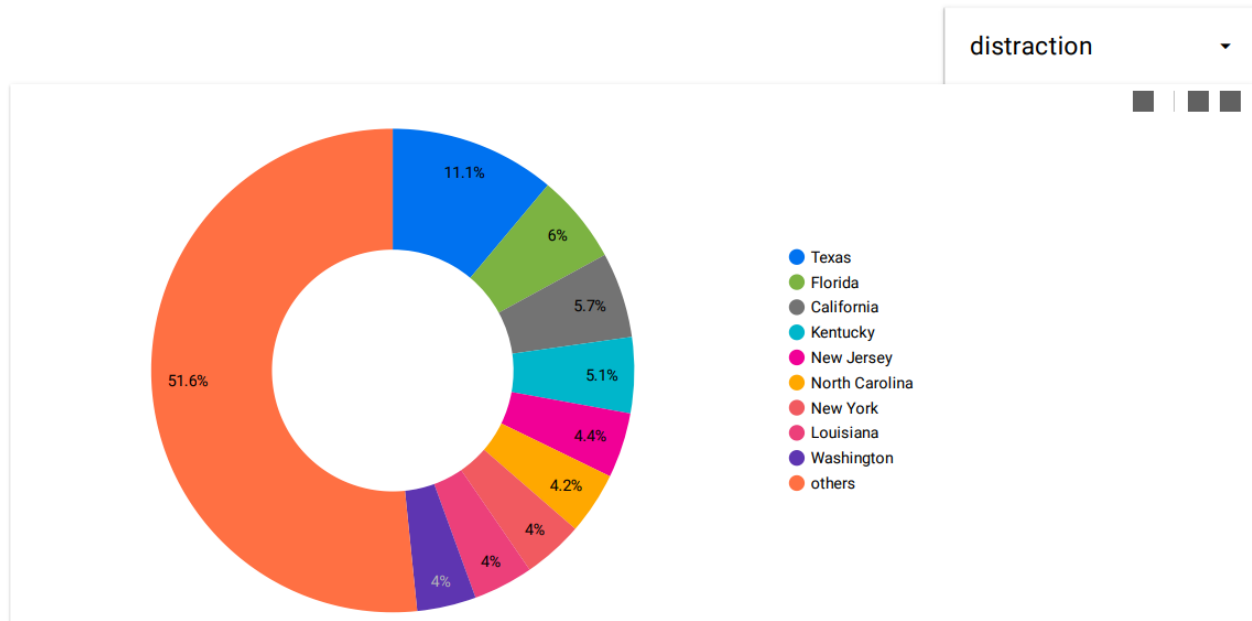
Weather Conditions when Accidents occurs



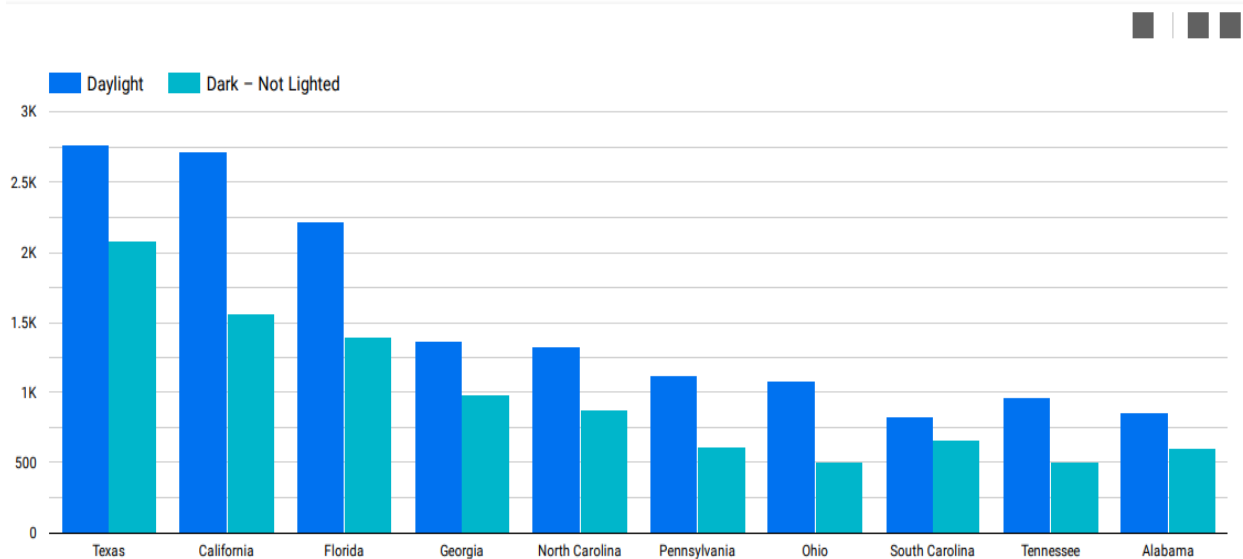
Percentage Increase and Decrease In Fatalities Over States In 2016 From 2015



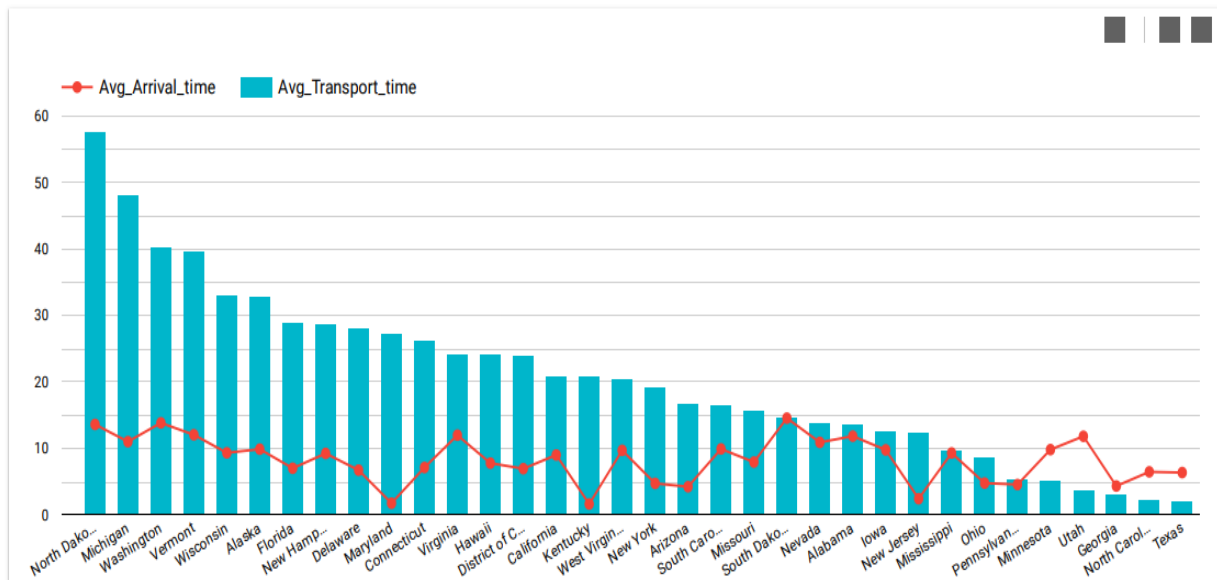
Accidents due to distractions by state



Effects of light condition



Response of emergency medical services by state



In this graph, we analyzed how medical services respond to crash notifications specifically focusing on **average arrival time** (time taken for medical help to reach the crash site) and **average transport time** (time taken to transport victims to the nearest hospital), measured state by state.

We observed that:

- **North Dakota** has the **highest average transport time**, potentially due to a lower density of hospitals or traffic challenges.
- **Texas, North Carolina, and Georgia** show comparatively **lower transport times**, indicating more efficient post-arrival medical logistics.

- **South Dakota** reports the **highest average arrival time**, which could suggest challenges in EMS accessibility or coverage in rural areas.
- **Kentucky** has the **lowest arrival time**, possibly reflecting a well-distributed and efficient emergency medical system.

Across the United States, the **average arrival time is under 15 minutes**, which indicates a generally good initial EMS response rate.

However, **transport time is higher than arrival time in most states**, signaling a critical area for improvement. Reducing transport times could significantly enhance emergency care outcomes and potentially save more lives.