**INSIGHTS:**[¶](https://www.kaggle.com/code/yashsukati/us-accident-eda#INSIGHTS:)

1. State-wise Analysis:

California, Florida, Texas, South Carolina, and New York emerge as the top 5 states with the highest number of accidents.

1. City Breakdown:

Miami takes the lead with the highest number of accidents among the top 20 cities. Columbia holds the distinction of having the lowest number of accidents in this select group.

1. Peak Hour Findings:

The time window of 7-8 AM witnesses the majority of accidents, highlighting the importance of heightened awareness during morning rush hours. ⏰

1. Severity 2 and 4 related accident effected the traffic the most ( for severity 2 since the value count is high average distance is on the greater side but as per data severity 4 accident has greatest impact on traffic )
2. The accidents are high from December and it is lowest at july. The rise continues to increase from the month of July.
3. Accident Counts are higher in the year 2021.
4. Insights :
5. *1. the abesence of New York city among the cities exist in the dataset*
6. *2. in this period , los angales was the most city where accidents occurs*
7. *3. there is 1260 city that declare just 1 accident in this whole periode.*
8. *4. after a quich research : I found that there is 108,000 city in US,and the dataset contain just 10222 city(9.46%).which means there is a few cities where accident occurs*
9. *5. question is : Do other cities really not have any accidents there?*
10. *Or those cities do not declare accidents occurring in their area*
11. *6. the Severity of accidents in Los Angales increase in the winter*
12. *7. the accidents occur more in the eastern of america*
13. *8. accidents occur more when people go and go out from the work*
14. insights during the period of corona virus :
15. *1. The number of accidents decreases slightly immediately after the start of the pandemic.*
16. *2. There was a sharp decline in the number of accidents in (July-August)*
17. *The reason needs to be clarified.*
18. *3. why the number of accidents increase tremendously after the ending of the quarantine ?*
19. *4. This may come down to drivers going through panic and fear due to the pandemic.*[*¶*](https://www.kaggle.com/code/lboughazscript/exploratory-data-analysis-us-accidents-2019-2021#4.-This-may-come-down-to-drivers-going-through-panic-and-fear-due-to-the-pandemic.)