

CMP 262: Data Science Programming Final Project

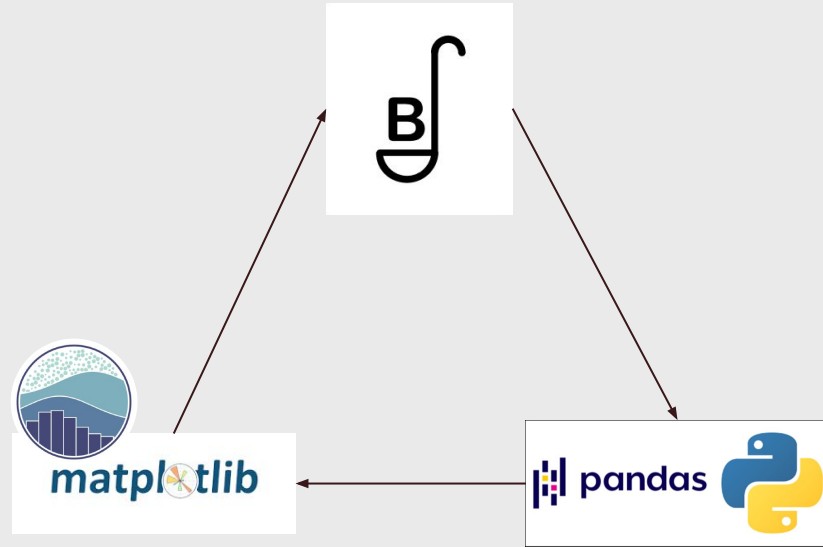
Shreya Kamath



Dataset & Methodology



Insurance Information Institute



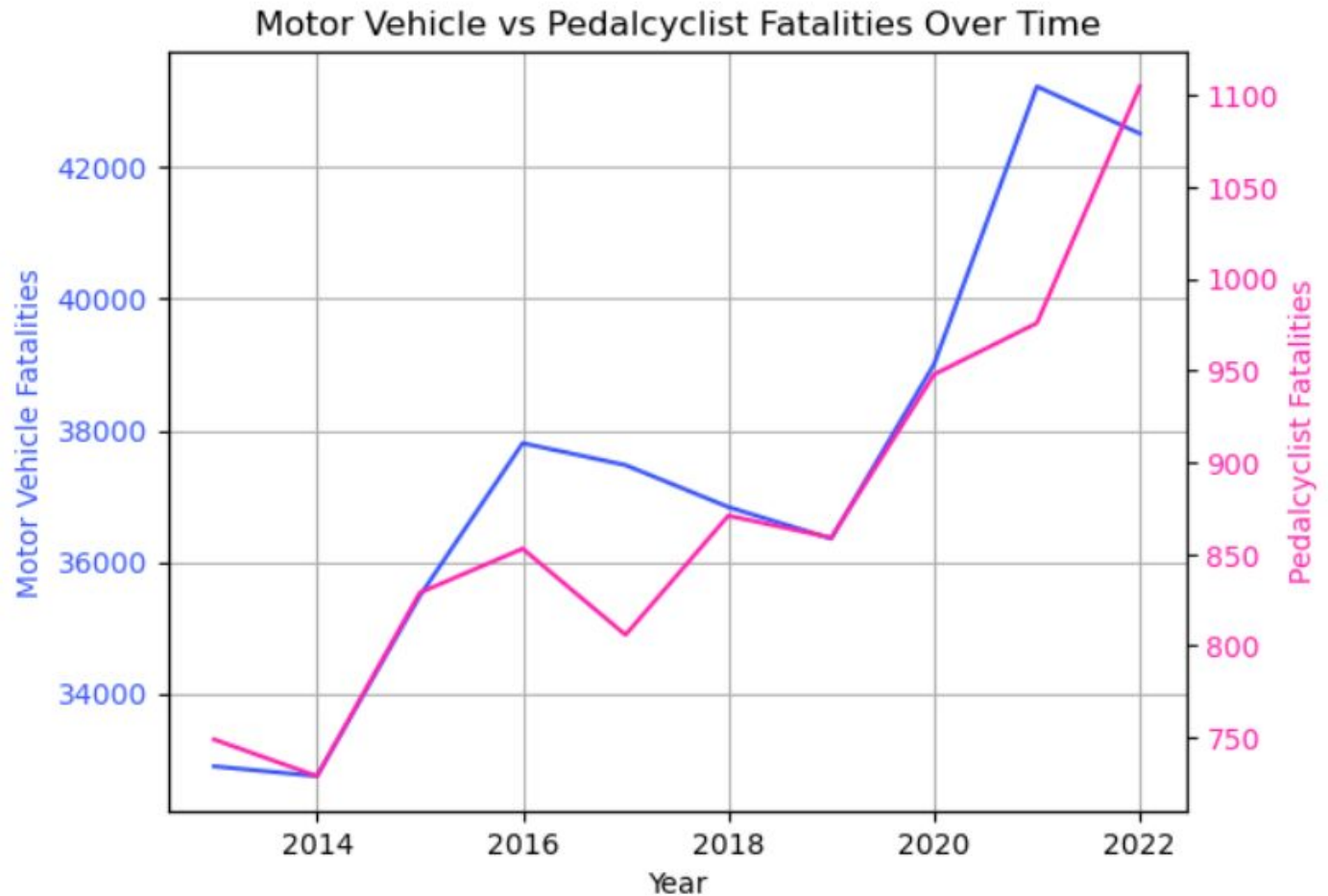


Potential Clients



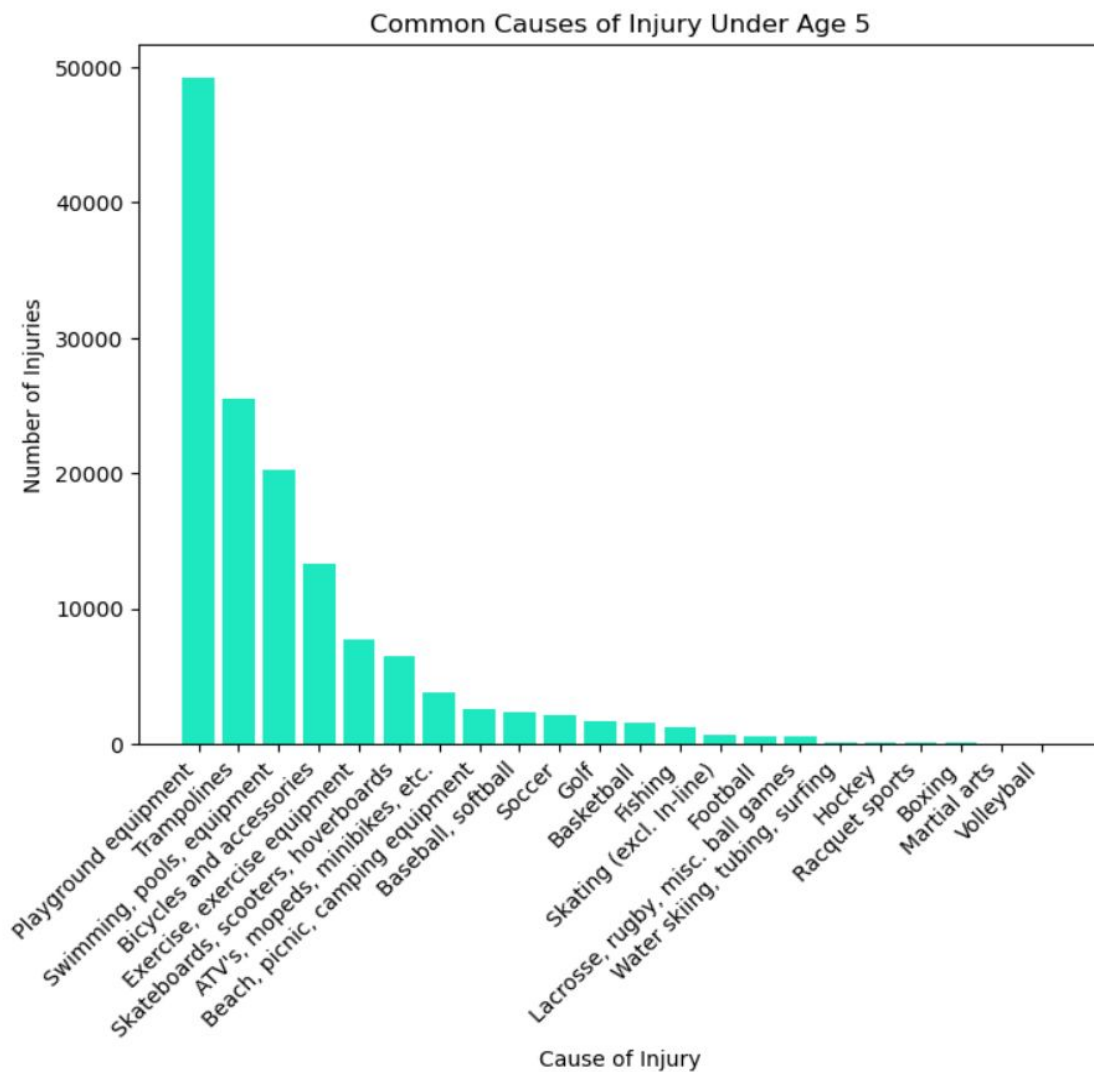
How has the number of motor vehicle fatalities progressed from 2013-2022 compared to the number of fatalities injuries over that same time period?

- Overall increase in fatalities over time
- Large jump in number from 2019-2021



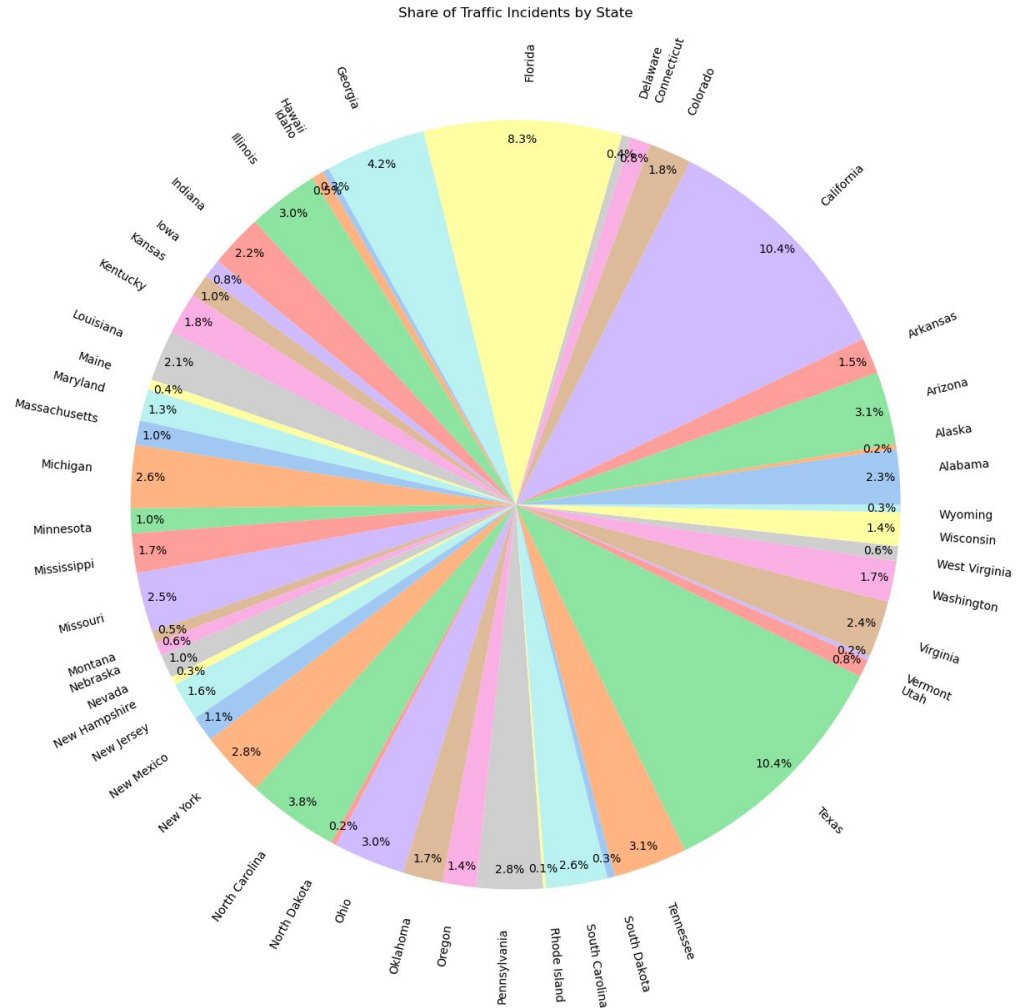
What sport, activity, or piece of equipment is the most and least harmful for children aged younger than 5?

- Playground equipment causes the most injuries
- Volleyball causes the least number of injuries

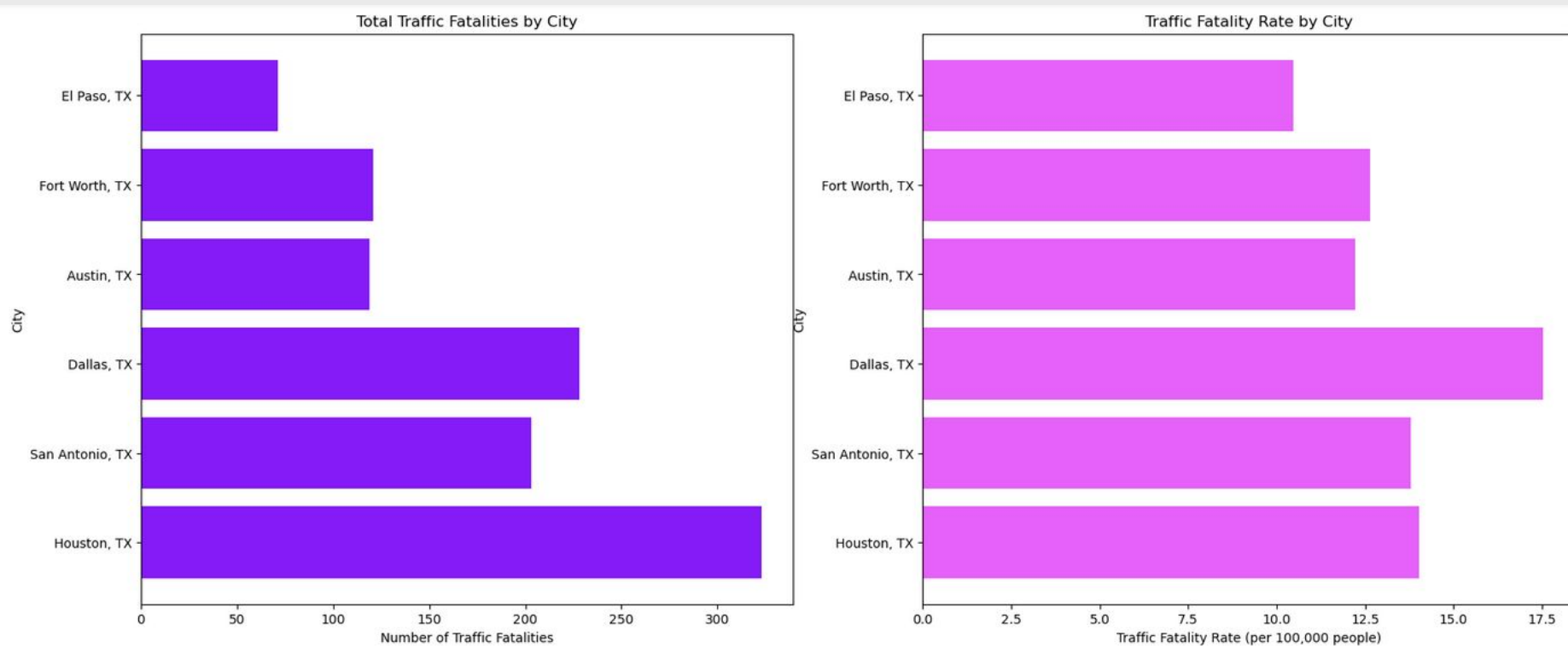


Which state had the most motor vehicle traffic crash fatalities out of all traffic fatalities recorded in 2022?

- California and Texas have the largest number of traffic incidents.
- States like Arizona and Tennessee have high incident rates compared to more populated states/



Which Texas city had the highest number of traffic incidents in 2022, and how does this compare to the overall traffic fatality rate for each city?



Houston has the highest *number* of traffic incidents, while Dallas has the highest incident *rate*



Conclusions

Overall Themes



Advocating for better methods to keep people safe in a world with increasing numbers of injuries and fatalities.

Future Plans



Finding trends between present-day data and archived data from the past.

Thank
You!