

CVEN 626 – Highway Safety

Assignment #3

This assignment is due on Friday, September 26th, 2025. Please be ready to discuss the topic in Friday's lecture.

In a team of two or three, answer the questions below.

All questions are 20 points.

Question 1

Access the Fatality Reporting Analysis System (FARS) (<https://www.nhtsa.gov/research-data/fatality-analysis-reporting-system-fars>). Using the query webpage (<https://cdan.dot.gov/query>), explore the data and answer the following questions using tables and/or plots and a discussion about the plots/tables:

Examine pedestrian fatalities between 2014 and 2023 for the entire US.

Examine pedestrian fatalities between 2014 and 2023 for the State of Texas.

Take the years 2014, 2019 and 2023 and examine contributing factors and discuss if the differences and how this could explain the trends you have observed above.

Question 2

In about $\frac{3}{4}$ to 1 page, discuss why the general economic cycle (i.e., economic boom, recession) has a great influence on fatal and non-fatal crashes? You can show plots and explain potential factors.