Throughout the past 60 years, there have been many changes in the amount of vehicle travel in the United States. Driving might decrease as the unemployment rate increases, or as a result of a gasoline shortage. It might increase as manufacturing improvements lead to cheaper cars.

There have also been significant changes in road safety. Accident rates can increase as cars become more powerful, such as when V-8 engines were introduced to midsize cars. But they can decline due to improvements in technology (like anti-lock brakes and air bags) and road behavior (like wearing seat belts and driving sober).

The following data depict trends in:
- Amount of vehicle travel (in miles driven per capita)
- Auto fatalities per 100,000 people

Describe your initial understanding of this graph.

Describe any visual patterns you notice.

Describe the shape of this graph.

Describe the total change in miles driven per capita.

Describe the total change in auto fatalities per capita.

Describe the relationship between miles driven per capita and auto fatalities per capita.
Describe the relationship between miles driven per capita and auto fatalities per capita in the highlighted region.

0% Auto Fatalities Per 100K People + 0% Miles Driven Per Capita +

Describe the relationship between miles driven per capita and auto fatalities per capita in the highlighted region.

Describe the relationship between miles driven per capita and auto fatalities per capita in the highlighted region.

Describe the relationship between miles driven per capita and auto fatalities per capita in the highlighted region.

Describe the relationship between miles driven per capita and auto fatalities per capita in the highlighted region.

Describe the relationship between miles driven per capita and auto fatalities per capita in the highlighted region.

Describe the relationship between miles driven per capita and auto fatalities per capita in the highlighted region.

Describe the relationship between miles driven per capita and auto fatalities per capita in the highlighted region.

Describe the relationship between miles driven per capita and auto fatalities per capita in the highlighted region.

American cars get bigger, faster, and more deadly. All while becoming more popular

Does the highlighted region reflect this statement?

American cars get bigger, faster, and more deadly. All while becoming more popular

Does the highlighted region reflect this statement?

New manufacturing techniques make cars cheaper and more prevalent, new safety features lower fatality rate

Does the highlighted region reflect this statement?

Fatality rate is constant, and miles driven per capita decreases
Fatality rate decreases, and miles driven per capita increases

Fatality rate is constant, and miles driven per capita is constant

Fatality rate decreases, and miles driven per capita decreases

Fatality rate is constant, and miles driven per capita decreases

Fatality rate decreases, and miles driven per capita decreases

Fatality rate is constant, and miles driven per capita decreases

New manufacturing techniques make cars cheaper and more prevalent, but fatality rate remains constant
Oil Embargo: people drive less. They also drive more slowly, leading to a drop in fatalities.

American cars get bigger, faster, and more deadly. All while becoming more popular.

Steel shortage makes cars more expensive, use of weak aluminum increases fatality rate.

Steel shortage makes cars prohibitively expensive, fatality rate remains constant.

New manufacturing techniques make cars cheaper and more prevalent, new safety features lower fatality rate.

Describe your initial understanding of this graph.
Describe any visual patterns you notice.

Describe the shape of this graph.

Describe the total change in miles driven per capita.

Describe the total change in fatalities per capita.

Describe the relationship between miles driven per capita and fatalities per capita.

Describe the relationship between miles driven per capita and fatalities per capita in the highlighted region.

Describe the relationship between miles driven per capita and fatalities per capita in the highlighted region.

Describe the relationship between miles driven per capita and fatalities per capita in the highlighted region.
Describe the relationship between miles driven per capita and fatalities per capita in the highlighted region.

New manufacturing techniques make cars cheaper and more prevalent, new safety features lower fatality rate

Does the highlighted region reflect this statement?

American cars get bigger, faster, and more deadly. All while driving becomes more popular.

Does the highlighted region reflect this statement?

Fatality rate decreases, and miles driven per capita increases

Fatality rate is constant, and miles driven per capita decreases

Fatality rate increases, and miles driven per capita is constant

Fatality rate increases, and miles driven per capita increases
Fatality rate is constant, and miles driven per capita increases

Fatality rate is constant, and miles driven per capita is constant

Fatality rate increases, and miles driven per capita decreases

Fatality rate decreases, and miles driven per capita is constant

Fatality rate decreases, and miles driven per capita decreases

New manufacturing techniques make cars cheaper and more prevalent, but fatality rate remains constant

American cars get bigger, faster, and more deadly. All while becoming more popular

Speed limits are decreased, increasing auto safety

Steel shortage makes cars more expensive, use of weak aluminum increases fatality rate
Oil Embargo: people drive less. They also drive more slowly, leading to a drop in fatalities.

New manufacturing techniques make cars cheaper and more prevalent, new safety features lower fatality rate.

Steel shortage makes cars prohibitively expensive, fatality rate remains constant.

Speed limits are increased, decreasing safety.

Military budget and troop size are only two out of many gauges of military power. Any given commitment may be adequate or inadequate depending on the number and capability of a nation’s adversaries, how well a country invests its funds, and what it seeks to accomplish, among other factors.

Nevertheless, trends in military spending and troop size do reveal something about a country’s capacity for coercion.

The following data depict trends in:
- U.S. Army budget (in dollar billions)
- Number of U.S. troops (in thousands)
Describe the shape of this graph.

Describe the total change in budget.

Describe the total change in number of troops.

Describe the relationship between defense budget and number of troops.

Describe the relationship between defense budget and number of troops in the highlighted region.

Describe the relationship between defense budget and number of troops in the highlighted region.

Describe the relationship between defense budget and number of troops in the highlighted region.
Nativism is the trend, and enlistment soars even though their salaries plummet

Does the highlighted region reflect this statement?

A war breaks, and demands more troops and resource allocation

Does the highlighted region reflect this statement?

Budget is constant, and number of troops is constant

Budget decreases, and number of troops is constant

Budget decreases, and number of troops increases

Budget increases, and number of troops is constant

Budget increases, and number of troops increases

Budget is constant, and number of troops increases

Budget decreases, and number of troops decreases
Budget increases, and number of troops decreases

Budget is constant, and number of troops decreases

A war breaks, and demands more troops and resource allocation

The U.S. wants to invest in new high-tech weaponry, while maintaining its troop size

The U.S. invests in new high-tech weaponry, which will replace troops, but the weapons are much more expensive

There is a global decline in military spending, and the U.S. follows suit; but it is unrelated to its troop size

World peace is achieved and there is no need for fighting

Nationalism is the trend, and enlistment soars even though their salaries are cut

The U.S. withdraws troops from the Middle East, but reallocates its funds towards all other operations
Enlistment soars without any consequence to the budget.

Describe your initial understanding of this graph.

Describe any visual patterns you notice.

Describe the shape of this graph.

Describe the total change in budget.

Describe the total change in number of troops.

Describe the relationship between defense budget and number of troops.

Describe the relationship between defense budget and number of troops in the highlighted region.
Describe the relationship between defense budget and number of troops in the highlighted region.

2010

1980

1990

2000

%0%Army%

Budget%

%0%Number%of%Troops%

110

Describe the relationship between defense budget and number of troops in the highlighted region.

A war breaks, and demands more troops and resource allocation

Does the highlighted region reflect this statement?

Budget is constant, and number of troops increases

Nationalism is the trend, and enlistment soars even though their salaries are cut

Does the highlighted region reflect this statement?
Budget decreases, and number of troops decreases

Budget increases, and number of troops decreases

Budget is constant, and number of troops decreases

Budget increases, and number of troops is constant

Budget is constant, and number of troops is constant

Budget decreases, and number of troops is constant

Budget decreases, and number of troops increases

A war breaks, and demands more troops and resource allocation

The U.S. wants to invest in new high-tech weaponry, while maintaining its troop size
The U.S. invests in new high-tech weaponry, which will replace troops, but the weapons are much more expensive.

There is a global decline in military spending, and the U.S. follows suit; but it is unrelated to its troop size.

World peace is achieved and there is no need for fighting.

The U.S. withdraws troops from the Middle East, but reallocates its funds towards all other operations.

Nationalism is the trend, and enlistment soars even though their salaries are cut.

Enlistment soars without any consequence to the budget.