



BIRZEIT UNIVERSITY

**Faculty of Engineering & Technology
Electrical & Computer Engineering Department**

Assignment 3

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Section: 1

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Read the following paragraph and then answer the questions below:

Six months ago the region of Forestville increased the speed limit for vehicles traveling on the region's highways by ten miles per hour. Since that change took effect, the number of automobile accidents in that region has increased by 15 percent. But the speed limit in Elmsford, a region neighboring Forestville, remained unchanged, and automobile accidents declined slightly during the same six-month period. Therefore, if the citizens of Forestville want to reduce the number of automobile accidents on the region's highways, they should campaign to reduce Forestville's speed limit to what it was before the increase.

We need to evaluate the underlined statement at the end of the paragraph.

- 1- What are the relevant facts that exist in the paragraph and can help us evaluate the statement?

After increasing the speed limit in Forestville by 10 miles an hour, the number of car accidents in that area increased by 15% while the speed limit in Elmsford (which is adjacent to Forestville) remained unchanged and the result was a slight decrease in car accidents

- 2- What facts are not mentioned in the paragraph but can be very helpful in evaluating the statement?
 - **The difference in the nature and severity of the road between Forestville and Elmsford.**
 - **The number of people traveling to Forestville compared to the number of people traveling to Elmsford (congestion).**
 - **the time period during which the ratios were taken and which may affect the results or be too short to judge the results.**