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Course > EDA: Examining Relationships > Case C→C > Extra Problems

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Extra Problems

These extra questions are here to give you more practice if you feel you need it. No new concepts are introduced on this page. If you've "got it", go ahead and move on to the next page. If you'd like a little more practice, work through the questions below.

Scenario: Americans Without Health Insurance

The United States federal government collects information on Americans who do not have health insurance. Data from 2004 are broken down into 4 regions of the country. These data are summarized in the table provided below. Using this table, answer the following questions.

Region	Uninsured	Insured	Total
Northeast	6,782	47,043	53,825
Midwest	7,757	57,135	64,892
South	19,090	85,800	104,890
West	11,676	55,427	67,103
Total	45,305	245,405	290,710
from 2004 census data			
figures in thousands of people			

Question

1/1 point (graded)

We wish to investigate the relationship between which two categorical variables?

☐ insured and uninsured

☐ region and uninsured

☐ region and United States☒ health insurance and region ✓☐ health insurance and United States**Answer**

Correct:

The entries for rows can be represented by the variable region, while the entries for the columns can be represented by the variable health insurance.

Submit**Question**

1/1 point (graded)

We wish to investigate if the region in which one lives affects whether or not one has health insurance.

Which would be the explanatory variable?

☐ health insurance☒ region ✓**Answer**

Correct:

The explanatory variable is used to predict (explain) the response variable. We are using the region in which one lives to predict the likelihood that one has health insurance.

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