

- Question 1

1 point

Now that you have some experience reading and interpreting articles with quantitative information, stretch your critical thinking muscles some more by reading part of an academic article based on quantitative research. Keep in mind that the intended audience for this article is not the general population, but, more likely, other social researchers and policy makers. Please read the introduction that begins on the first page and continues up to the “Methods” section on the second page. Also read the small section in blue on the first page. As you are reading, highlight any quantitative information the authors are using. Then answer the questions below. The PDF of the article can be found here:

<https://carnegiemathpathways.org/go/Caton2005>.

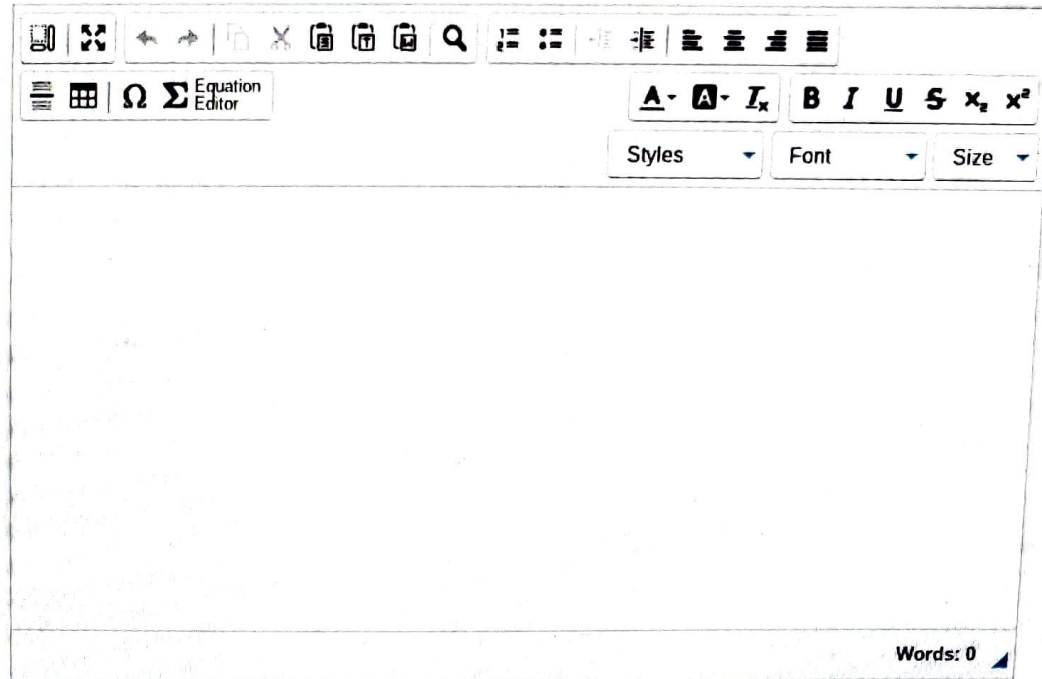
Name three factors the authors identified as distinguishing homeless people from those who have never been homeless.

[illegible]

- Question 2

1 point

What is the sample and population of interest in this study?

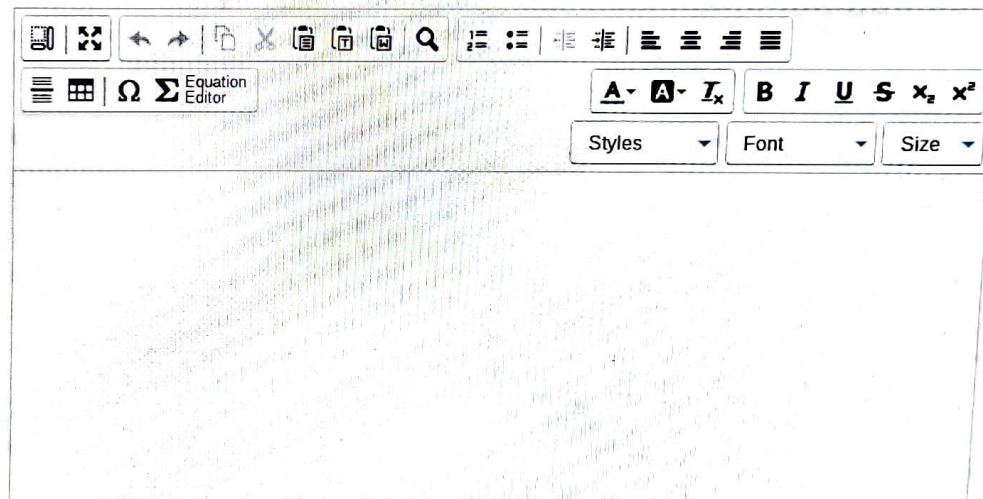


A rich text editor interface for Question 2. The toolbar includes icons for undo, redo, bold, italic, underline, strikethrough, text color, background color, bulleted list, numbered list, link, unlink, search, and a table icon. Below the toolbar are buttons for font style (A, A_x), font weight (B, I, U, S), font color (x, x²), and dropdown menus for Styles, Font, and Size. The main text area is empty. The bottom right corner shows "Words: 0".

- Question 3

1 point

Do the conclusions of this study (discussed in the section in blue) generalize to a larger population? If so, what is the largest population for whom we can generalize the conclusions? Explain.

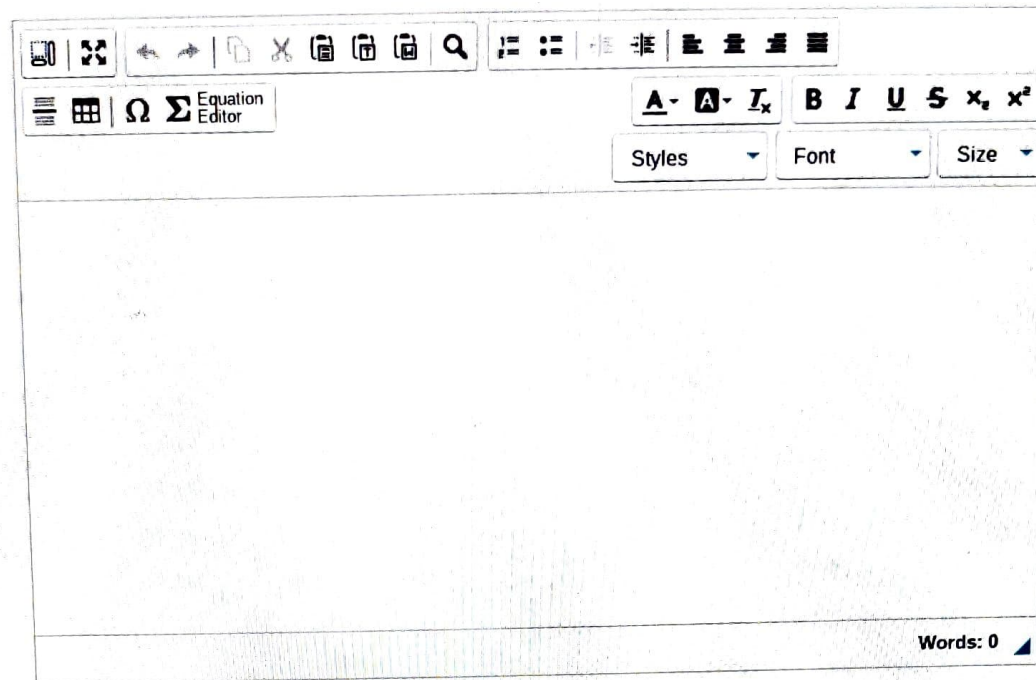


A rich text editor interface for Question 3. The toolbar includes icons for undo, redo, bold, italic, underline, strikethrough, text color, background color, bulleted list, numbered list, link, unlink, search, and a table icon. Below the toolbar are buttons for font style (A, A_x), font weight (B, I, U, S), font color (x, x²), and dropdown menus for Styles, Font, and Size. The main text area is empty. The bottom right corner shows "Words: 0".

- Question 4

1 point

The article states that this is a **longitudinal study**. In a longitudinal study, data is gathered from the same sample or population repeatedly over an extended period of time. What are some advantages to this type of study?

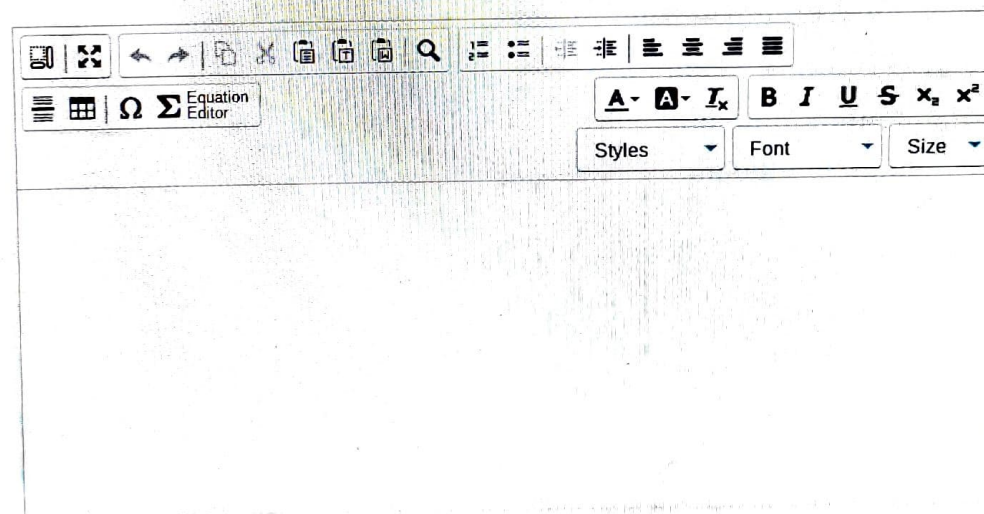


A rich text editor interface with a toolbar at the top containing icons for undo, redo, bold, italic, underline, strikethrough, link, unlink, list, and indent. Below the toolbar is a row of buttons for text color, background color, and font size. To the right of these buttons are dropdown menus for 'Styles', 'Font', and 'Size'. The main area is a large, empty text box for writing the answer. At the bottom right of the text box, it says 'Words: 0'.

- Question 5

1 point

What did this study conclude were the strongest predictors of a longer duration of homelessness?



A rich text editor interface with a toolbar at the top containing icons for undo, redo, bold, italic, underline, strikethrough, link, unlink, list, and indent. Below the toolbar is a row of buttons for text color, background color, and font size. To the right of these buttons are dropdown menus for 'Styles', 'Font', and 'Size'. The main area is a large, empty text box for writing the answer.

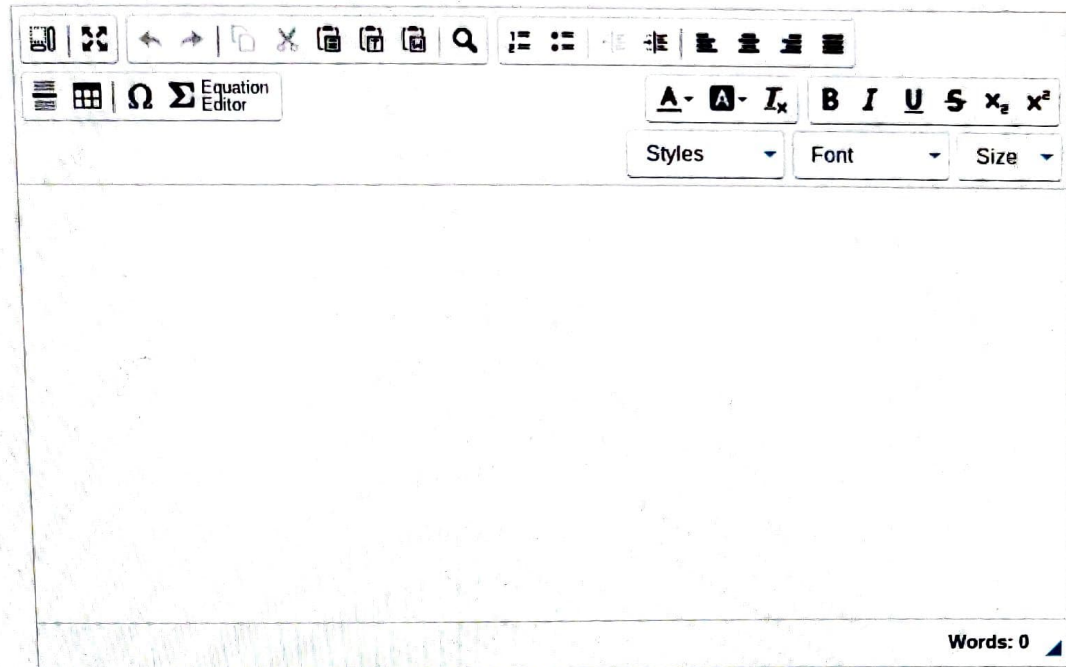
Submit Assignment

Quit & Save

- Question 6

1 point

What kinds of biases could have occurred with this study?

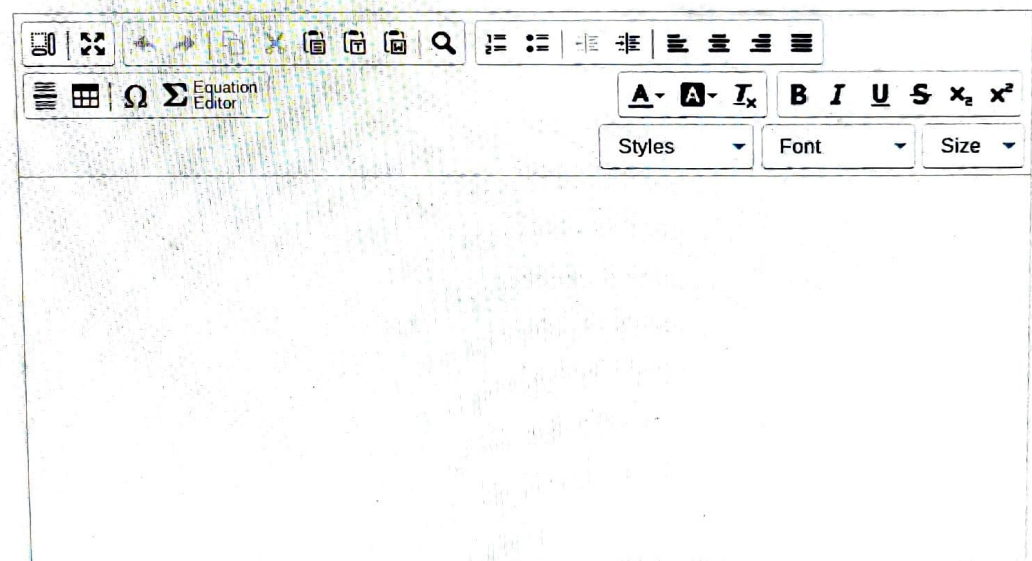


The image shows a rich text editor interface for an online assessment. The top toolbar contains icons for undo, redo, bold, italic, underline, strikethrough, text color, background color, bulleted list, numbered list, decrease indent, increase indent, link, unlink, and search. Below the toolbar is a row of buttons for text formatting: **A** (font color), **A** (background color), *I* (italic), **B** (bold), *I* (italic), U (underline), ~~S~~ (strikethrough), x_2 (subscript), and x^2 (superscript). To the right of these buttons are three dropdown menus labeled 'Styles', 'Font', and 'Size'. The main text area is empty. In the bottom right corner, it says 'Words: 0'.

- Question 7

1 point

What are some possible lurking variables that could be present in this study?



The image shows a rich text editor interface for an online assessment. The top toolbar contains icons for undo, redo, bold, italic, underline, strikethrough, text color, background color, bulleted list, numbered list, decrease indent, increase indent, link, unlink, and search. Below the toolbar is a row of buttons for text formatting: **A** (font color), **A** (background color), *I* (italic), **B** (bold), *I* (italic), U (underline), ~~S~~ (strikethrough), x_2 (subscript), and x^2 (superscript). To the right of these buttons are three dropdown menus labeled 'Styles', 'Font', and 'Size'. The main text area is empty.

- Question 8

1 point

Does this study provide evidence that a causal relationship exists between the risk factors and homelessness? Explain.

Equation Editor

A **A** *I*

B *I* U S x_2 x^2

Styles

Font

Size

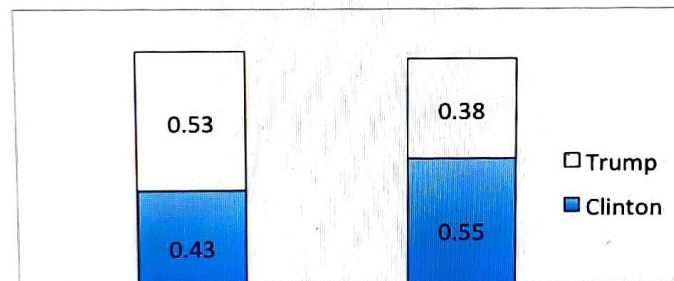
Words: 0

- Question 9

1 point

2016 United States Presidential Election: Exit Polls

The following stacked bar graph summarizes results from exit polls in the 2016 U.S. presidential election. The survey results come from questionnaires completed by approximately 24, 537 U.S. voters, of which approximately 20, 139 were leaving 350 voting places across the United States on Election Day and 4, 398 were early or absentee voters that completed the questionnaire over the telephone. These 2016 exit poll data were collected by Edison Research for the National Election Pool, a consortium of national news organizations.[†]



Submit Assignment

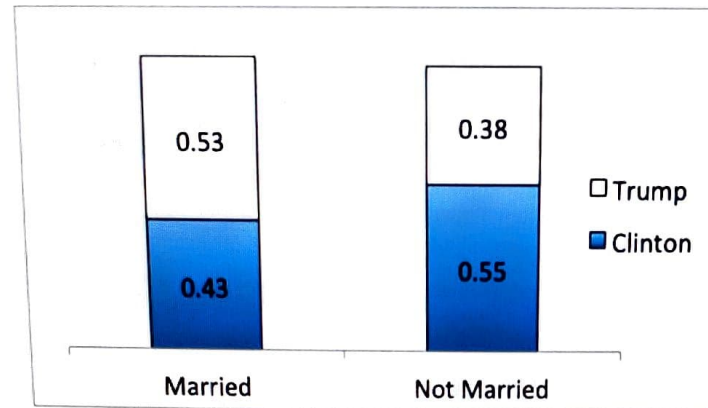
Quit & Save

Question 9

1 point

2016 United States Presidential Election: Exit Polls

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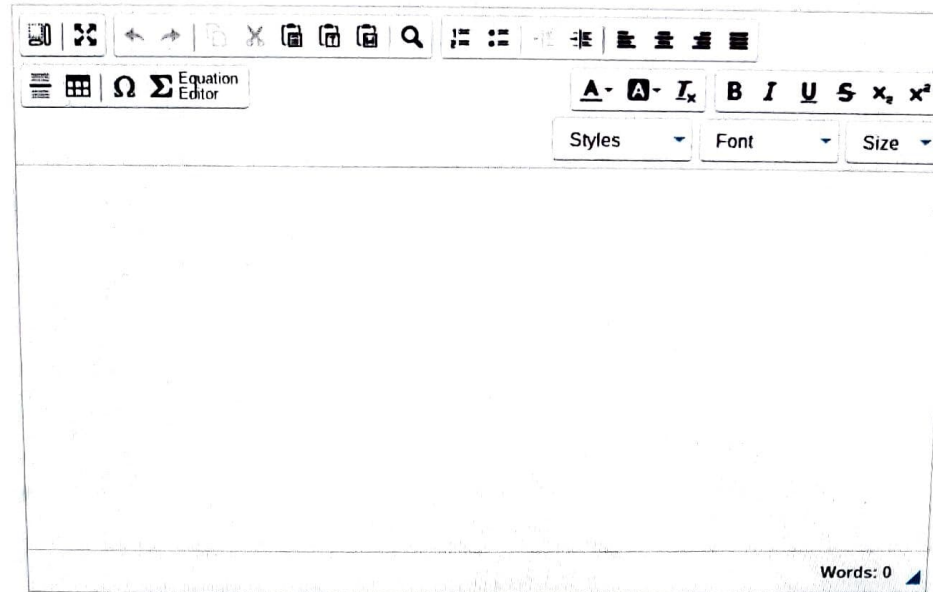
What is the sample and population of interest in this study?

[illegible]

- Question 10

1 point

What generalizations can be made based on these survey results? In your answer, clearly define the population to which generalizations can be made.

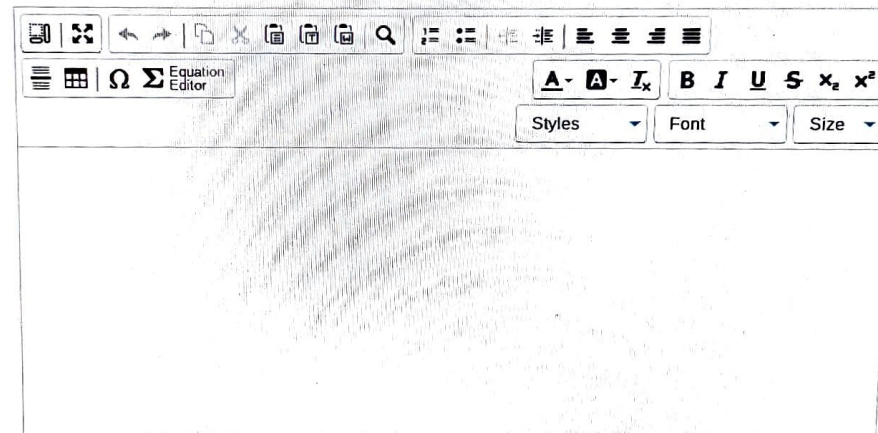


A rich text editor interface for Question 10. The toolbar includes icons for undo, redo, bold, italic, underline, strikethrough, link, unlink, list, and indent. Below the toolbar are buttons for text color, background color, and font size. The main text area is empty. At the bottom right, it says "Words: 0".

- Question 11

1 point

In this study, how is marital status related to preference for president?

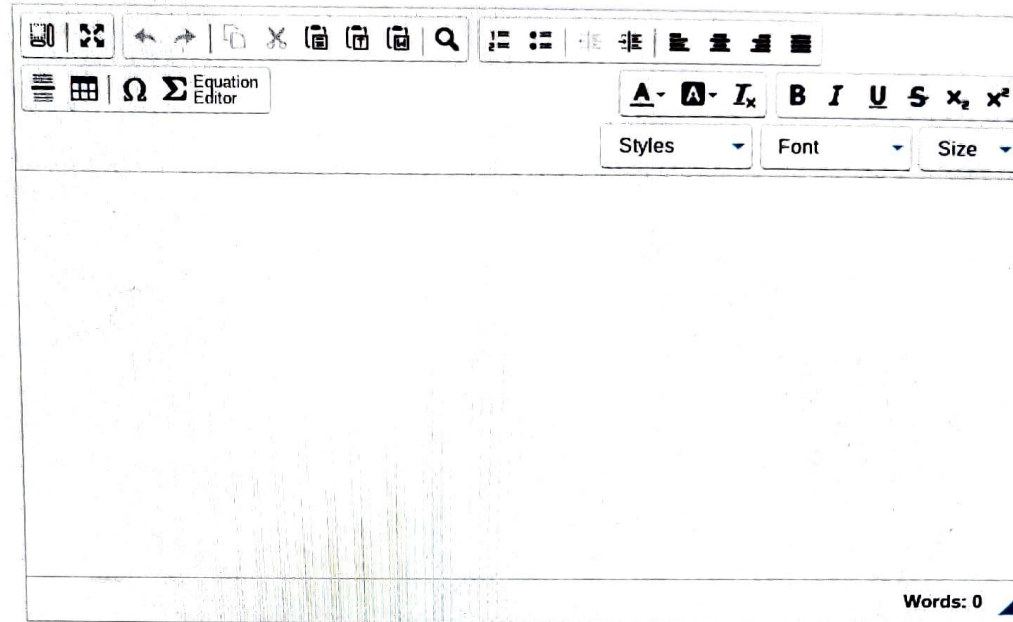


A rich text editor interface for Question 11. The toolbar includes icons for undo, redo, bold, italic, underline, strikethrough, link, unlink, list, and indent. Below the toolbar are buttons for text color, background color, and font size. The main text area is empty. At the bottom right, it says "Words: 0".

- Question 12

1 point

What are some possible lurking variables in this study that could explain the relationship between marital status and preference for president?

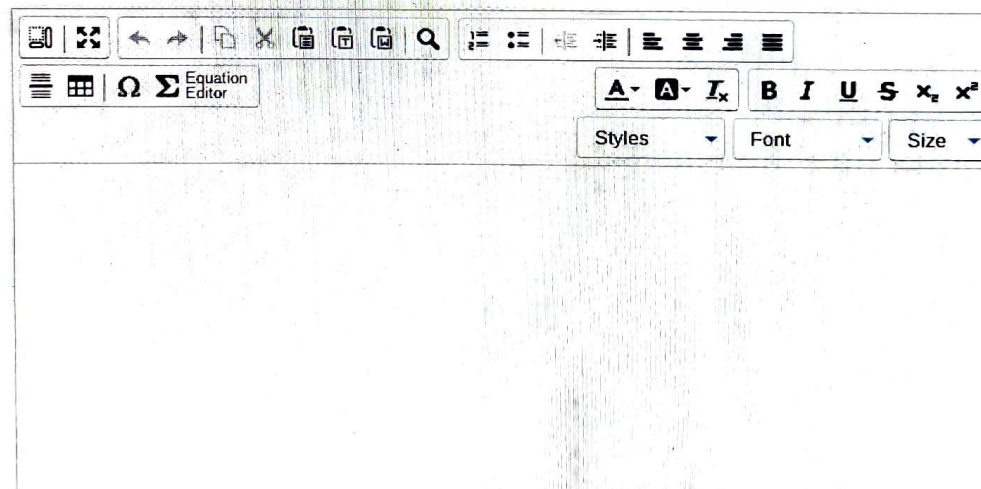


A rich text editor interface with a toolbar at the top containing icons for undo, redo, bold, italic, underline, link, unlink, list, and other formatting options. Below the toolbar are buttons for text color, background color, and font color. To the right of these buttons are dropdown menus for Styles, Font, and Size. The main area is a large empty text box for the answer. At the bottom right, it says "Words: 0".

- Question 13

1 point

What kinds of biases could have occurred with this study?



A rich text editor interface similar to the one for Question 12, with a toolbar, formatting buttons, and a large empty text box for the answer. It also includes a "Words: 0" counter at the bottom right.

2 points

A scatter plot showing the relationship between the number of hours spent studying and the test score. The x-axis is labeled 'Number of Hours Spent Studying' and ranges from 0 to 18. The y-axis is labeled 'Test Score (out of 100)' and ranges from 0 to 100. The data points are as follows:

Number of Hours Spent Studying	Test Score (out of 100)
2	50
2	76
3	41
3	61
4	59
4	78
4	81
5	55
5	64
8	71
8	92
9	73
10	86
12	85
12	95
12	100
13	81
15	77
15	91
16	96

- (Hint: What type of relationship exists between the two variables?)

Words: 0

b. What other factors might explain this relationship?


    Equation Editor

A **A** *I* **B** *I* U ~~S~~ _x ^x

Styles Font Size

Words: 0