

Answer the question in full.

1. You are interested in studying the way crime on the subway has changed in New York City during the pandemic using an experimental method. Without going into the details of how you would conduct this experiment, explain what kind of experimental method you would choose and why. Then explain the advantages and disadvantages of this type of experimental method.
2. Explain the three roles of the observer in the observation method, and then provide an example for each.
3. Provide examples (from social science!) of the different ways you would use and study variables in conducting univariate, bivariate, and multivariate methods of data analysis.
4. A client hires you to conduct outcome-based evaluation research of their program in providing low-income communities with affordable medical treatment. What kind of outcome-based evaluation research method would you use and why?