Answer the questions below.

1. What are characteristics of effective research? (Select all that apply.)

   ▫ Validity

   ▫ Reliability

   ▫ Representativeness

   ▫ Generalizability

2. A well-formulated research question is:

   ○ Easily explained away by circumstantial influence.

   ○ Informed by theory and answered with quantitative methods.

   ○ Answerable to a high degree of certainty and its answer informs theory.

   ○ Reliant on data mining, moving the field forward with new techniques.

3. Which of the following is <u>not</u> a way of describing single variables?

   ○ Measures of central tendency

   ○ Distribution

   ○ Covariance

   ○ Standard deviation

4. What is an easy way of visualising trends or relationships in continuous variables?

   ○ Scatter chart

   ○ Area chart

   ○ Stacked bar chart

   ○ Organisational chart

5. The process of identification relies on: (Select all that apply.)

   ▫ Assumptions

   ▫ Certainty

   ▫ Theory

   ▫ Statistical methods