

Name:

Statistics

Date:

Practice Quiz 1-C

1. Fill in each blank with "a" or "e".

The ___ffect of music on learning is not clearly determined. Some people feel that they are un___ffected by music when they study. Others believe that it ___ffects them significantly, whether for better or for worse. For those people, the ___ffectiveness may vary by type of music. For example, classical music may have a positive ___ffect on some people, have a negative ___ffect on others, and not ___ffect other people at all.

2. Lila hypothesizes that people who regularly get up early are happier than people who regularly get up late.

a) What is the conceptual dependent variable?

b) What are the exact levels of the independent variable?

condition one: _____

_____ is being measured

condition two: _____

c) Was there random assignment? yes no

d) What was the design? experimental quasi-experimental

Did she randomly decide who is in which condition?

Experiments use random assignments, and quasi-experiments do not.

3. State a possibility for each of the following, given a moderator variable of age.

a) a main effect

In the study overall, _____
_____.

b) a simple effect

Specifically for people who are _____,
_____.

c) an interaction

For people who are _____,
_____.

but for people who are _____,
_____.

4. Mark hypothesizes that living far away from school makes it harder to do well in school. Use the given explanation to state whether each variable below is independent, dependent, mediating, or moderating.

a) He is studying how well students do in school, so GPA could be...

b) He is studying the effect of closeness to school, so distance from school is...

c) If living far from school has a bigger effect in the winter than in the spring, then season is...

d) If living far from school only significantly affects students who don't drive, then have a license is...

e) Living close to school makes it easy for students to meet with other students to study, so studying with others is...