Name:	Statistics
Date:	Practice Quiz 1-D
Statistics & Research Methods class was a control gro	tatistics & Research Methods class, while the third period up with no pizza or candy. I hypothesized that the period as measured by test scores the test the following week. Infounding, or neither. b) success in the class (test score) I was using test scores as a way to measure learning success.
c) time of day (8:35 or 10:45) Everyone without pizza had class at 8:35, and everyone with pizza had class at 10:45.	d) class period (3 rd or 5 th) Everyone with pizza had class after everyone without pizza.
e) intelligence (IQ score) Some people in each group are smarter than others.	f) motivation (scale of 0 to 10) Some people in each group are more motivated than others.
2. The class average was significantly higher in fifth period, with the pizza party, than in third period. What causal conclusion might people draw from this finding that is not necessarily correct? The results make it seem that	
However, this was not a true experiment (there was no random assignment), so we cannot conculd	e that there is a cause-and-effect relationship.
3. Ava 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 mediating, confounding, or neither. a) Living far from school takes time away from schoolwork, resulting in lower grades, so free time is	
b) Some classes are more difficult than others, which makes it harder to get good grades, so class difficulty is	
c) Some students are more motivated than others, which causes them to do better in school, so motivation is	
d) If parents with college degrees and high-paying jobs are less likely to live far from town, then socioeconomic status is	
4. For one of the following claims, identify a possible confounding variable, sketch a diagram showing it affecting both the independent and dependent variable, and write a sentence in context explaining how the confounding variable could make the claim true correlationally but not causally. a) People who exercise regularly tend to have better GPAs. b) People with college degrees tend to have higher salaries.	
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are more likely to and are also more likely to	