1.	Download the file "Datasets.xlsx" <u>Use the data in this file for the remainder of the assignment.</u>	1 / 1 point
	Datasets XLSX File	
	How many rows of data are included in the datasets given?	
	2000	
2.	What is the covariance of Datasets A and B? Round to 2 decimal places. 81420.52	1 / 1 point
3.	Which dataset pair has the highest covariance?	1 / 1 point
	O A&B	
	B&C A&C	
	Cannot be determined with the information given.	
4.	Which dataset pair has the strongest relationship?	1 / 1 point
	● A&B ● B&C	
	A & C Cannot be determined with the information given.	
5.	Correct Given that dataset A outcomes always occur before dataset B outcomes (and no other information), can you conclude	0 / 1 point
	that A causes B?	
	Yes, because all requirements for causation are met. Yes, because covariance and correlation are both positive.	
	No, the variables are not correlated.	
	No, there is no control for external variables.	
	Incorrect See Lesson 3 - Causation	
6.	Create a histogram of Dataset A. Based on the shape of the distribution of outcomes, which of the following is most likely true?	1 / 1 point
	Higher values are much more likely to occur than lower values. Negative values are much more likely to occur than positive values.	
	All values in the range have a relatively equivalent chance of occurring, with a slightly lower probability on the high	
	end. No information can be used from this dataset.	
7.	Create a histogram of Dataset B. Based on the shape of the distribution of outcomes, select the range below that appears to have the highest probability of occurrence.	1 / 1 point
	-729 to -350 -250 to 200	
	-250 to 200 400 to 800	
	1100 to 1500	

8.	Consider 4 sets of data:	1 / 1 point
•	set W: set of all real numbers over the range 1 to 100.	
•	• set X: set of all integers over the range 1 to 100.	
•	set Y: set of all real numbers over the range 1 to 3.	
•	set Z: set of all whole numbers over the range 1 to 10,000.	
	Which set has the LEAST numbers?	
	o set W	
	set X	
	set Y	
	Set Z	
	Cannot be determined from the information given.	
	Correct	
	See Lesson 5 - Statistical Distributions	
9.	Assume that datasets Y and Z have a Covariance of -500. Which of the following do you know to be true? Select all	1 / 1 point
	that apply. Datasets Y and Z have a strong relationship.	
	Datasets Y and Z have a negative relationship.	
	You must select all of the correct answers, and none of the incorrect answers.	
	The results may be affected by the units of measurement.	
	You must select all of the correct answers, and none of the incorrect answers.	
	Datasets Y and Z have a causal relationship.	
10	Select all the examples of Discrete data below:	1 / 1 point
	Number of Bees in a beehive	
	○ Correct ○ Corre	
	You must select all of the correct answers, and none of the incorrect answers.	
	Amount of Honey in a beehive	
	Number of Fish in the sea	
	 Correct You must select all of the correct answers, and none of the incorrect answers. 	
	Tou must select all of the correct answers, and hone of the meditest answers.	
	Voltage level of a battery	
	Your dog's weight	
	Time you wake up in the morning	
	Number of Languages spoken in the world	
	 Correct You must select all of the correct answers, and none of the incorrect answers. 	
	Number of Voters for a particular candidate in an election	
	Correct	
	 Correct You must select all of the correct answers, and none of the incorrect answers. 	
	— Assessment of Occalifornial Local discussion	
	Amount of Cooking oil used in recipe Number of Animals on a farm	

Orrect
You must select all of the correct answers, and none of the incorrect answers.