1. A statistical unit is one member among the set of entities being studied.	3/3 points	4. Suppose that researchers would like to predict whether a patient's cancer will return based on several features of the patient, including the age, gender, and weight of the patient, and on characteristics of the patient's original	3 / 3 points
True		tumor, including, its radius, perimeter, smoothness, and symmetry.	
False		Which of the following is most plausibly the the population for this modeling scenario?	
		The collection of all tumors	
		The collection of all patients that might visit the hospital being observed	
		The collection of all researchers at the hospital being observed	
 Suppose that researchers would like to predict whether a patient's cancer will return based on several features of the patient, including the age, gender, and weight of the patient, and on characteristics of the patient's original tumor, including, its radius, perimeter, smoothness, and symmetry. 	3 / 3 points	The collection of all cancer patients that might visit the hospital being observed	
In this modeling scenario, the statistical unit is:			
		5. To operationalize a concept means to derive a set of steps that would allow one to measure the concept.	3 / 3 points
Each individual researcher			3 / 3 points
Each individual variable, e.g., raduis, permieter, etc.		True	
Each individual tumor		False	
Each individual patient		1 2130	
3. Suppose that researchers would like to predict whether a patient's cancer will return based on several features of the patient, including the age, gender, and weight of the patient, and on characteristics of the patient's original tumor, including, its radius, perimeter, smoothness, and symmetry. In this modeling scenario, the "output" variable is: A tumor's radius Whether or not a patient will develop another tumor	3/3 points	Consider a study meant to predict whether an individual will default on a mortgage loan based on the individual's socioeconomic status. Researchers identify socioeconomic status with income. In this study: socioeconomic status has been operationalized using income income has been operationalized using socioeconomic status No operationalization has been given	3 / 3 points
The length of a tumor's perimeter			
A tumor's smoothness			
8. Researchers should decide which interpretation of a concept would be most reasonable for their purposes only after collecting data to analyze. True	3/3 points	7. Suppose that researchers at a given hospital measure the severity of each patient's condition, along with how satisfied each patient is with their own care. Researchers hypothesize that the more severe the condition, the lower the care satisfaction score. A valid measure of the satisfaction of a patient's care: Can easily be extracted from any dataset of patient records	3 / 3 points
False		Should be carefully operationalized using relevant research on satisfaction scores.	
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