## DS UA 112: Discussion 3

September 17, 2019

## 1 Study Design

	ch of the following describe a proxy variable in study design? A proxy able is (check all that apply)
	A variable of interest
	Not a variable of interest
	Easy to measure
	Difficult to measure
	Related to a variable of interest
	Related to a population of interest
2	Census
Why	are p values meaningless when taking a census?
	The chance that a census was drawn at random is large.
	A p value expresses the chance that some measured difference (or a larger one) would arise due to random sampling.
	There is a better alternative to a p value when taking a census.
	There is no need for statistical inference when directly measuring an entire population.

## 3 Sampling

3.1	Probability Sampling
	eryone in a probability sample has an equal chance of being included e sample, this guarantees that the sample is a simple random sample ).
	True.
	False.
3.2	Simple Random Sample
	simple random sample (SRS), everyone has an equal chance of being ded in the sample.
	True
	False
3.3	Unbiased Sample
learni she fo biase shoul	wants to know how many students in her city use the internet for ing purposes. She used an email poll. Based on the replies to her poll, bund that 83% of those surveyed used the internet. Kathy's sample is d as she surveyed only the students those who use the internet. She d have randomly selected a few schools and colleges in the city to conthe survey.
biase	stion: Which one of the following sampling methods would give und results, if you need to find out the number of people in your town a vanilla or chocolate ice creams?
	Ask my neighbors
	Randomly select a few ice cream shops in town, and question people coming there
	Choose some ice cream shops in my street and survey people coming from there
	Ask few ice cream vendors