

Vocabulary Words

quantitative # , numbers  
measurable

ex: weight      age  
height      price of gas  
shoe size      time

qualitative/catagorical data :

Not measurable

Ex: number or words

↳ SS #      ↳ Example

- zip code  
30096
- phone #  
770-462-5206

color  
brand name  
car type

To get data :

How?

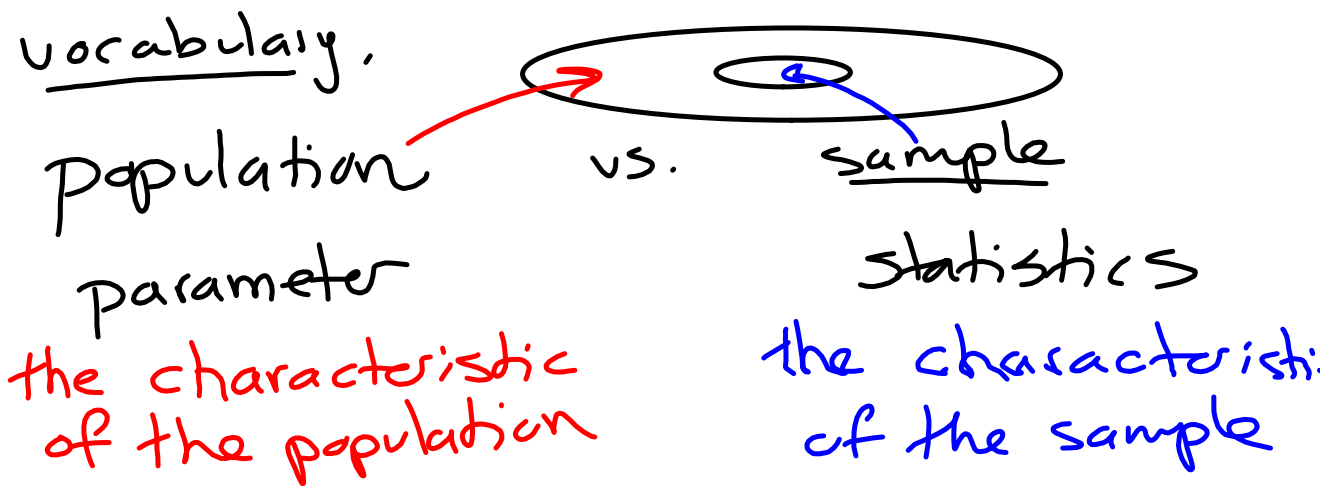
- Survey
- observation
- counts  $\Rightarrow$  qual. / quan.
- experiments
- simulations


Vocabulary

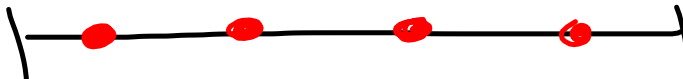
quantitative : # , amount  
                                  , measured

qualitative / categorical data  
# or word not measurable  
zip code, phone #, color, car type

Qualitative	Quantitative <u>units</u>
zip code	volume mail box #
ethnicity	speed
area code	shoe size
hair color	hair dye
street name	



continuous : 

discrete 

## Goldfish Activity

Problem: You must give a survey to the population of the goldfish.

Questions:



How will you select only 5 goldfish to survey?

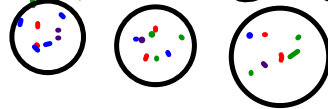
\* Explain.

Selecting the goldfish

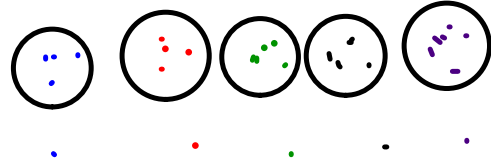
Randomly:

closed eyes & picked { in a hat  
in a cup  
in a lottery

only took one color → cluster



one of each color.



Stratified

s y s t e m a t i c



