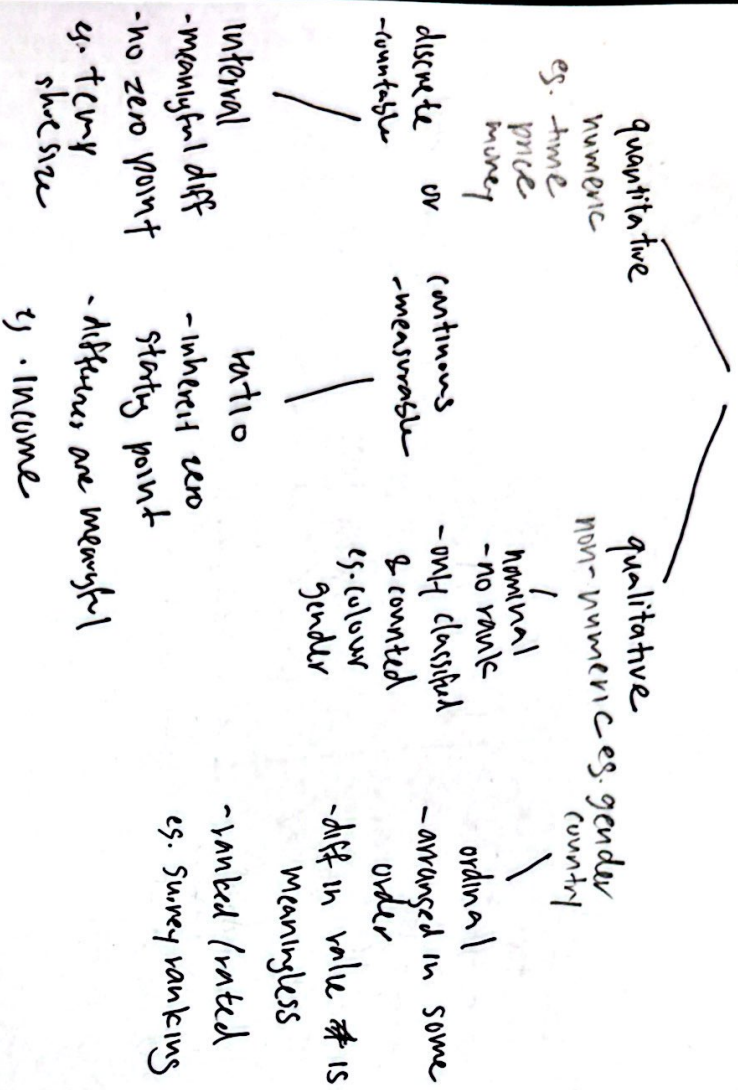


Unit 1:

Statistic = sample
parameter = population (everyone)

Types of variable



descriptive → factual and describes data collected
inferential → decision / estimate abt population, based on sample.

class frequency = no of data in each class
class upper/lower limit = largest & smallest in each class
class interval/width = upper - lower limit
class midpoint = $\frac{\text{upper} + \text{lower limit}}{2}$

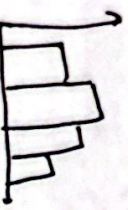
- 5 rules for construction
1. all inclusive (include all data)
 2. mutually exclusive (no double count)
 3. equal intervals (same width for all class)
 4. 5-15 class
 5. no open ended class (above or below is X)

5 step for construction

1. decide on class → $2^k > n \rightarrow$ no of data
2. determine class width → $\frac{\text{highest value} - \text{lowest}}{\text{no of class}}$
3. set limits
4. tally observations
5. count & check.

visualize frequency distribution

1. histogram
- data is distributed



2. ogive
- cumulative frequency



- drop table
- use those values to do