

1) Measure of Central Tendency

- 1) Hean or Average
- 2 Median
- 3) Mode



Mean

X={1,1,2,2,3,3,4,5,5,6}

Population moon
$$(\mu) = \frac{1}{2} \frac{\chi_i}{N}$$
 $(\bar{\chi})$. Sample = $\frac{1}{2} \frac{\chi_i}{N}$

$$(\bar{\lambda})$$
. Sample = $\frac{3}{1}$ $\frac{\chi_i}{n}$

$$= \left[\frac{1+1+2+2+3+3+4+5+6}{10} \right]$$

$$= \frac{32}{10} = 3.2 / 1.$$

$$M(dian = \frac{2+3}{2} = 2.5)$$

$$\chi = 1 + 2 + 3 + 4 + 5$$

$$\bar{\chi} = 1+2+3+4+5$$
 $\bar{\chi} = 1+2+3+4+5+100$

$$\chi = \{1,2,3,4,5,100\}$$

Median =
$$\frac{3+4}{2} = \frac{3.5}{2}$$

Median is used to find the contral Tendency When outling is present.

3) Mode: Frequency Maximum

Modc = 1

| | | K DA | AND Feat | AND Feature Engineering | | |
|---------------|------------------|-------------|----------|-------------------------|----------------|--|
| | ↓ Age | ₩ Weight | Salany | Mode Gender | Male Degree | |
| | 24 | 70 | 40K | M | BE | |
| | 25 | 80 | 70ド | F | | |
| | 21 | 95 | 45K | F | | |
| | -> 24 | | OK | М | PHD | |
| | -) 32 | _ | 6°K | <u>-</u> | B.E | |
| | | 60 | | | Masha | |
| IS MISSING | 2 - | 65 | 5TK | | BSC | |
| MISSING | * / 0 | 72 | | M | B·E | |