

Statistics

Two types of statistics

- 1) Descriptive statistics
- 2) Inferential statistics

Central Tendency / Average

- 1) Arithmetic mean
- 2) Median
- 3) Mode

Example

1 1 2 3 4

$$\frac{1+1+2+3+4}{5}$$

$$= \frac{11}{5} \Rightarrow 2.2$$

Example

3 3 3 3 3 1 0 0

$$\frac{3+3+3+3+3+1+0+0}{8}$$

$$\Rightarrow \frac{16}{8}$$

$$= 2$$

1) Arithmetic mean $\Rightarrow 2$

2) Median $\Rightarrow \frac{3+3}{2} \Rightarrow \frac{6}{2} = 3$

3) Mode $\Rightarrow 3$