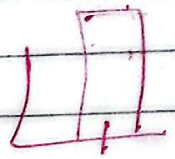
Measures of central Tendency.

Date: Day:

→ Mean } → Quantitative.
→ Median }
→ Mode → Qualitative / Quantitative.

Mean: $\bar{x} = \frac{\Sigma x}{n}$



2, 3, 1, 5, 4, 2, 3, 20

$\bar{x} = \frac{2+3+1+5+4+2+3}{7} = \frac{20}{7} = 2.9 \approx 3$ sec

$\bar{x} = \frac{40}{8} = 5$ sec

Mean is not good when data contains outliers or extreme value.

$(4\times7) + (2\times1) + (3\times3) + 1 + 4$

* weighted mean

$\bar{x}_w = \frac{\Sigma w_i x_i}{\Sigma w_i}$ $i = 1, 2 \ldots n$

items	exp.	w	wx
Food.	7	~~0.4~~	
clothing.	2	0.1	
Fee	5	0.2	
fuel.	1	0.3	
Rent	4	0.5	
		1	