

DAY

9-12am

Dec 10

# VARIANCE

Age						Means ( $\bar{x}$ )
Friends (x)	17	19	18	17	19	18
$(x - \bar{x})$	-1	1	0	-1	1	0
$(x - \bar{x})^2$	1	1	0	1	1	4
VARIANCE						$\frac{1}{5} \cdot 4 = 4/5$

Family						mean
	7	38	4	23	18	18
$(x - \bar{x})$	-11	20	-14	5	0	0
$(x - \bar{x})^2$	121	400	196	25	0	742
VARIANCE						$\frac{1}{5} \cdot 742 = 148$

$$VARIANCE = \frac{1}{N} \sum (x - \bar{x})^2 =$$