

Class Exercise

Grouped Data: CALCULATION OF MEAN			
Age	F	Y	FY
18-25	38	22	
26-30	47	28	
31-35	60	33	
36-40	63	38	
41-45	56	43	
46-50	32	48	
>50	18	50	

$$Mean = \frac{\sum (FY)}{\sum F}$$

314 ΣFY

Grouped Data: CALCULATION OF SD					
Age	F	Y	Y-MEAN	Y-MEAN ²	F(Y-MEAN) ²
18-25	38	22			
26-30	47	28			
31-35	60	33			
36-40	63	38			
41-45	56	43			
46-50	32	48			
>50	18	50			

$$s^2 = \frac{\sum F(Y - Mean)^2}{n - 1}$$

314 $\Sigma F(Y-MEAN)^2$