AGSC 135 - Computer Applications in Research I

Spring 2001 **HW#4** **By:**

Problem2

Class		X	f	F
90	100			
100	110			
110	120			
120	130			
	Sum =			

	f X	$f X^2$	$f (X - X_{mean})$	$f (X - X_{mean})^2$
Sum=				

n =

X_{mean} = *SUM(X_i)/SUM(f)*

=

Median Class = *SUM(f)/2*

= => Median Class is ??-??

Median = *L+(SUM(f)/2-F)*I/f*

=

Modal Class = *Class with the Higest Frequency*

= => Modal Class is ??-??

Mode = *L+(d_1)*I/(d_1 + d_2)*

=

n =

S.D.= $\{[SUM(f X_i^2)-[SUM(f X_i)]^2/SUM(f)]/(SUM(f)-1)\}^{0.5}$

=

S.D.= $\{[SUM(f (X_i - X_{mean})^2)]/(SUM(f)-1)\}^{0.5}$

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