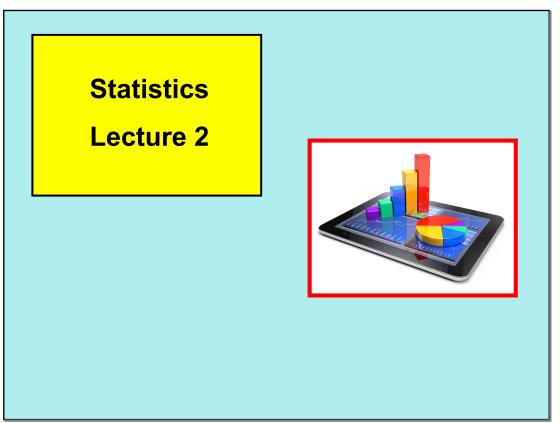
TI.



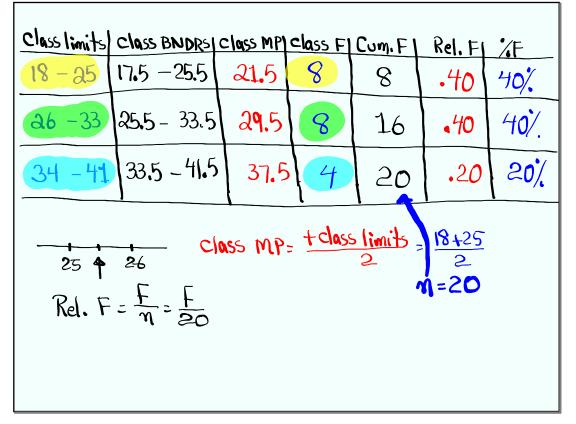
Feb 19-8:47 AM

Organizing Data Set
we can do this in a table called
Srequency table.
Class limits Class BNDRS1 class MPI class FI Cum. FI Rel. FI %F
In order to make the table,
1) How many Classes (Will be Biven) 2) Range Of Jata Set. Range=Max—Min
class width = $\frac{Range}{\# of classes}$
If Jecimal -> Round-up
IS whole -> Add I

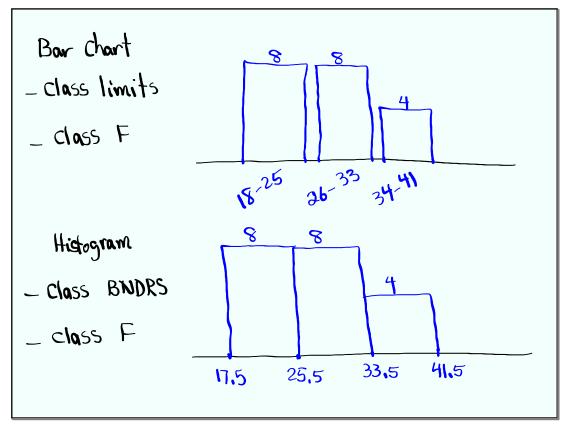
A data Set has a min. Value of 50 and  
max. Value of 90.  
1) Range = Max - Min = 90 - 50 = 40  
2) Class width if we wish to have 4 classes.  
Class width = Range = 
$$\frac{40}{4} = 10$$
 [Cw= II]  
3) Class width if we wish to have 3 classes.  
Class width = Range =  $\frac{40}{3} = 13.3$  [Cw= 14]  
Decimal

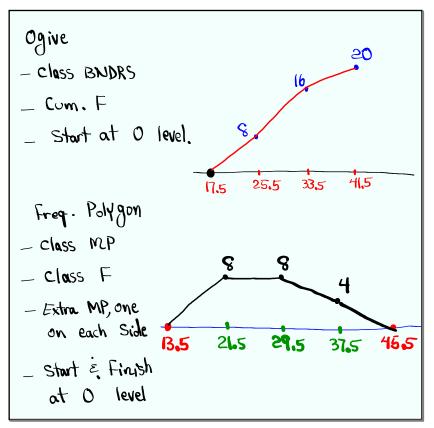
Feb 12-1:55 PM

I randomly Selected 20 Students and here are their ages. 20 24 1) Sample Size n=20 05 81 18 25 25 28 28 a) Max=40 Min=18 25 31 32 32 30 29 3) Range = Max - Min = 40 - 18 = [22] 35 36 39 40 4) Find class width if we wish to have a freq. table with 3 classes. Class width =  $\frac{Range}{\# classes} = \frac{22}{3} = 7.3$ CW=8 Decimal



Feb 12-2:05 PM





## Feb 12-2:21 PM

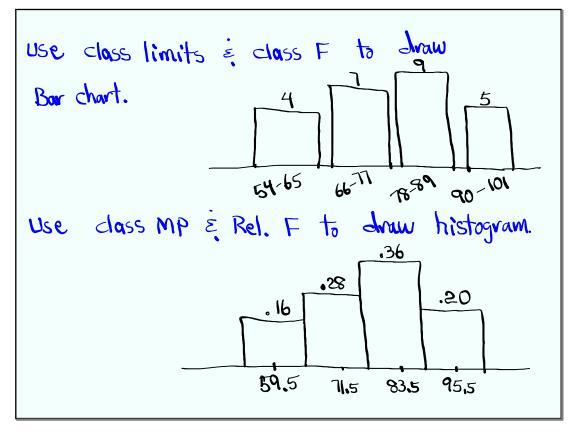
40/. Pie chart 29.5 - Circle 50 37.5 21.5 - ! F for Size of each Slice 40% \_ class MP to name each Slice

I randomly selected 25 exams, here are the Scores:  

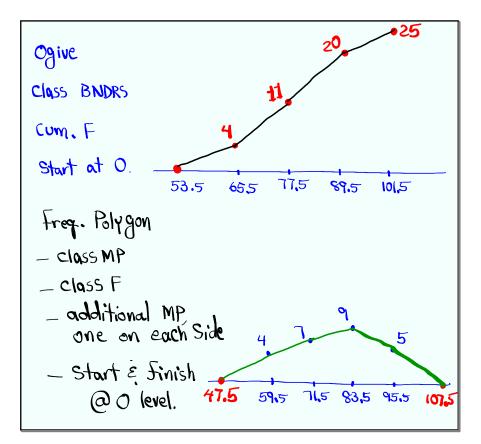
$$54 58 60 62 68$$
 1) 12= 25  
 $68 70 72 75 75$  2) Min.=54 Max.=98  
 $75 78 79 80 82$  2) Min.=54 Max.=98  
 $84 84 84 88 89$  3) Range = Max - Min.  
 $90 92 94 96 98 = 98 - 54 = 44$   
4) Midrange =  $\frac{Max + Min}{2} = \frac{98 + 54}{2} = 76$   
5) Find class width if we wish to have  
 $44 \text{ classes.}$   
 $15 \text{ class width} = \frac{Range}{4} = 44$  = 11 CW=12  
 $12 \text{ classes.}$   
 $13 \text{ class.} = \frac{44}{4} = 11$   
 $12 \text{ classes.}$   
 $13 \text{ class.} = \frac{44}{4} = 11$   
 $13 \text{ class.} = 12$   
 $13 \text{ class.} = \frac{44}{4} = 11$   
 $13 \text{ class.} = \frac{44}{4} = 11$ 

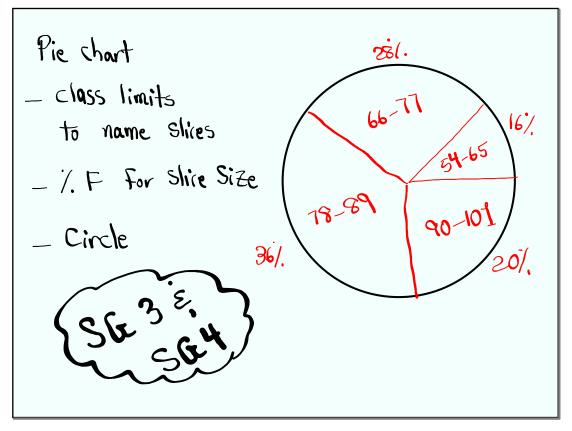
Feb 12-2:29 PM

Class limits class BNDRS class MP class F Cum. F Rel. F % F  
54-65 53.5-65.5 59.5 4 4 .16 16%  
66-77 655-77.5 71.5 7 11 .28 28%  
78-89 77.5-89.5 83.5 9 20 .36 36%  
90-101 89.5-101.5 95.5 5 25 .20 20%  
Class MP= t class limits = 54+65 
$$\pi$$
=25  
Rel. F =  $\frac{5}{\pi} = \frac{5}{25}$   
what %, of Scores were below 90? 36% +28% +16%  
= 80%.  
what %, of Scores were above 65?  
28% + 36% +20% = 84%.



Feb 12-2:50 PM





Feb 12-3:03 PM