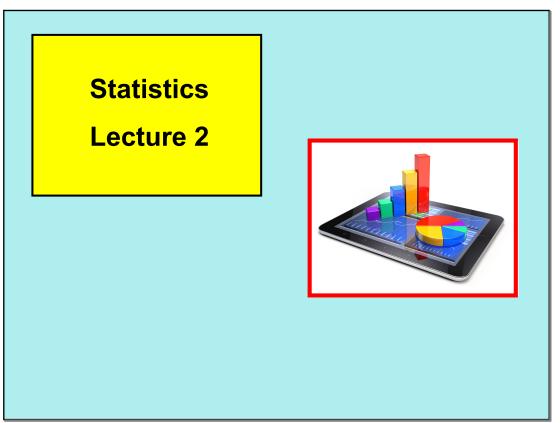
TI.



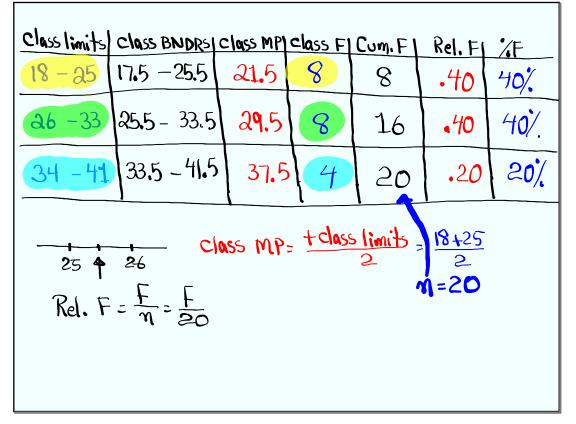
Feb 19-8:47 AM

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

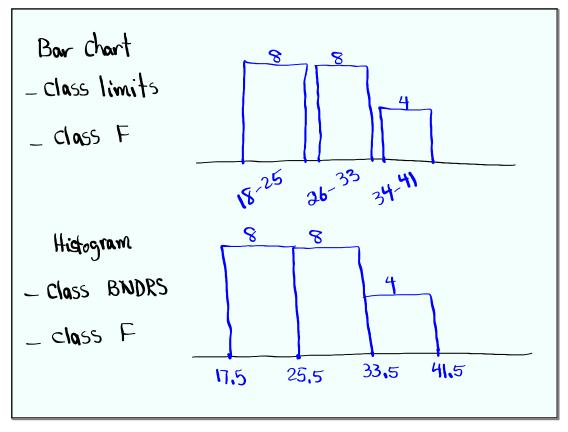
A data Set has a min. Value of 50 and
max. Value of 90.
1) Range = Max - Min = 90 - 50 = 40
2) Class width if we wish to have 4 classes.
Class width = Range =
$$\frac{40}{4} = 10$$
 [Cw= II]
3) Class width if we wish to have 3 classes.
Class width = Range = $\frac{40}{3} = 13.3$ [Cw= 14]
Decimal

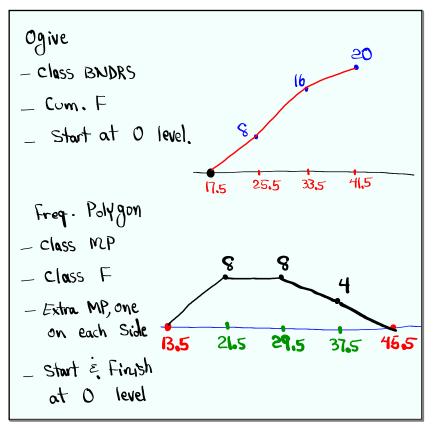
Feb 12-1:55 PM

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

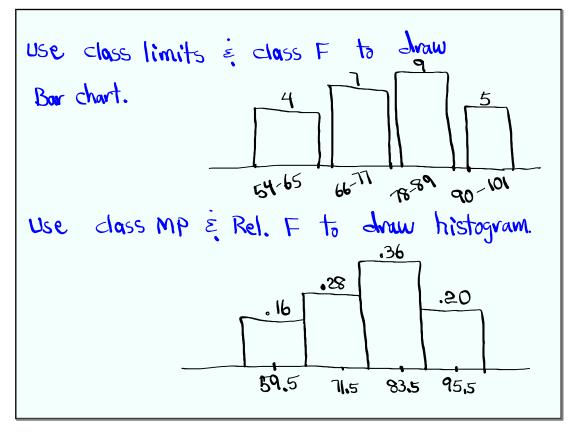
40/. Pie chart 29.5 - Circle 50 37.5 21.5 - ! F for Size of each Slice 40% _ class MP to name each Slice

I randomly selected 25 exams, here are the Scores:

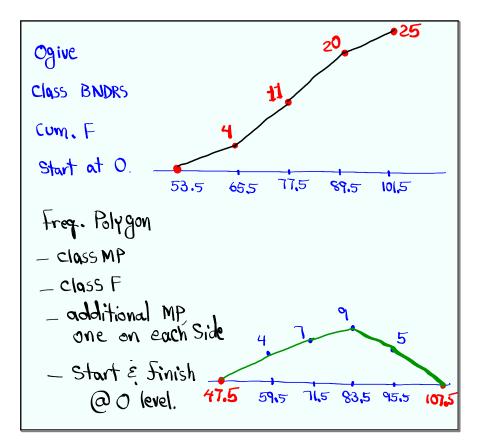
$$54 58 60 62 68$$
 1) 12= 25
 $68 70 72 75 75$ 2) Min.=54 Max.=98
 $75 78 79 80 82$ 2) Min.=54 Max.=98
 $84 84 84 88 89$ 3) Range = Max - Min.
 $90 92 94 96 98 = 98 - 54 = 44$
4) Midrange = $\frac{Max + Min}{2} = \frac{98 + 54}{2} = 76$
5) Find class width if we wish to have
 44 classes.
 $15 \text{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

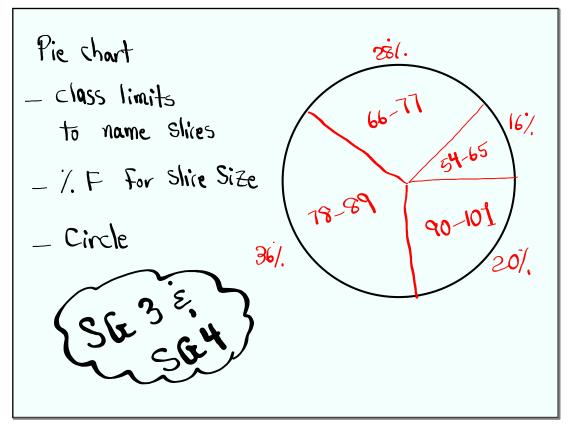
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Class limits class BNDRS class MP class F Cum. F Rel. F % F
54-65 53.5-65.5 59.5 4 4 .16 16%
66-77 655-77.5 71.5 7 11 .28 28%
78-89 77.5-89.5 83.5 9 20 .36 36%
90-101 89.5-101.5 95.5 5 25 .20 20%
Class MP= t class limits = 54+65
$$\pi$$
=25
Rel. F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