

Class QZ 1:
1) what time does this class stort?
16:00 AM/
2) what kind of Calculator are allowed
Sor this class? ITS or TI-84/
3) Evaluate:
$$\frac{52-40}{5} = \frac{12}{5} = \frac{12}{1.25} = 9.6/$$

How to organize collected data & Stedie
graph them:
10 randomly selected quizzes have following
Scores:
2 3 4 5 5 1) Sample Size (1=10)
5 6 8 9 10 2) Min=2, Max=10
3) Mode: Data element with highest frequency.
5
4) Range= Max - Min = 10 - 2 = 8
5) Midnange = Max + Min = 10 + 2 = 12 = 6
6) Take Range, divide it by 3 &
decimal round up, is whole #, add 1

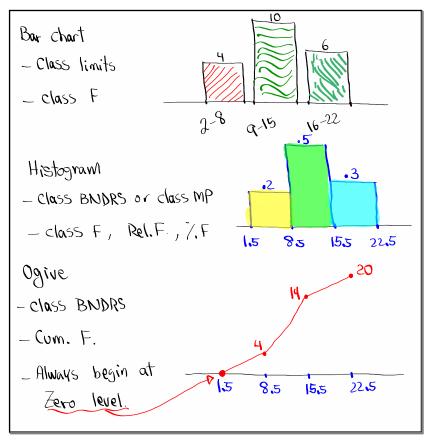
$$\frac{8}{3}$$
 = 2.6 = P3
7) Take Range, divide it by 2 &
decimal round up, is whole #, add 1
 $\frac{8}{2}$ = 4 = 5

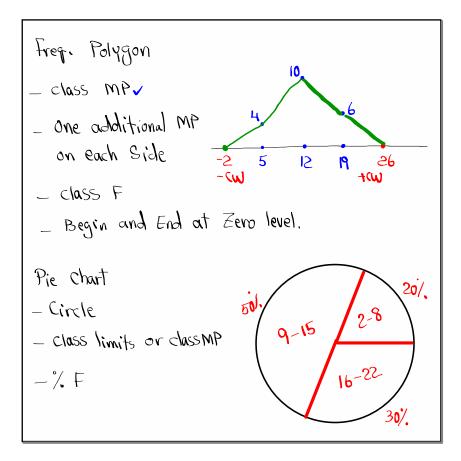
Consider the Sample below:
3, 4, 5, 5, 1) Sample Size
$$M=9$$

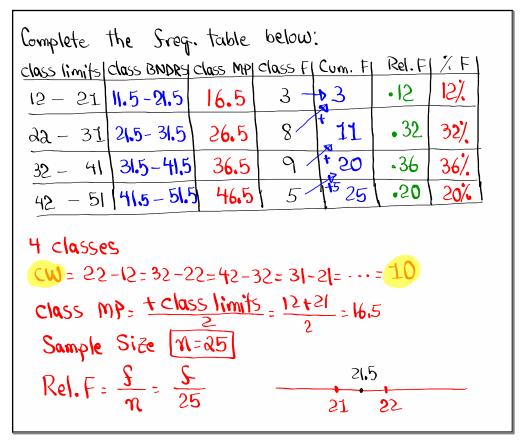
6, 6, 7, 9
a) Min. = B & Max = 9
a) Mode = 5 & Bimodal
3) Mode = 5 & Bimodal
4) Ronge = Max - Min
 $=9-3 = -6$
5) Midvange = $\frac{Max + Min}{2} = \frac{9+3}{2}$
 $=-6$
6) Divide range by 2, is decimal \rightarrow Round-up
 $\frac{6}{2} = 3 = -7$
is whole $\Rightarrow \rightarrow$ Add 1
7) Divide range by 4, is decimal \rightarrow Round-up
 $\frac{6}{4} = -5$ $\Rightarrow \ge$
is whole $\Rightarrow + \rightarrow$ Add 1

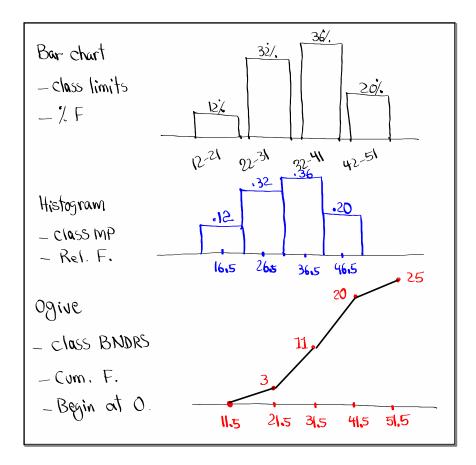
To organize a data Set => we need to											
build a Srequency table.											
class limits class BNDRS class MPI class FI Cum. FI Rel. FI % F											
Each row represents a class.											
A combination of different Columns help us											
to do Graphing.											
1) Bar chart 4) Sreq. Polygon											
2) Histogram 5) Pie chart											
3) Ogive		6) STE	m Plot ditional	info	1) Box . Ne	. Plot eded.					

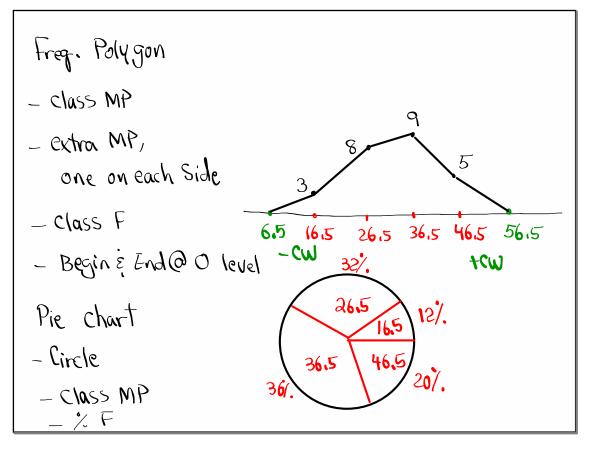
Consider the chart below:
class limits class BNDASI class MPI class FI Com. FI Rel. F. :. F
a - 8 1.5 - 8.5 5 4 4 20 20.
9 - 15 8.5 - 15.5 12 10 1 14 .50 50.
16 - 22 15.5 - 22.5 19 6 1 20 .30 30.
3 Rows => 3 classes
class width => 9 - 2 = 15 - 8 = 16 - 9 = 22 - 15 - 19
class MP =
$$\frac{1}{2}$$
 class limits, Sind Sirst MP, then add
cw.
Sample Size $N = Last = 10$ Com. F. Column $N = 20$
Rel. F = $\frac{5}{N} = \frac{5}{20}$





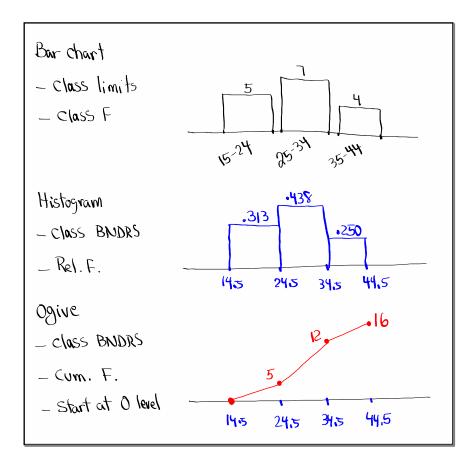


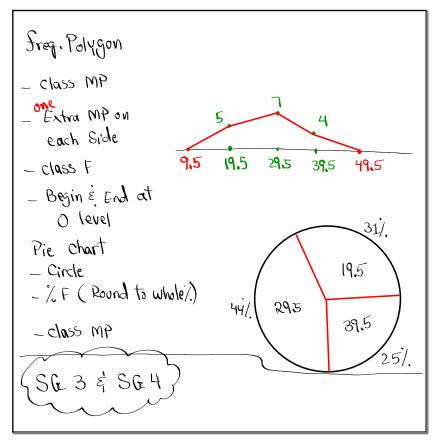




Now making
$$Sreq$$
. table from Scratch:
Consider the row data below
15 18 20 20 24 1) $n=16$
25 28 28 28 29 a) Min = 15 Max=43
30 32 35 39 40
3) Range: Max - Min = a8
43
43
4) Make a Sreq. table with 3 classes.
Class width: $\frac{Range}{\pi}$ classes
IS decimal \rightarrow Round-up
IS whole $\#$ \rightarrow Add 1

15 18 25 28	20 20 28 28	24	Make "Data		•	•		
30 32	35 39	40	15	8				
$\begin{array}{c} 43 \\ (n=16) \\ (n=10) \\ $								
Class limits class BNDRS class MPI class FI Cum. FI Rel. FI %. FI								
15 - d4	14.5-24.5	19.5	5 -	₽5	•3 3	31.3%		
25 - 34	24.5-34.5	29.5	ر	51 F	.438	43.8/.		
35-44	345-44.5	39,5	4 /	16	• 3 50	d5.0/		
Rel. $F = \frac{S}{m} = \frac{S}{6}$ class MP: t class limits								





Class QZ 2
Consider the Sample 2,4,5,5,9
1) Sample Size
$$n$$

 $n=5$
2) Sind $\sum x = 2 + 4 + 5 + 5 + 9 = [35]$
Add all data elements
3) Sind $\sum x^2 = 2^2 + 4^2 + 5^2 + 5^2 + 9^2 = 4 + 16 + 25 + 25 + 8] = [15]]$
Square each data elements, then add.