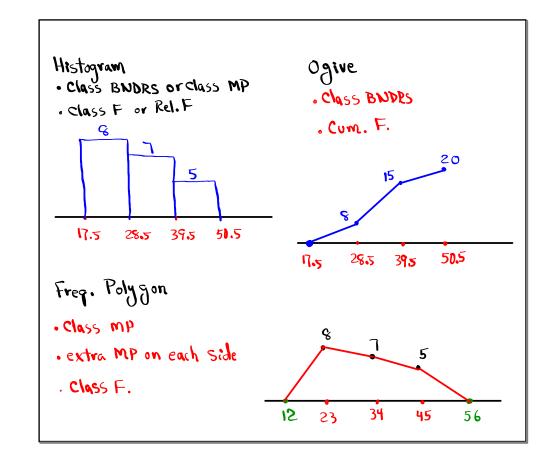
Math 110
Winter 2021
Lecture 2

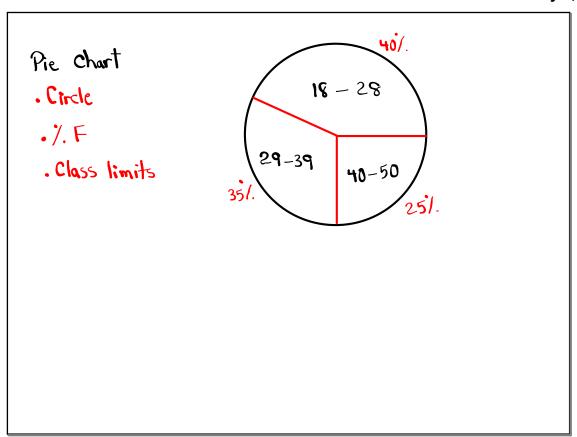


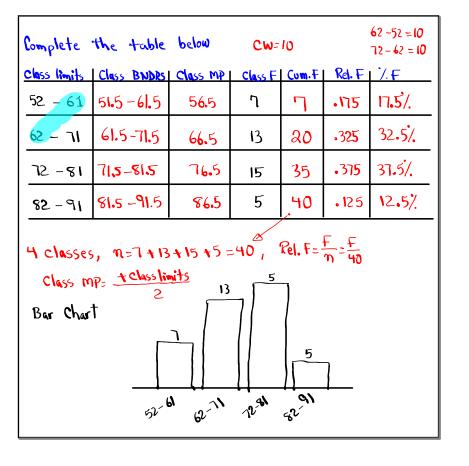
```
ch. 2
          S& 3 & 4
                         I randomly selected 20
1) Collect data
                          Students, and here are their ggs:
2) organize them
                          18 19 19 21 23
3) Graph them
                           30 31 32 35 39
                           40 41 43 45 48
                               2) Min=18, Max=48
1) Sample Size n=20
                               4) Midrange = Max + Min 2
3) Range = Max - Min
                                            =\frac{48+18}{2}=\overline{33}
         = 48 - 18 = 30
                              6) Construct a Sreq. table
5) mode = 19,25,30
          Trimodal
                                 with 3 classes.
                              Class width = Range - 30 3
                 IS decimal => Round-up

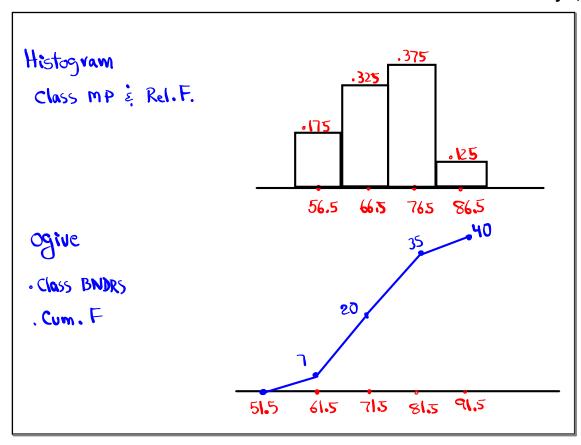
IS whole => Add 1
                                        =P | CW=11 |
```

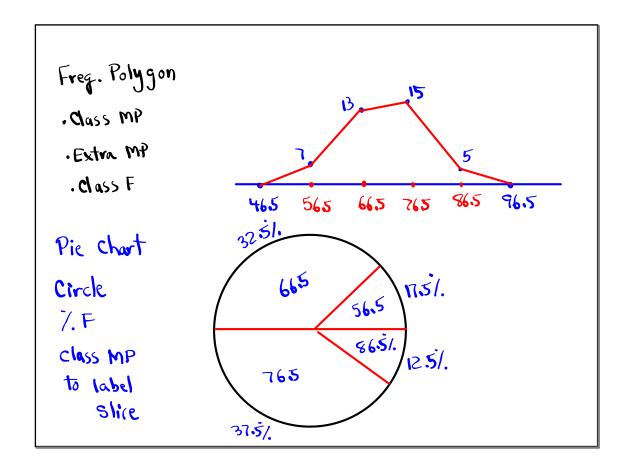
CW= 11									
Class limits	Class BNDRS	Class MP	class F	(vm.F	Rel. F	<u>%F</u>			
18 - 28	17.5 -28.5	23	8 —	→ 8	.40	40%			
29- 39	28.5 - 39.5	34	77	15	•35	35".			
40 - 50	39.5 - 50.5	45	5>	2 0	.25	25%			
Class mp = $\frac{t \text{ class limits}}{2}$ $n=20$ Rel. $F = \frac{F}{n} = \frac{F}{20}$									
28.5 (1) Bar Chart • Class limits • Class F.									









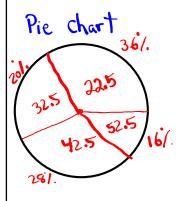


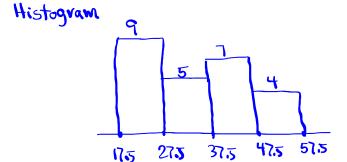
3 015 5689 2) Range =
$$55 - 18 = 37$$
4 235558
5 025
3) Midrange = $\frac{55+18}{2} = 36$

3) Midrange =
$$\frac{55 + 18}{2}$$
 = 36.5

5) class width Sor 4 classes.
$$CW = \frac{Range}{4} = \frac{37}{4} = 9.25$$

(W= 10						n=25
class limits	Class BNDRS	Class MP	Class F	Cura. F	Rel.F	7.F
18 - 27	17.5 -27.5	a a.5	9	9	.36	3 6 /.
28 – 37	27.5 - 37.5	32.5	5	14	.20	20/.
38 -47	375 - 475	42.5	7	21	.28	28/.
48- 57	47.5 - 57.5	52 .5	4	25	.16	16%





- Class QZ1

 0 Simplify: $\frac{8.150 30^2}{8.7}$
- (3) Find 8! 5!(3) Draw $y = \frac{2}{5}x 2$