## Section 3.9: Using frequency tables for statistical analysis of data (without the data set).

## Ages of Family members at a family reunion

	Age (in years)	Frequency	MIG POINT	
	0-10	10.		
	10-20	20.	5 15 25 35	
	20-30	33.	75	
	30-40	(65)	→ 36	
	40-50	33	45 65	
	50-60	20	55	
	60-70	† 10	65	
<u></u>	8/1			
		191	33 33	
1.	. Based on the frequency table wi	nat would the histogram look	like?	
		SYMMETRIC	20 20	
0.60			10 710	
	<u>.</u>		10	
2.	What is the range of the data? :	MAX - MIN		
		65 - 5 = 60	YEARS	
		4.000 - 000- 1 101	1 ACK AT THE MOULE	
3.	What is the median of the data?	MITODLE POLSON IN	AGE AT THE REUNION	
	His Hin	#G6	The second secon	
	#10 #30	100	35 YRS OLI	)
	1	MEDIAN		-
	YOUNGEST		OLDEST -	
	POSITION #1	POSITION 191 - 96	5.5 POSITION # 191	
4.	What is the mode of the data?	4-	), i	
		# 96		
12.6	35 YEARS	3 OLD		

5. What is the mean of data?

ANERAGE 
$$(\bar{X}) = (10.5) + (20.15) + (33.25) + (65.35) + (65.35) + (65.35) + (10.55)$$

Using the following table answer the following questions.

2. Find the mean, median, mode, and range given the frequency table below which represents the age of people at a family reunion.

Interval	Frequency	M 11) POINT
10-20	5	15
20-30	(6)	25
30-40	3	35
40-50	0	45
50-60	6 -	55
60-70	+ 4	65
	2.4	

MEAN 
$$(\overline{X}) = \frac{5 \cdot (15) + 6(25) + 3(35) + 0(45) + 6(55) + 4(65)}{24} = \frac{920}{24} = 38.3$$
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