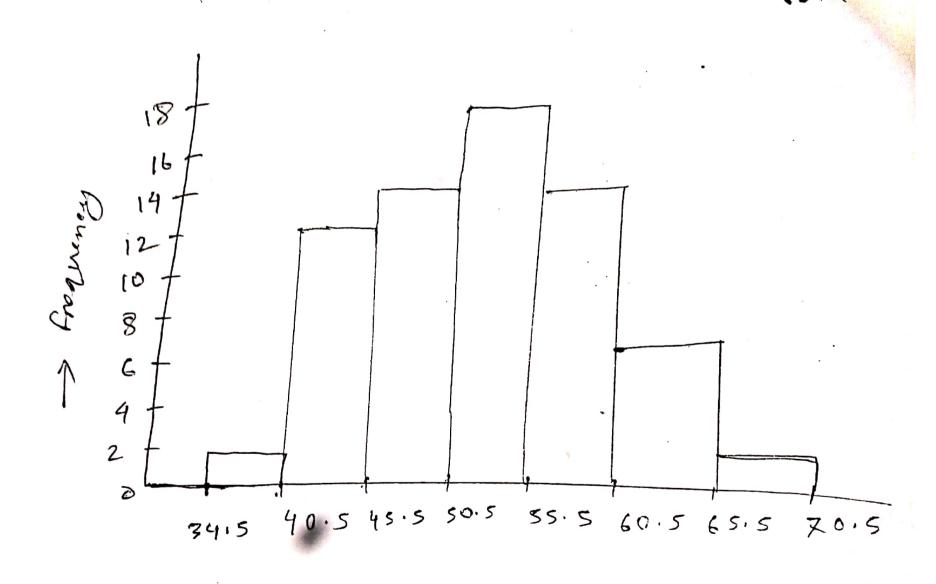
Histogram

The most common form of graphical presentation of a frequency distribution is the histogram. A histogram is constructed by placing the class boundaries on the honizontal axis of a graph and the frequencies on the varietal axis. fach class is shown on the graph by drawing a rectangle whose base is the class boundary and whose height is the corresponding. "

Inequency for the class.

Example: Frequency distribution table of weights of first year honours students in statistics (2014-15) for the construction of histogram

n boundary	frequency	
.5 - 40.5	2	
1.5 - 45.5	12	
15 - 50.5	14	
.5 - 55.5	12	***************************************
5.5 -60.5	. 14	-
5 - 65.5	8	
5 - 70.5.	2_	
	1.5 - 40.5 1.5 - 45.5 1.5 - 50.5 1.5 - 55.5 1.5 - 60.5 1.5 - 60.5 1.5 - 65.5 1.5 - 70.5	1.5 - 40.5 $1.5 - 45.5$ $1.5 - 50.5$ $1.5 - 55.5$ $1.5 - 60.5$ 1.4 $1.5 - 65.5$



Scanned with CamScanner

To construct a histogram for a frequency distribution with unequal class widths

Table: Data for constructing histogram with unequal class widths

		CHOVYD	$\omega \omega \gamma v$		Teal. 4 × 10
Clarinterval	Class	Prequency	Class Width	noetangles 4 = 0.4	
48 - 58	48.5 - 58.5	-4	10	10 20.8	8
	58.5-68.5	5	5	10 5 = 1	10
65 /-	68.5-73.5	5	5	1 .	10
79	78.5 - 98.5	28	20	28 = 1.4	14
79-98					

Stam and leaf plot :

Stem and leaf plot is a graphical technique of representing quantitative data that can be used to examine the shape of a frequency distribution, the range of the values , and point of concentration of the ralues and onether there are any extreme values in mediate of the values and compared to other graphical techniques presented thus fare, stem and leaf plot is an early and quick way of displaying data.

Example: The following data represent the imarifor obtained by 20 rotadents in a statistics test 84 17 38 45 47 53 76 54 75 22 66 65 55 59 51 33 39 19 54 72

Wr. Then annange the leaves in ascording orders in orders to make the plot a bit menters and give an explanatory message on a key. The final figure

Stern | 1eaf-1 79 2 2 3 89 4 57 5 194445 6 56 7 256 8 9

1/7 represents 17