

07/11/2019

class age	f	class Boundaries	R.f	Percentage = R.f × 100
20-29	1	19.5 - 29.5	0.122	
30-39	26	29.5 - 39.5	3.1707	
40-49	35	39.5 - 49.5	4.268	
50-59	13	49.5 - 59.5	1.585	
60-69	6	59.5 - 69.5	0.731	
70-79	1	69.5 - 79.5	0.122	
	Σ f			

lower class limit:

classwidth:

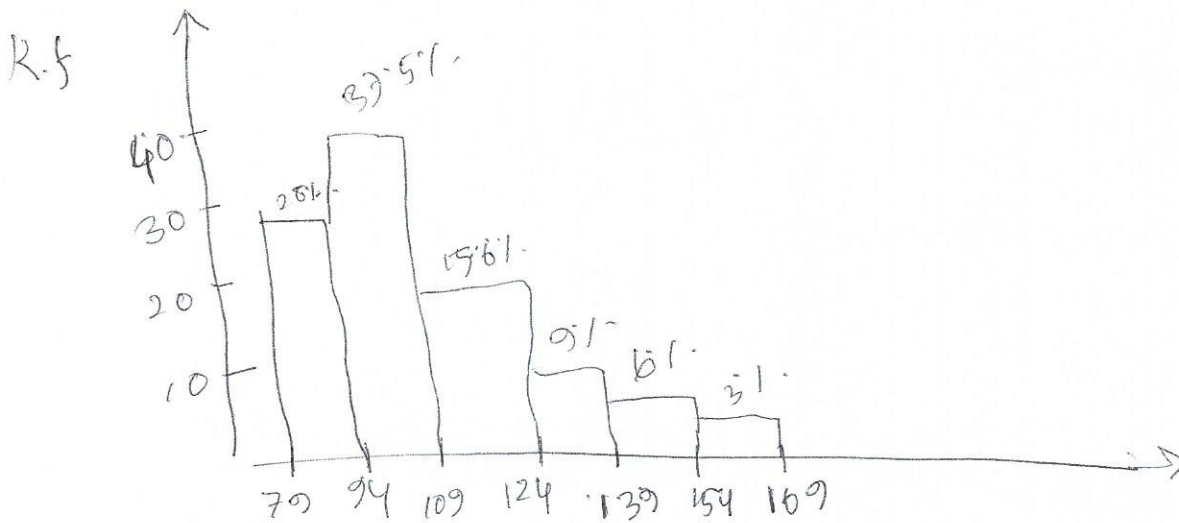
one class = one bar

Stat A (4.1)

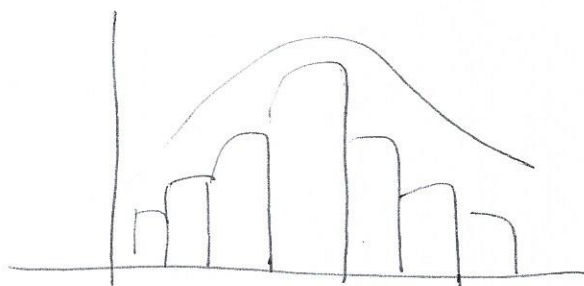
$$\text{class width} = \frac{166-79}{6} = 14.5 \approx 15$$

Class	f	Midpoint = $\frac{\text{Upper} + \text{Lower}}{2}$	$\frac{f}{\Sigma f}$	$\frac{f}{\Sigma f}$
79 - 93	9	86	$\frac{9}{32}$ 0.28125	28.125%
94 - 108	12	101	0.375	37.5%
109 - 123	5	116	0.15625	15.625%
124 - 138	3	131	0.09375	9.375%
139 - 153	2	146	0.0625	6.25%
154 - 168	1	161	0.03125	3.125%
$\Sigma f = 32$				

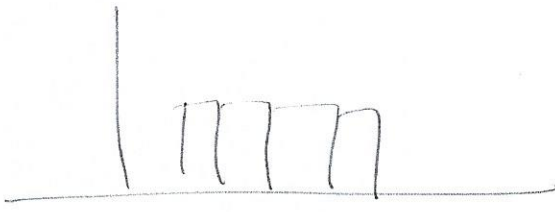
Construct a Reference Histogram



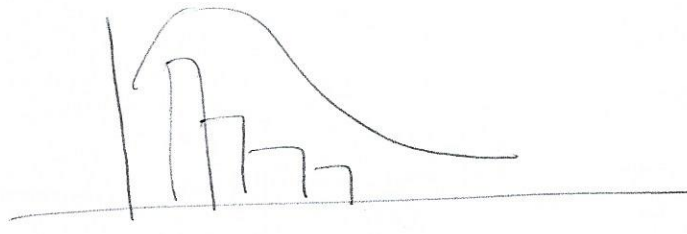
Shapes of Histogram



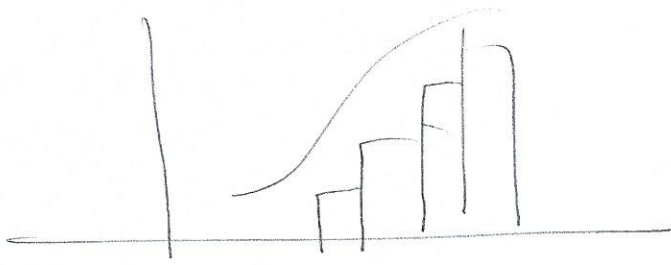
→ Normal



Uniform

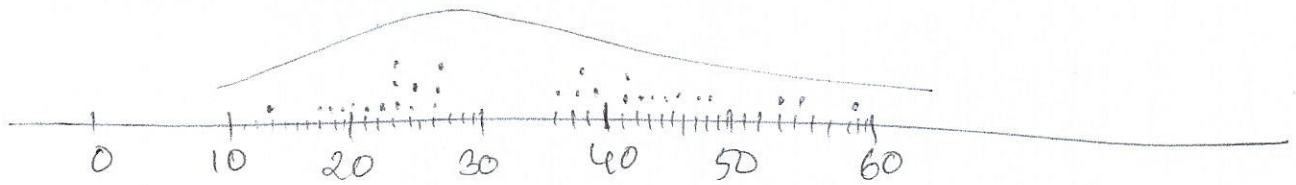


— Right skewed



— Skewed to the left.

1	3, 7, 8, 9
2	0, 1, 2, 3, 3, 3, 4, 4, 5, 5, 5, 7, 8, 8, 9
3	1, 1, 2, 3, 4, 5, 7, 8,
4	3, 4, 7
5	1



Unemployment
rate

