

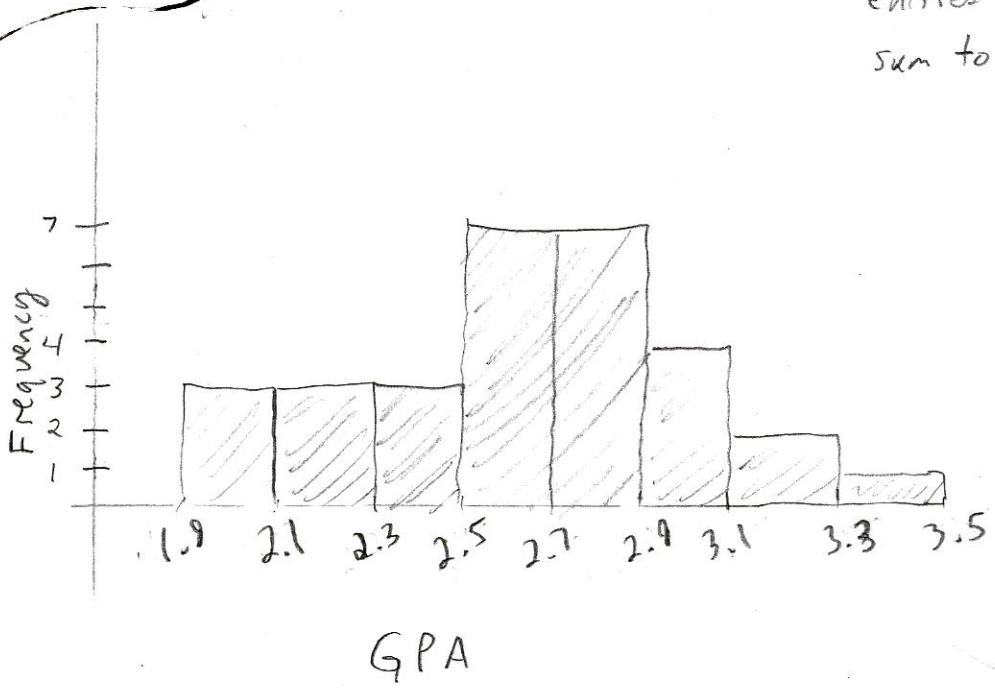
① number of classes: we are told to use 8

class width: $\frac{\text{max} - \text{min}}{\# \text{ of classes}} = \frac{3.4 - 1.9}{8} = 0.1875 \approx 0.2$
 round for convenience

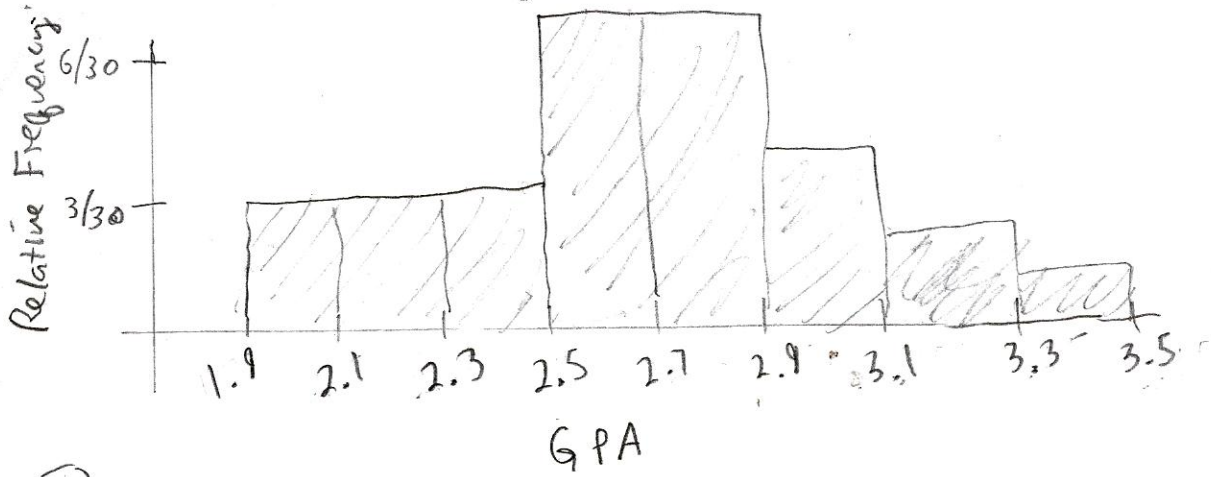
class	class limits	Tally	Frequency	Relative Frequency	Cumulative Frequency
1	1.9 to < 2.1		3	$3/30 = 10\%$	3
2	2.1 to < 2.3		3	$3/30 = 10\%$	6
3	2.3 to < 2.5		3	$3/30 = 10\%$	9
4	2.5 to < 2.7		7	$7/30 = 23.\bar{3}\%$	16
5	2.7 to < 2.9		7	$7/30 = 23.\bar{3}\%$	23
6	2.9 to < 3.1		4	$4/30 = 13.\bar{3}\%$	27
7	3.1 to < 3.3		2	$2/30 = 6.\bar{6}\%$	29
8	3.3 to < 3.5		1	$1/30 = 3.\bar{3}\%$	30

④ Histogram

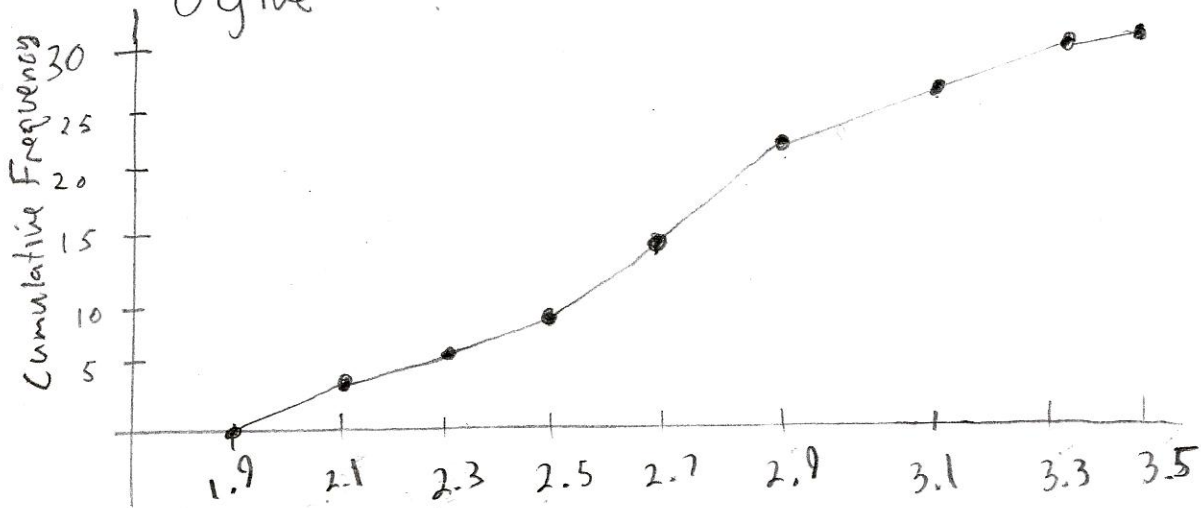
Make sure the data entries in this column sum to 1 or 100%.



⑤ Relative Frequency Histogram



⑥ Ogive



7

Stem	leaf (tenths)
3	2 5 9 5 9 6 3 9 7 4 6 5 9
4	5 3 8 3 2 3 4 2 4 0 0

preliminary stemplot

Stem	leaf (tenths)
3	2 3 4 5 5 5 6 6 7 9 9 9 9
4	0 0 2 2 3 3 3 4 4 5 8

Stemplot

8

Stem	leaf (digits 0-4 or 5-9)
3	2 3 4
3	5 5 5 6 6 7 9 9 9 9
4	0 0 2 2 3 3 3 4 4
4	5 8

Category

Percent

Angle

9

Accounting	$22/56 = 39\%$	$0.39 \times 360^\circ \approx 140^\circ$
I.T.	$24/56 \approx 43\%$	$0.43 \times 360^\circ \approx 155^\circ$
Insurance	$10/56 \approx 18\%$	$0.18 \times 360^\circ \approx 65^\circ$

