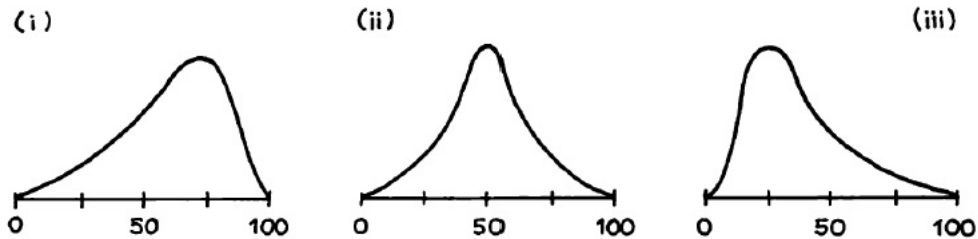


Quiz #1

1. Below are sketches of histograms for three lists.



(a) In scrambled order, the averages are 40, 50, 60. Match the histograms with the averages.

- (i) Average is 60
- (ii) Average is 50
- (iii) Average is 40

(b) Match the histogram with the description:

the median is smaller than the average
the median is about equal to the average
the median is larger than the average

- (i) the median is larger than the average
- (ii) the median is about equal to the average
- (iii) the median is smaller than the average

(c) Is the standard deviation of histogram (iii) around 5, 15, or 50?

around 15

(d) True or false, and explain: the standard deviation for histogram (i) is a lot smaller than that for histogram (iii).

False. They are about the same.