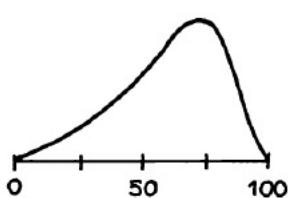


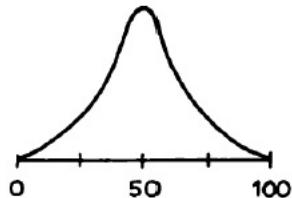
Quiz #1

1. Below are sketches of histograms for three lists.

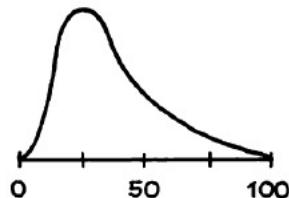
(i)



(ii)



(iii)



- (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.