

Figure 21.4 Twenty-five samples from the same population give these 95% confidence intervals. In the long run, 95% of all such intervals cover the true population proportion, marked by the vertical line.

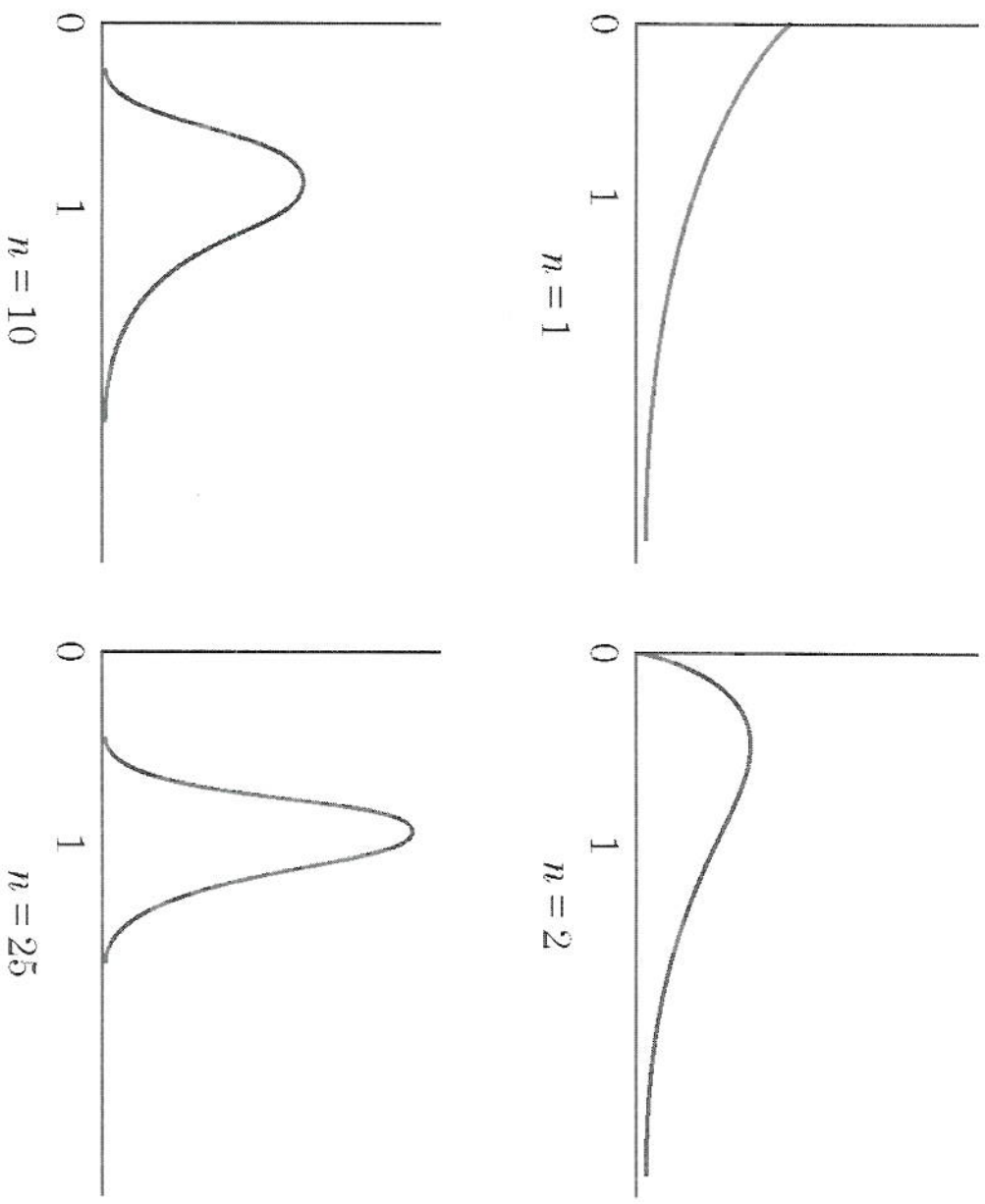


Figure 21.7 The distribution of a sample mean \bar{x} becomes more Normal as the size of the sample increases. The distribution of individual observations ($n = 1$) is far from Normal. The distributions of means of 2, 10, and finally 25 observations move closer to the Normal shape.

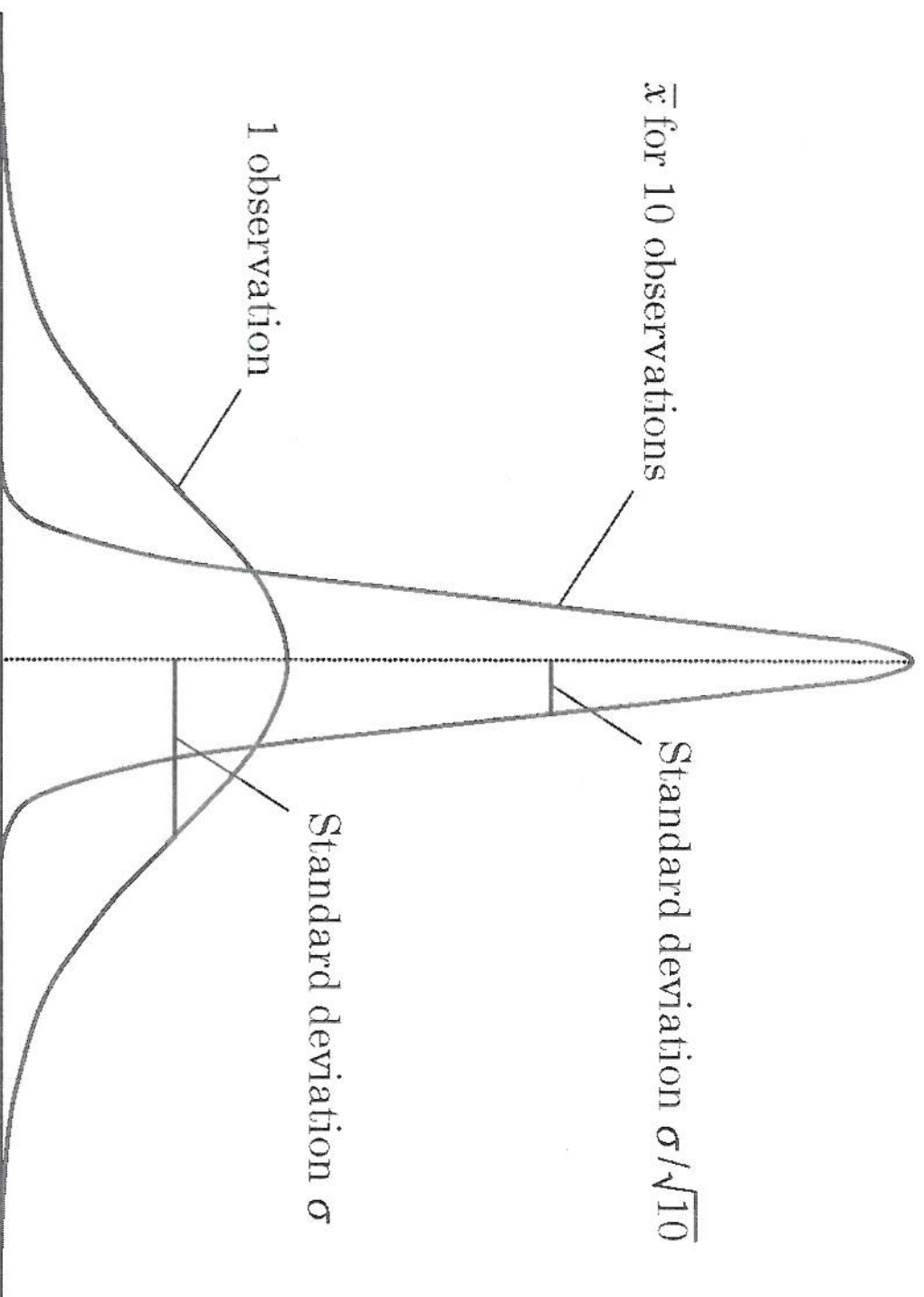


Figure 21.6 The sampling distribution of the sample mean \bar{x} of 10 observations compared with the distribution of individual observations.