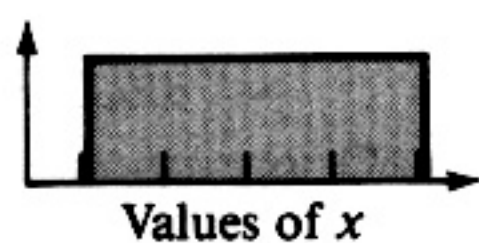


Sampling Distributions

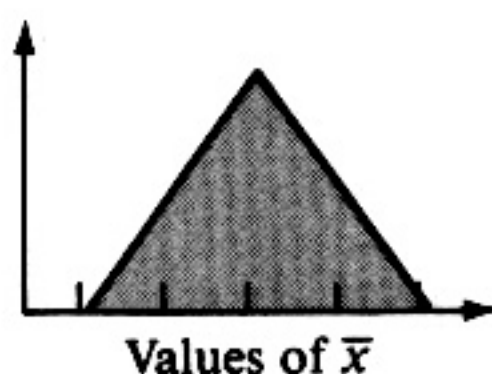
Robert Johnson - Elementary Statistics - 4th Edition - PWS Publishers

Uniform Distribution

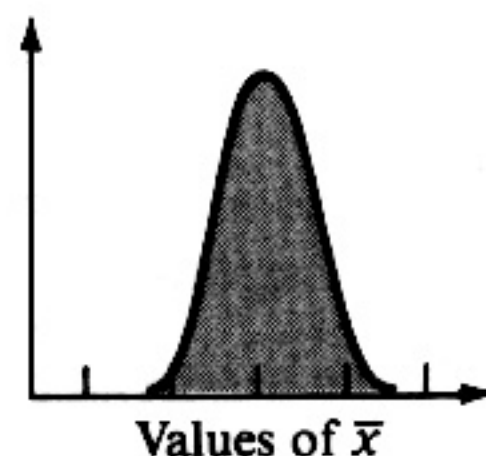
(a) Population



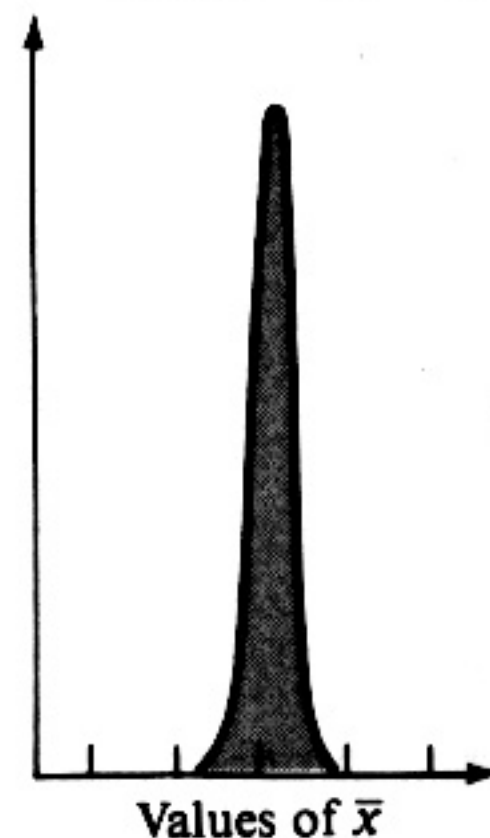
(b) Sampling distribution of $\bar{x}$ when $n=2$



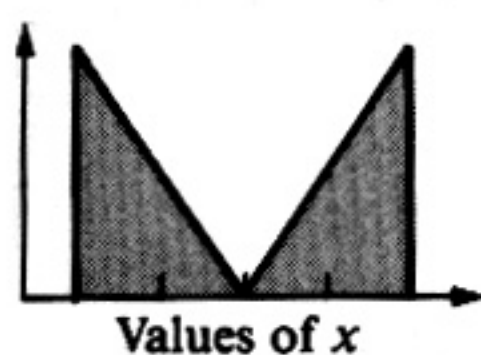
(c) Sampling distribution of $\bar{x}$ when $n=5$



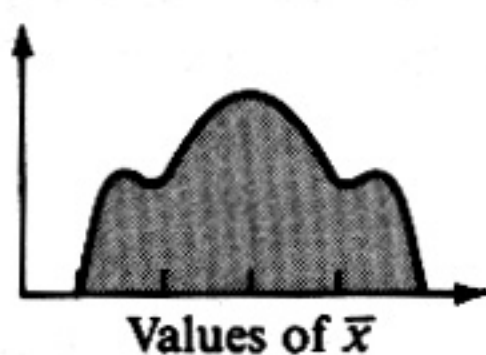
(d) Sampling distribution of $\bar{x}$ when $n=30$



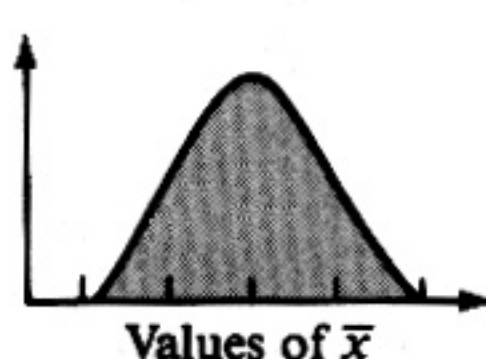
(a) Population



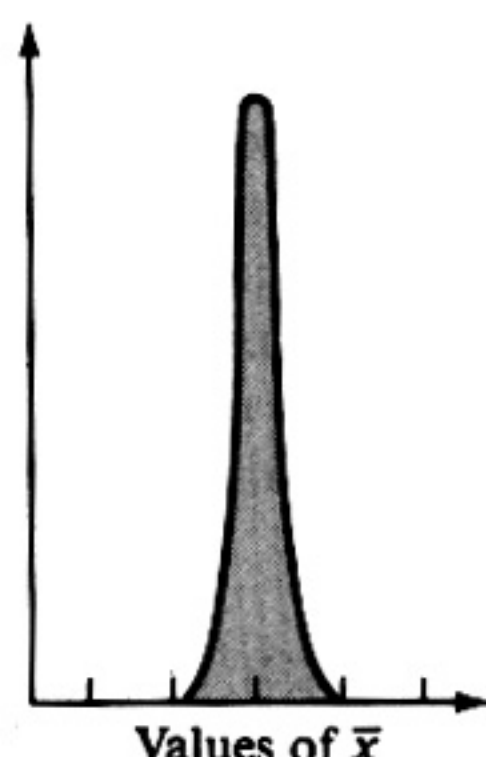
(b) Sampling distribution of $\bar{x}$ when $n=2$



(c) Sampling distribution of $\bar{x}$ when $n=5$

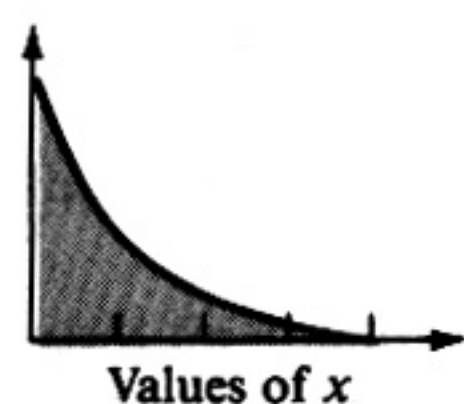


(d) Sampling distribution of $\bar{x}$ when $n=30$

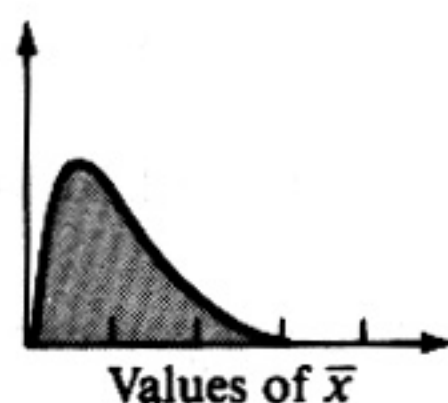


J-shaped Distribution

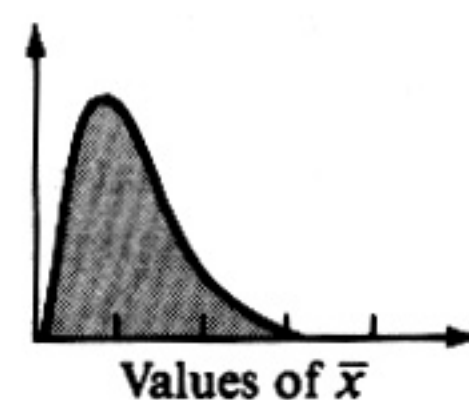
(a) Population



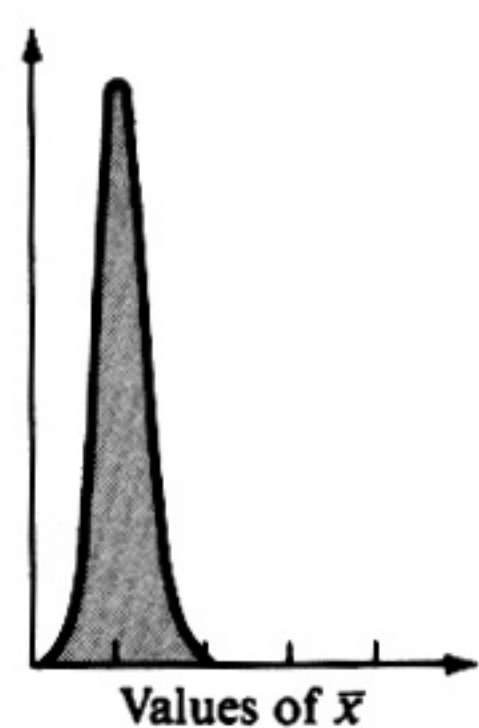
(b) Sampling distribution of $\bar{x}$ when $n=2$



(c) Sampling distribution of $\bar{x}$ when $n=5$

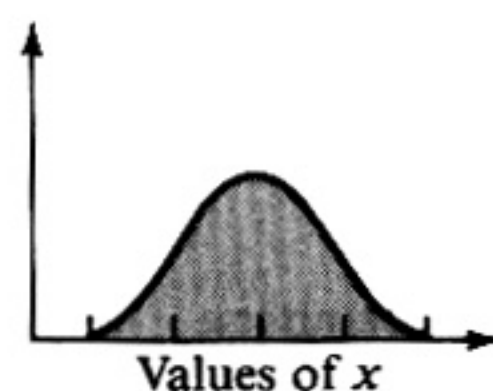


(d) Sampling distribution of $\bar{x}$ when $n=30$

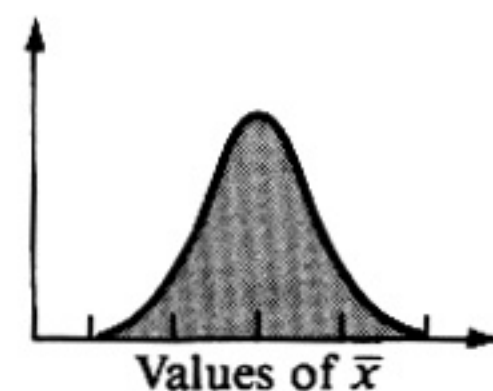


Normal Distribution

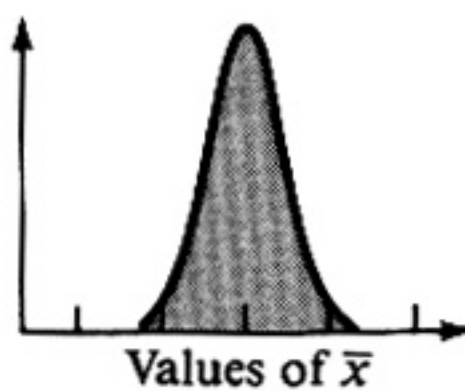
(a) Population



(b) Sampling distribution of $\bar{x}$ when $n=2$



(c) Sampling distribution of $\bar{x}$ when $n=5$



(d) Sampling distribution of $\bar{x}$ when $n=30$

