Worksheet: Expected Values and Standard Errors for Averages

$$\text{EV}_{\text{av}} = \text{mean}_{\text{box}} \qquad \text{SE}_{\text{av}} = \text{SD}_{\text{box}} / \sqrt{n}$$

1. Calculate the mean and population standard deviation for the box then fill in the blanks.

Box	mean_{box}	SD_{box}	n	$\min_{\text{av}}$	$\max_{\text{av}}$	EV_{av}	SE_{av}
4 6			10				
4 6			20				
4 6			50				
4 6			100				
4 6			1,000				
4 6			10,000				
1 9			10				
1 9			20				
1 9			100				
0 1			10				
0 1			100				
0 1			1,000				
0 1 2			100				