

Name:

Practice 2: Descriptive Characteristics

Calculate arithmetic mean (AVG), median, standard deviation (SD), variance, coefficient of variability (V) and SEM for following samples (n=20):

A:	5	B:	1.5	C:	25.8
	4		1.8		32.6
	7		2.0		20.1
	5		1.6		22.9
	7		1.6		29.3
	6		1.5		35.6
	6		2.1		36.4
	4		1.9		20.2
	5		1.8		28.6
	7		1.8		27.1
	8		2.0		21.5
	4		2.0		26.9
	4		1.6		30.4
	5		1.5		28.1
	6		1.7		31.5
	5		1.9		29.8
	5		1.9		22.1
	7		2.0		23.6
	8		1.6		30.9
	4		1.6		28.4

AVG =

Median =

SD =

Variance =

V =

SEM =

Example:

Body weights were monitored in broilers in a broiler house. Weighing of 15 chickens chosen by chance following body weights were measured (in kg):

1.2, 1.4, 2.2, 1.9, 2.1, 2.0, 1.8, 1.6, 2.4, 2.2, 1.9, 2.1, 2.2, 2.0, 1.9

What is the average weight of broilers in the house and what is SD, variance, coefficient of variability, and SEM (standard error of the mean) of this body weight?

AVG =

SD =

Variance =

V =

SEM =