

Great Country Life Expectancy

- a) What is the mean of the following data?
b) Fill in this form to determine its standard deviation.

Year	Great Country	Deviation from mean	ABS VAL	Squared
1940	55			
1950	62			
1960	64			
1970	65			
1980	69			
1990	71			
2000	72			
2010	73			
2020	75			

- c) What is the standard deviation for life expectancy in Great Country?

$$s = \sqrt{\frac{\text{sum all (observations} - \text{mean)}^2}{n - 1}}$$

- d) What is the mean of the following data?
 e) Fill in this form to determine its standard deviation.

Year	Super Country	Deviation from mean	ABS VAL	Squared
1940	42			
1950	49			
1960	55			
1970	68			
1980	65			
1990	82			
2000	79			
2010	89			
2020	95			

- f) What is the standard deviation for life expectancy in Super Country?

$$s = \sqrt{\frac{\text{sum all (observations — mean)}^2}{n - 1}}$$

What if I mistyped and accidentally created an outlier?

- g) Which measure(s) of **center** are resistant to outliers?

 h) Which measure(s) of **spread** are resistant to outliers?