

**Exer 3.4****[Computation/variability/variability102]**

In Galton's data, are the sons typically taller than their fathers? Create a variable that is the difference between the son's height and the father's height. (Arrange it so that a positive number refers to a son who is taller than his father.)

1. What's the mean height difference (in inches)?

-2.47 -0.31 0.06 66.76 69.23 Exer 3.4-1

2. What's the standard deviation (in inches)?

1.32 2.63 2.74 3.58 3.75 Exer 3.4-2

3. What is the 95-percent coverage interval (in inches)?

- A** -3.7 to 4.8  
 **B** -4.6 to 4.9  
 **C** -5.2 to 5.6  
 **D** -9.5 to 4.5

Exer 3.4-3