

STUDENT NAME: _____

INTERPRETING GRAPHS

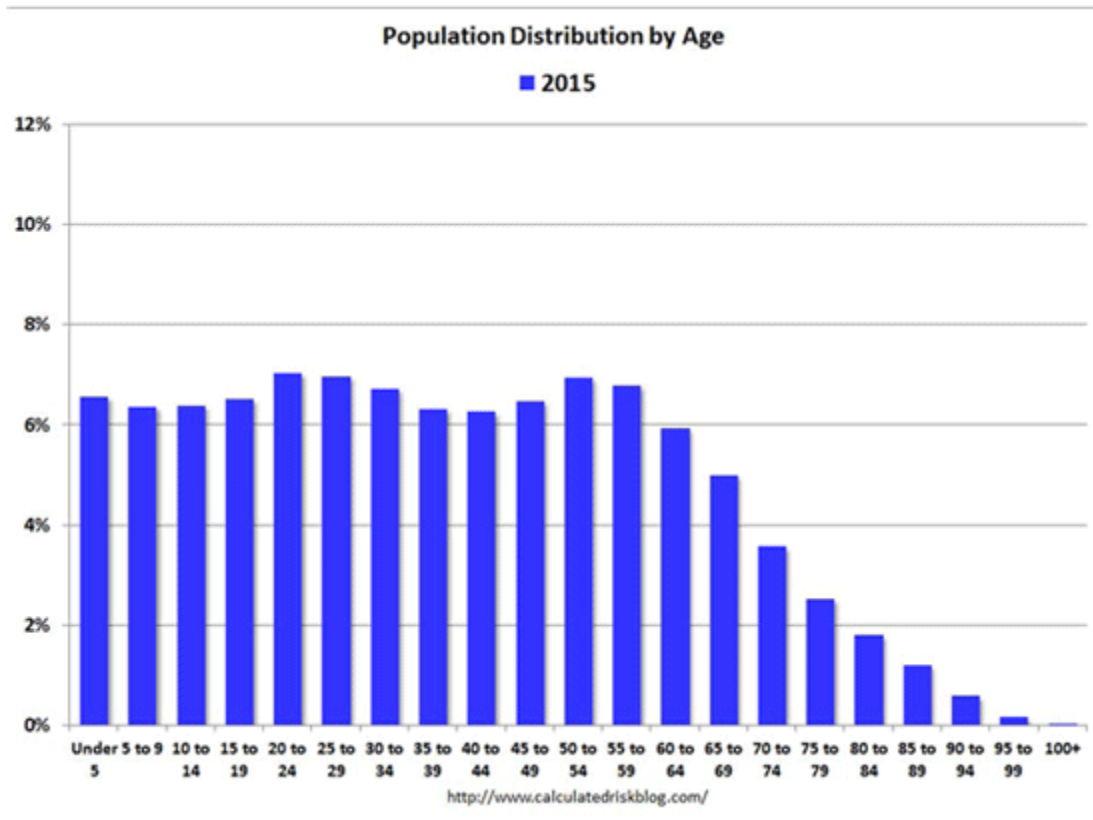
For each of the following graphs, estimate the mean, median, and standard deviation. After estimating the values for each graph, use Excel to calculate the actual values and calculate the percent error of your estimate. The percent error is calculated as such:

$$\text{percent error} = \frac{|\text{exact value} - \text{estimate}|}{\text{exact value}} \times 100\%$$

You are not being graded on your ability to estimate but it is a useful skill to develop. Some graphs will not give you exact values; estimate these to the best of your ability.

1. American age distribution 2015

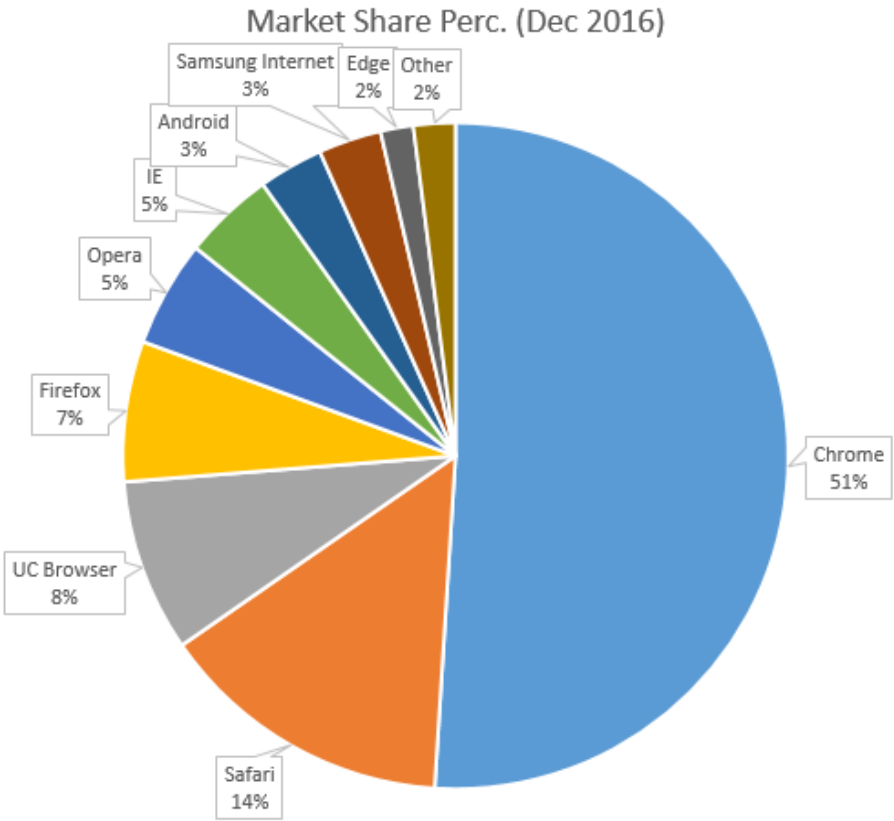
Source: <http://www.calculatedriskblog.com/2013/08/us-population-distribution-by-age-1900.html>



	ESTIMATE	ACTUAL VALUE	PERCENT ERROR
Median			
Mean			
Standard Deviation			

2. Top 9 Internet Browsers by Market Share December 2016

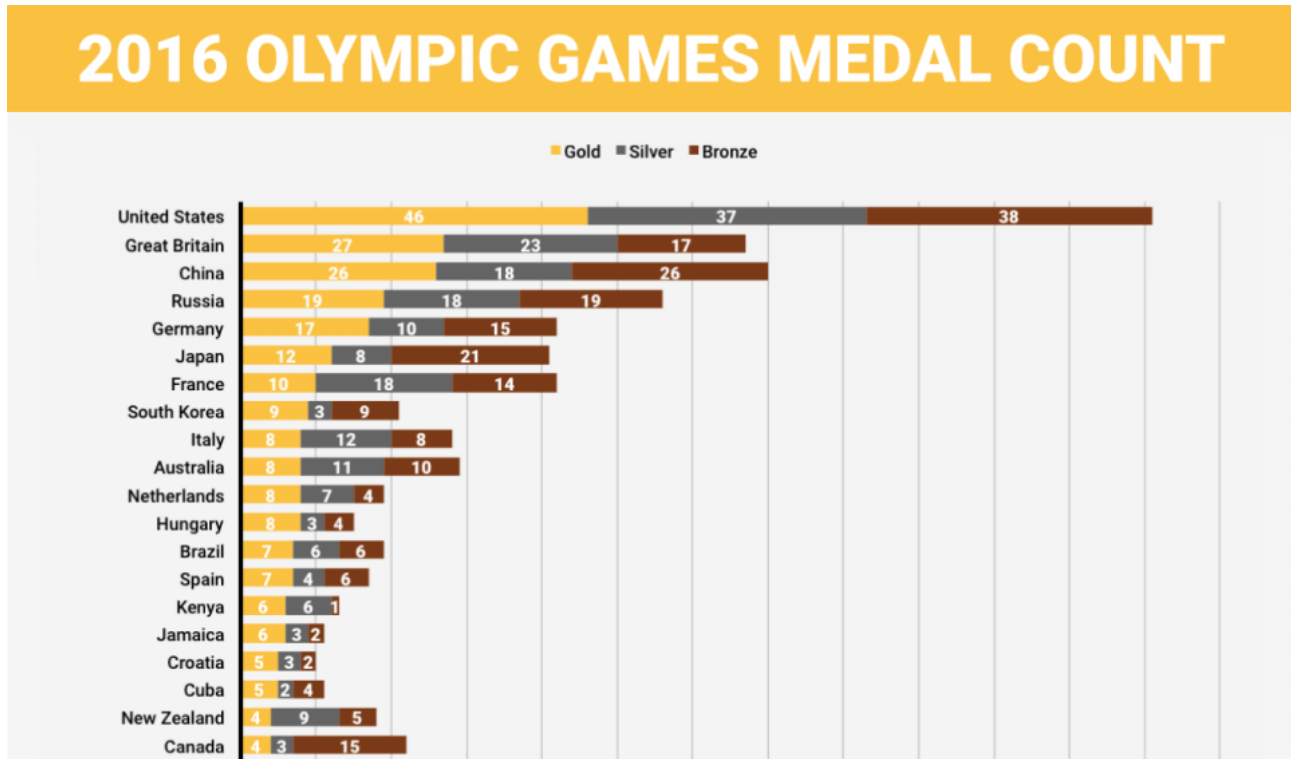
Source: <http://gs.statcounter.com/#all-browser-ww-monthly-201612-201612-bar>



	ESTIMATE	ACTUAL VALUE	PERCENT ERROR
Median			
Mean			
Standard Deviation			

3. Top 20 Countries by Gold Medal Count, Rio 2016

Source: <http://www.businessinsider.com/summer-olympics-2016-medal-count-2016-8>



	ESTIMATE	ACTUAL VALUE	PERCENT ERROR
Median			
Mean			
Standard Deviation			