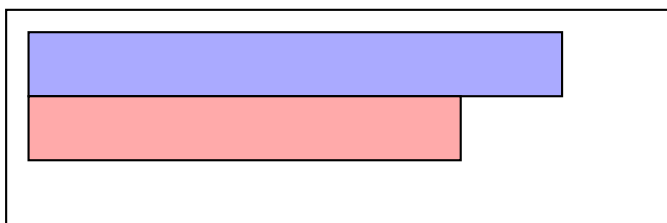
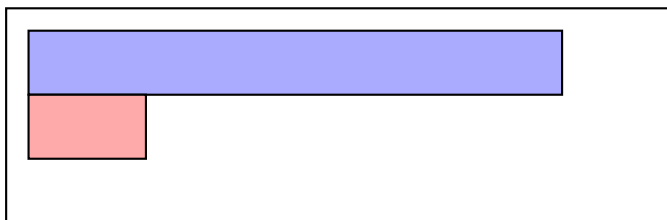
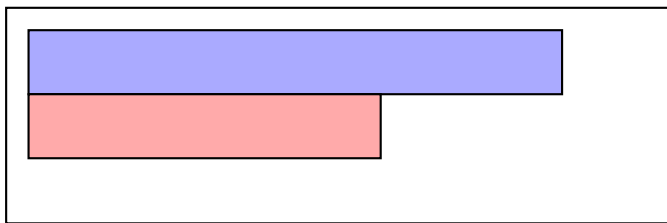
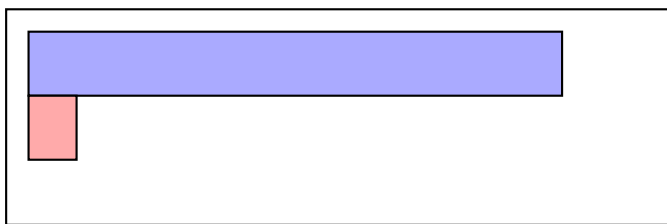


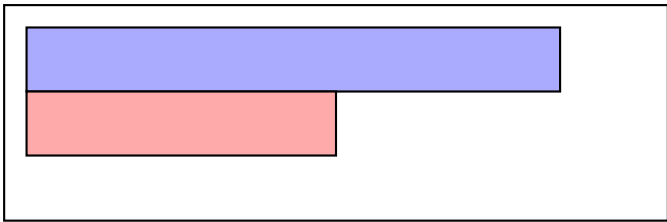
How well can people estimate quantitative values from different types of visualizations?  
Here are four examples. This study replicates work by Cleveland and McGill (Science, 1985)  
and Heer and Bostock (CHI, 2010).

Open <http://goo.gl/forms/GzOXGYvbcF> in a browser window.

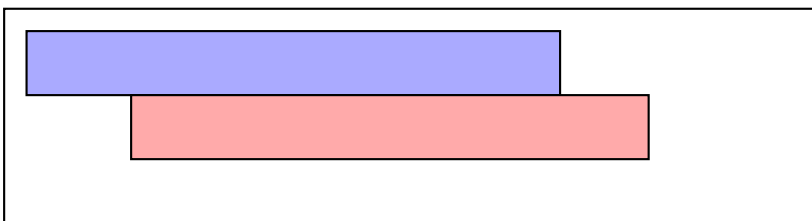
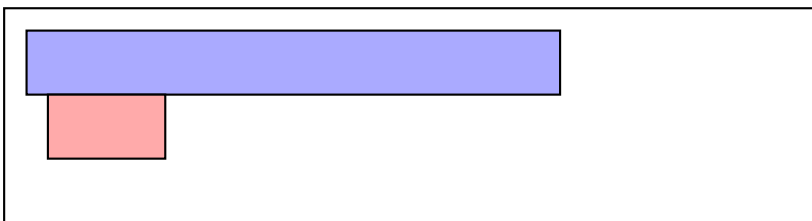
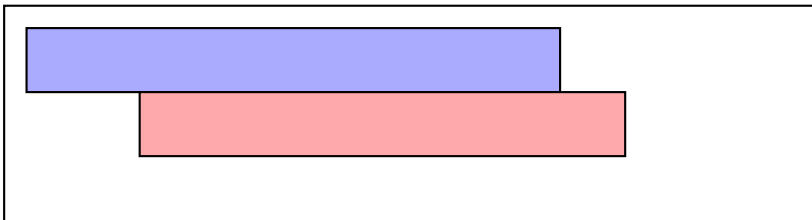
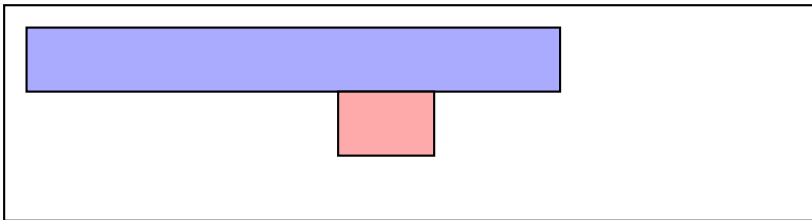
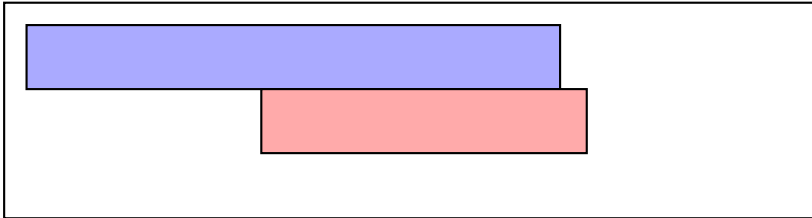
Instructions: For each plot, compare the size of the red area to the size of the blue area.  
Record your estimates of the relative size of the two shapes as a percentage. For example,  
if you think the red area is half as big as the blue area, enter the number 50. (The values  
are different for each plot.)

Plot 1: bars

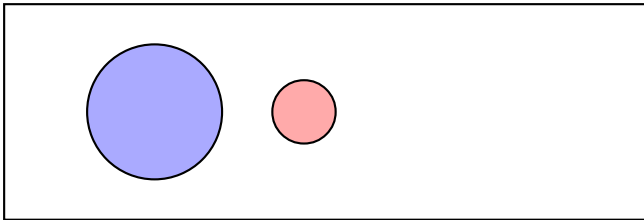
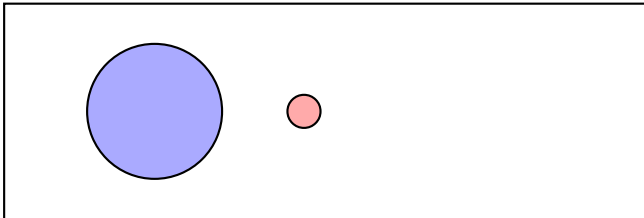
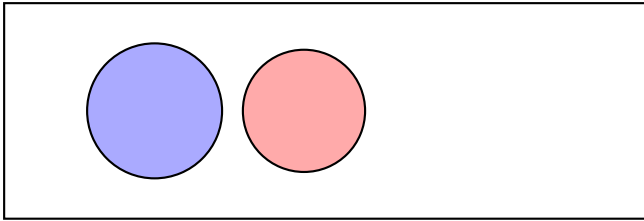
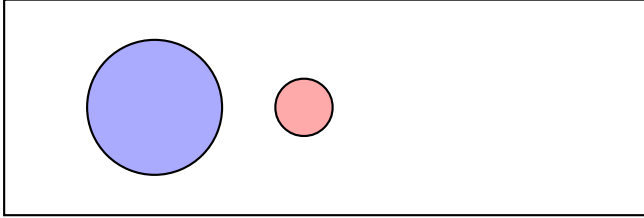
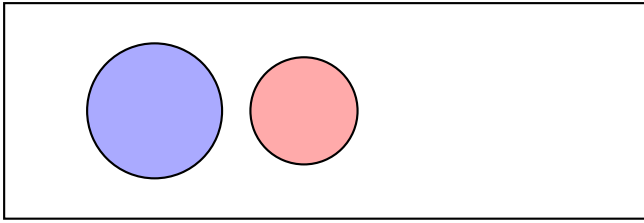




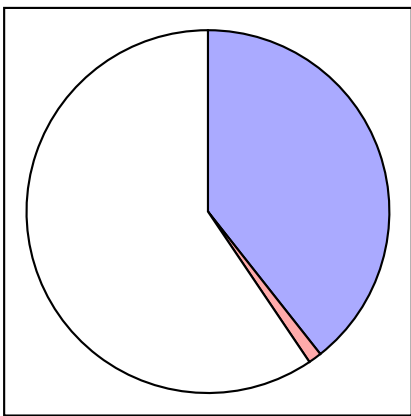
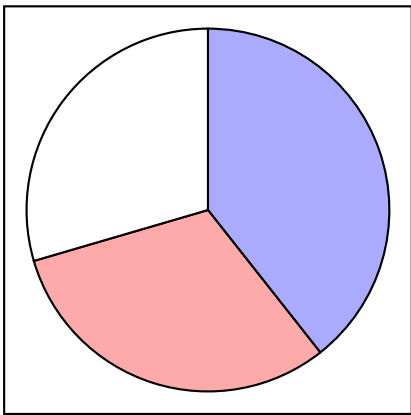
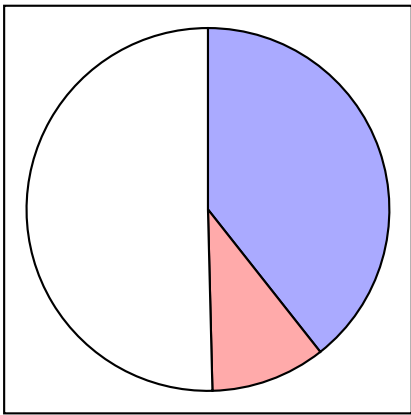
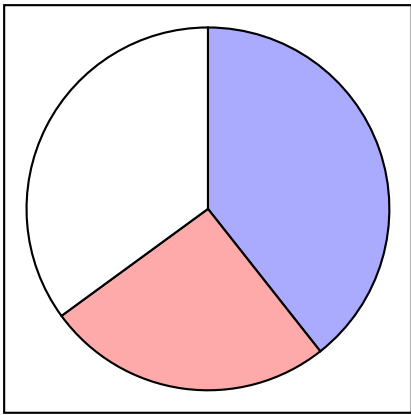
Plot 2: shifted bars

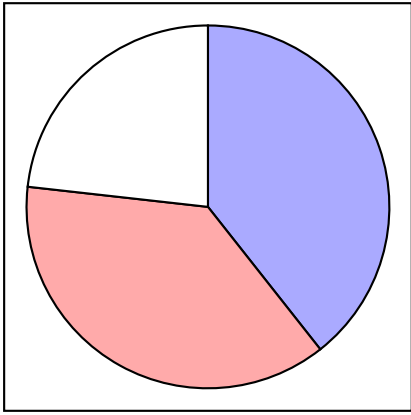


Plot 3: circles



Plot 4: pie chart





Plot 5: color

