

Essential Design Principles for Tableau

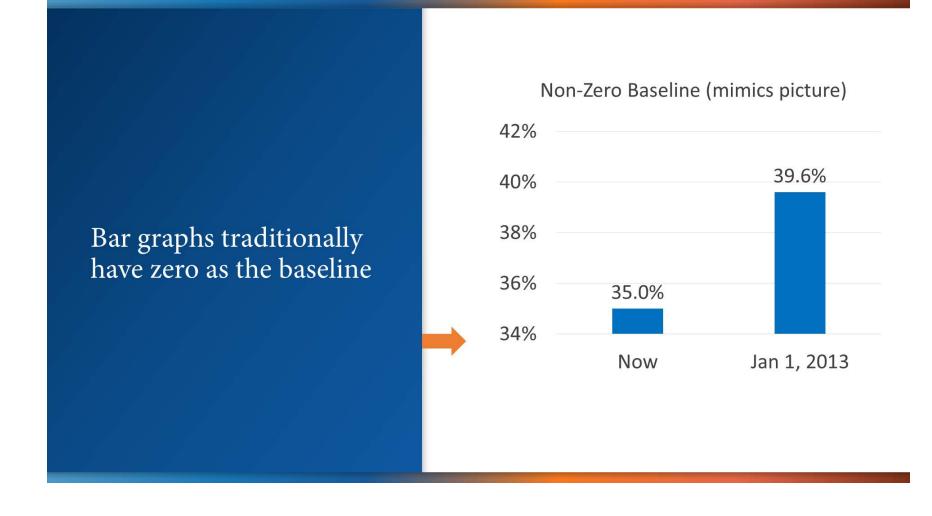
Practicing Good Ethics in Data Visualization

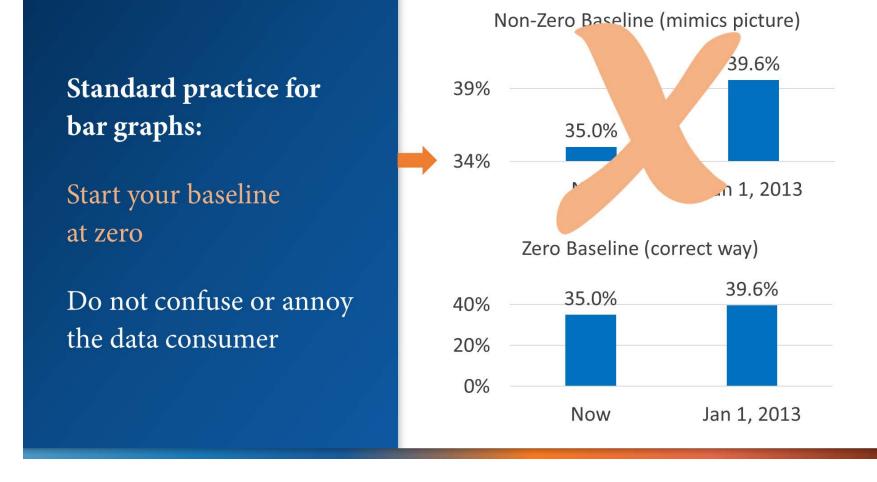
Bar charts are easy to interpret

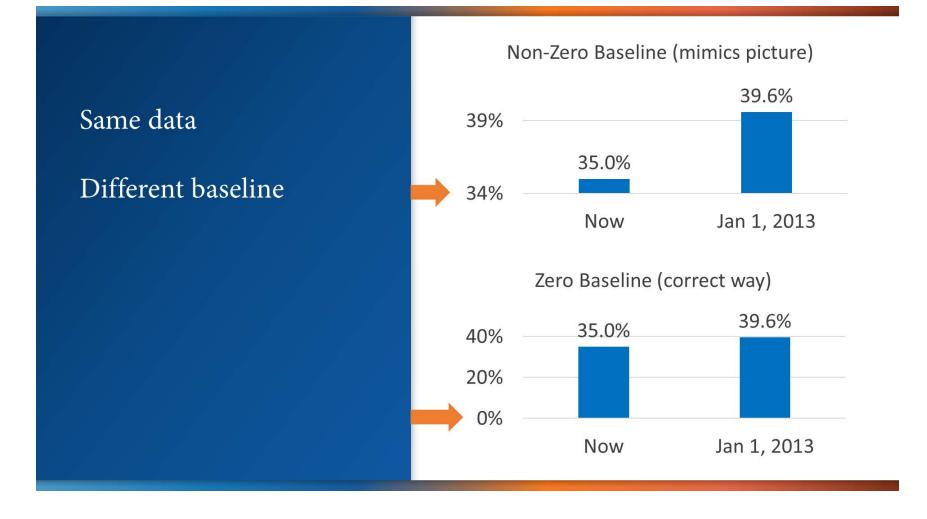
Our eyes compare the endpoints of the bar

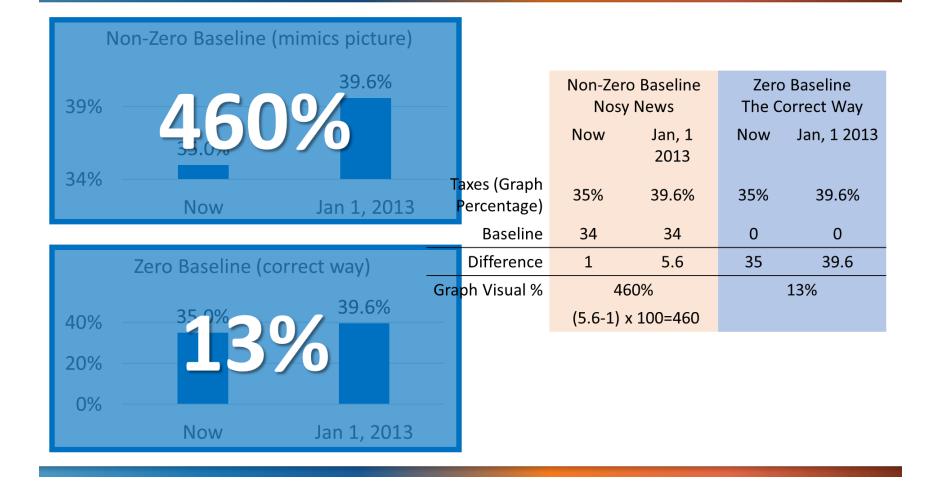
IF BUSH TAX CUTS EXPIRE

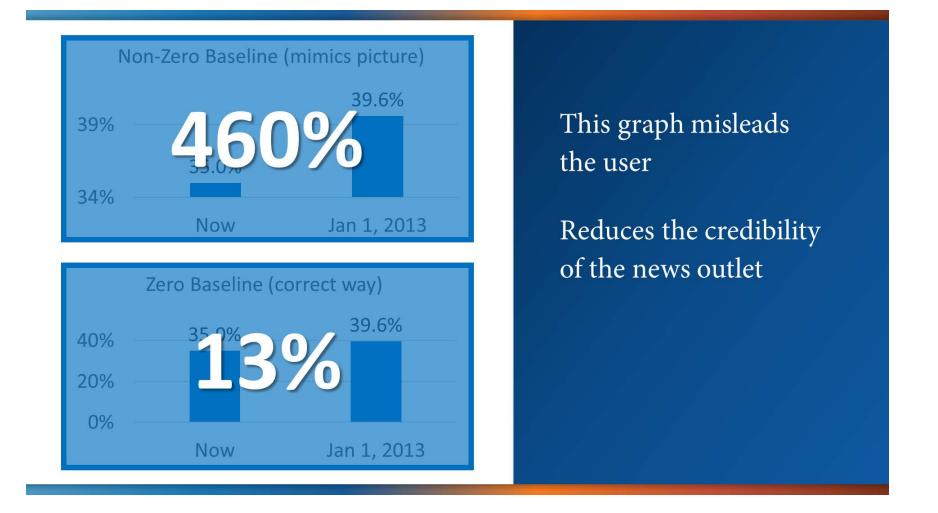


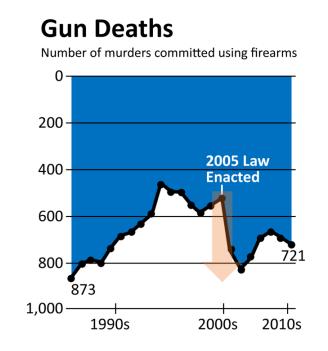




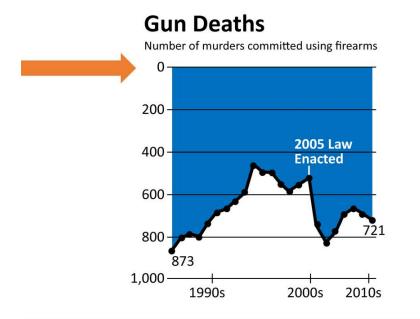








Did you assume that there was a sharp decrease in gun deaths after 2005?



Note where the 0 is on the Y-axis

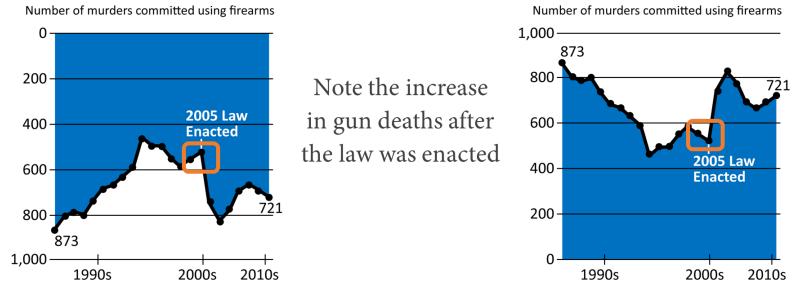
This is opposite to how graphs are typically drawn

Gun deaths actually increased

Inverting the axis misleads the reader

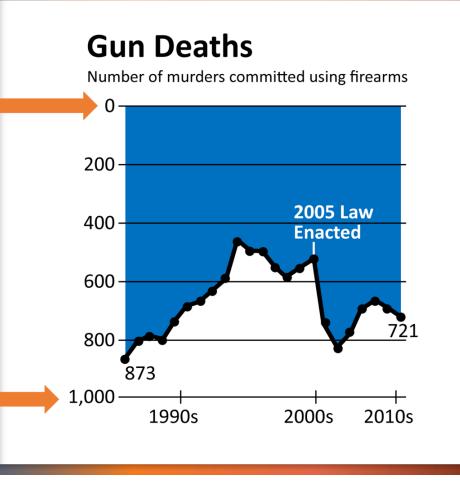
Gun Deaths

Gun Deaths



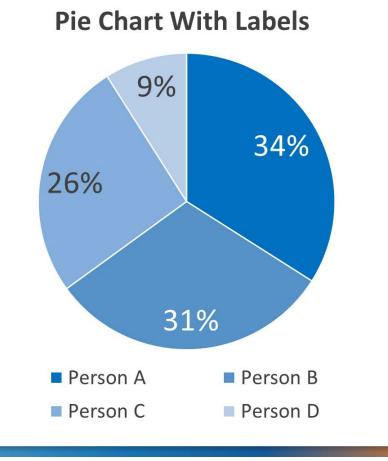
Users should not have to deviate from standard ways of presenting graphs

Clearly state any deviations



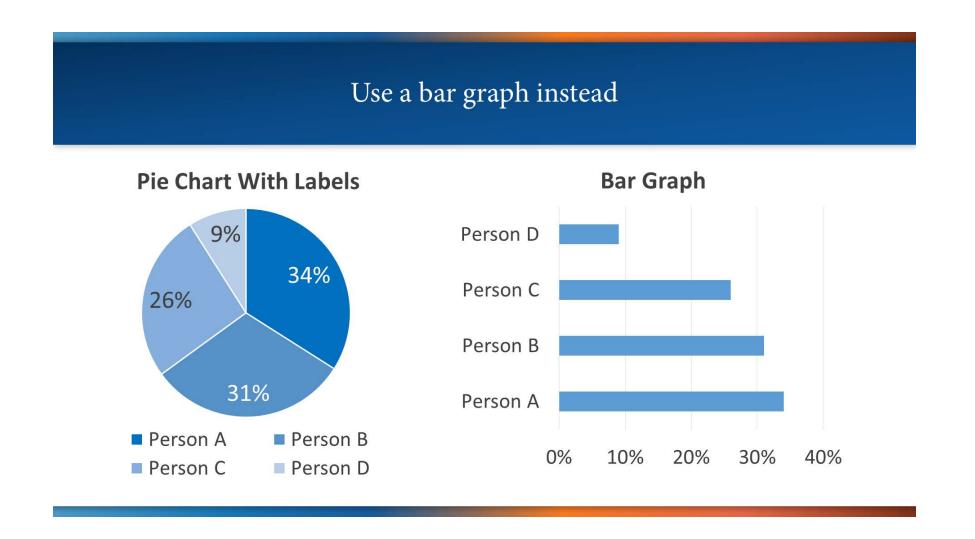


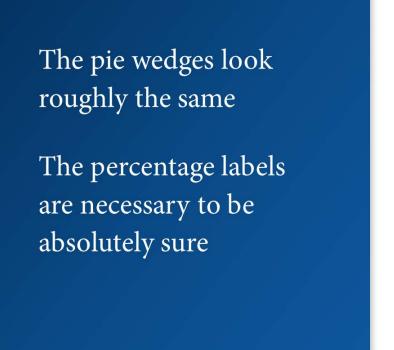
The pie chart controversy



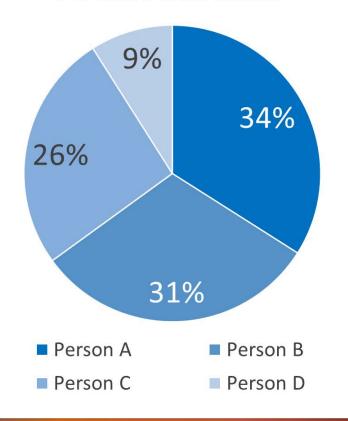
One of the most widely used visualizations

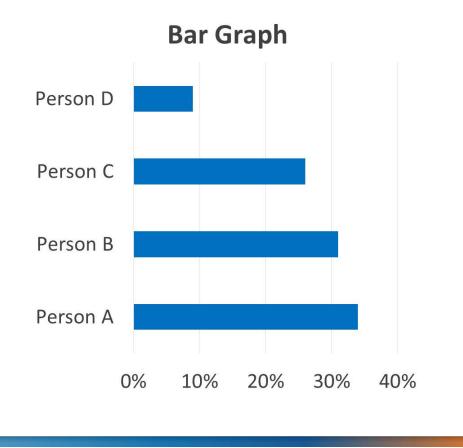
Seems to be an ideal way to show percentages



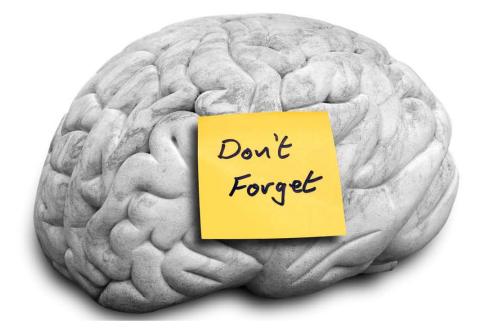


Pie Chart With Labels





The bar graph more clearly distinguishes the percentages



Move beyond conceptual best practices to effective practices