Effective vs Ineffective Data visualization

https://visme.co/blog/wp-content/uploads/2015/10/3.gif

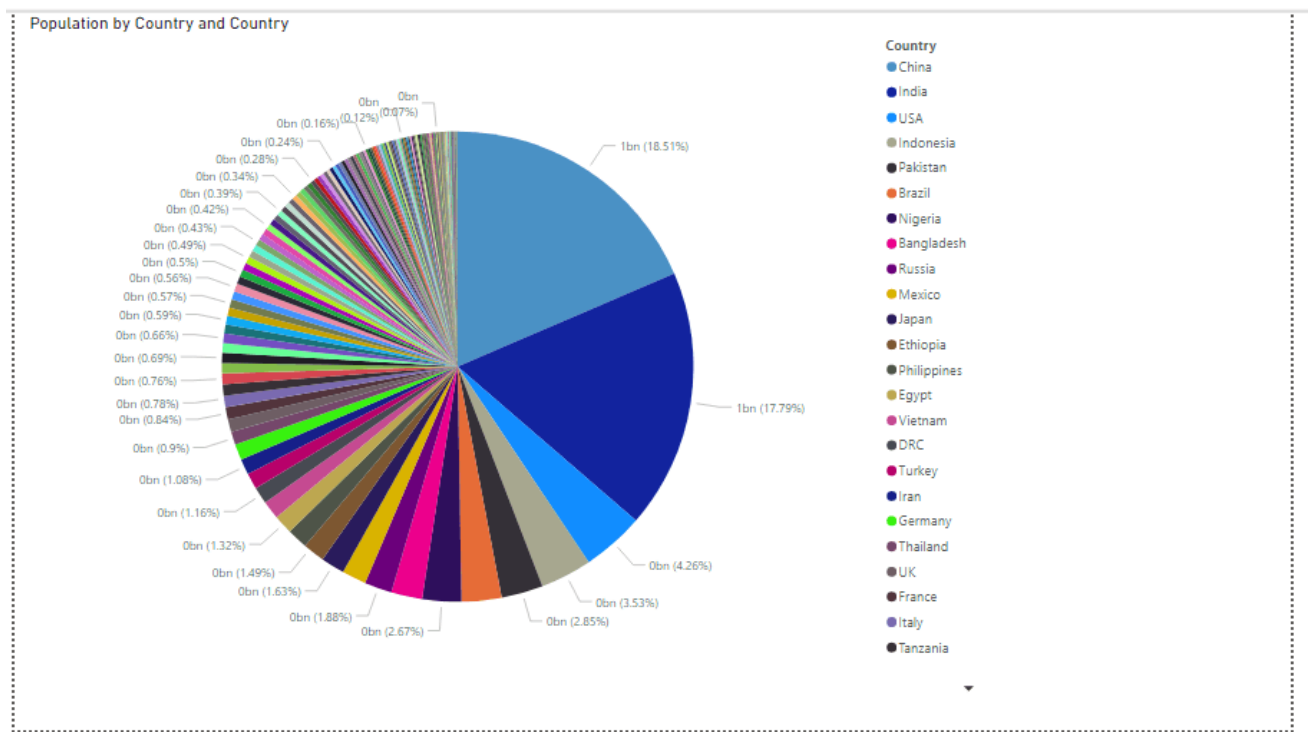**Note: The below is a gif follow the link above to view the gif**
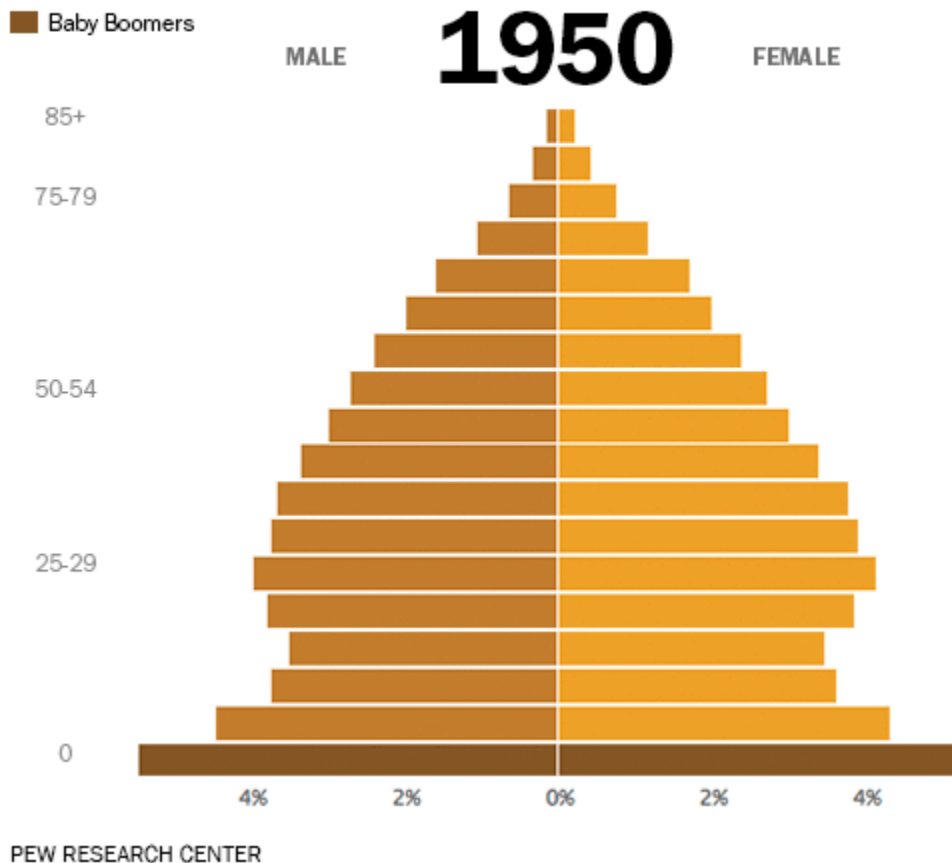
I feel the visualization is good because it combines and explains how the population trend changes over time is well explained with a simple GIF. They can also make the graph to be more stagnant and explain the situation better with a side-by-side bar chart and plot the lines to show it more clearly or can use a pie chart to explain the percentage according to the year but making it in a gif well explains the situation of the trend over time. Given the time frame from 1950 - 2060 we draw a simple side-by-side chart; it might get too compact and will be inappropriate to judge the situation. One of the most noticeable elements of this visualization is the baby boomer(which represents the babies born at the time of world war- II) which is given in a different color and show

their population over time. we can't say it is not important but noticeable because of the fact of color variation. To my notice there is one essential information missing which is showing the user whether the percentage equate to 100 or not as it is clearly mentioned on the top of the gif that it tells the percentage of population from 1950-2060 by age group and the number's for the age and the percentage is clearly mentioned. There is no extra information which carries no importance is mentioned or populating with unwanted information is not present in this visualization. The colors are used effectively to differentiate between baby boomers and non baby boomers but should have improved on the color effectiveness for better presentability. As per it's scale is concerned it doesn't encourage any misinterpretations as it doesn't have any unwanted information it doesn't have any misinterpretations to deal with. Updating the percentage of the top would have made it much more appreciable.

https://visme.co/blog/examples-data-visualizations/

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Ineffective Data visualization:

https://sranalytics.io/blog/bad-data-visualization-examples/

I feel this visualization is very ineffective as the one of the most important things to be considered in the visualization of how it makes a user understand it better than reading it. This visualization lacks that part of understability when it comes to that. Some of the most noticeable information in this visualization is blue colored graphs with more one billion population. It is amongst the important information as it holds the major share of population. As the countries with lesser population gets diluted in the graph we can't judge the essential information missing in the graph instead the graph would have been plotting names on the chart with china, india, usa etc so that highlights get recognized easily. The color combination is used effectively for some part but can leads to misinterpretation on the other half of the visualization because one can think of as an other country when matching the color with sidebar. I would like to mention names on the plot or would look out for another modelled graph.

Another example for ineffective visualization:

California's Wildfires are Growing
Simply put, the fires of recent years dwarf those of previous decades.