**Data Visualization using Different States Comparison With Changes:**

<https://www.google.com/publicdata/explore?ds=z1ebjpgk2654c1_&ctype=b&strail=false&bcs=d&nselm=s&met_x=employed&fdim_x=seasonality:S&scale_x=lin&ind_x=false&met_y=unemployed&fdim_y=seasonality:S&scale_y=lin&ind_y=false&idim=state:ST0600000000000:ST5600000000000:ST5300000000000&ifdim=state&tunit=M&pit=1589083200000&ind=false&icfg>

The above link is the visualization of unemployment vs employment comparing the statistics in different state in US. By changing those consideration in x and y axes in the above link and observing the changes in the visualizations are, if this visualization is portraying the information in any better than the past considerations.

<https://www.google.com/publicdata/explore?ds=z1ebjpgk2654c1_&ctype=b&strail=false&bcs=d&nselm=s&met_y=unemployed&fdim_y=seasonality:S&scale_y=lin&ind_y=false&met_x=employed&fdim_x=seasonality:S&scale_x=lin&ind_x=false&idim=state:ST0600000000000:ST5600000000000:ST5300000000000&ifdim=state&tunit=M&pit=1589083200000&ind=false&icfg#!ctype=b&strail=true&bcs=d&nselm=s&met_x=unemployed&fdim_x=seasonality:S&scale_x=lin&ind_x=false&met_y=employed&fdim_y=seasonality:S&scale_y=lin&ind_y=false&idim=state:ST0600000000000:ST5600000000000:ST5300000000000&ifdim=state&hl=en_US&dl=en_US&ind=false>

But if you see the above link you can see the trail of the selected states has been overlapping as the months incrementing in my point of view, I think the first visualization is apt for this audience.

**Data Visualization Using Gender Comparison With Changes:**

<https://www.google.com/publicdata/explore?ds=z1ebjpgk2654c1_&ctype=m&strail=false&bcs=d&nselm=s&met_s=unemployed&fdim_s=seasonality:S&scale_s=lin&ind_s=false&met_c=employed&fdim_c=seasonality:S&scale_c=lin&ind_c=false&idim=state:ST0600000000000:ST5600000000000:ST5300000000000&ifdim=state&tunit=M&pit=1589083200000&ind=false&xMax=-6.010815500000013&xMin=143.75480949999996&yMax=9.792452563398701&yMin=67.20276429327684&mapType=t&icfg&iconSize=0.23>

The above link is the visualization of unemployment vs employment, comparing with the statistics of different states in the United States. By changing those consideration as the unemployment to the color intensity and employment to the size of the bubble. With these changes the visualization is shown below:

<https://www.google.com/publicdata/explore?ds=z1ebjpgk2654c1_&ctype=m&strail=false&bcs=d&nselm=s&met_s=employed&fdim_s=seasonality:S&scale_s=lin&ind_s=false&met_c=unemployed&fdim_c=seasonality:S&scale_c=lin&ind_c=false&idim=state:ST0600000000000:ST5600000000000:ST5300000000000&ifdim=state&tunit=M&pit=1589256000000&ind=false&xMax=-6.010815500000013&xMin=143.75480949999996&yMax=9.792452563398701&yMin=67.20276429327684&mapType=t&icfg&iconSize=0.23>

But after the change there is no main difference that I noticed in this change.

<https://www.google.com/publicdata/explore?ds=z1ebjpgk2654c1_&ctype=b&strail=true&bcs=d&nselm=s&met_x=employed&fdim_x=country:US&fdim_x=seasonality:S&scale_x=lin&ind_x=false&met_y=unemployed&fdim_y=country:US&fdim_y=seasonality:S&scale_y=lin&ind_y=false&idim=sexs_code:1:2&ifdim=sexs_code&tunit=M&pit=1591934400000&ind=false&icfg=z1ebjpgk2654c1_%253A1706%253Asexs_code%26%261:::1948%7Cz1ebjpgk2654c1_%253A1706%253Asexs_code%26%262:::1948>

The above visualization is for unemployment vs employment for comparing the statistics on both sexes. After changing their axes employment to y – axis and unemployment to x – axis. The visualization has been in the link given below:

<https://www.google.com/publicdata/explore?ds=z1ebjpgk2654c1_&ctype=b&strail=true&bcs=d&nselm=s&met_y=employed&fdim_y=country:US&fdim_y=seasonality:S&scale_y=lin&ind_y=false&met_x=unemployed&fdim_x=country:US&fdim_x=seasonality:S&scale_x=lin&ind_x=false&idim=sexs_code:1:2&ifdim=sexs_code&tunit=M&pit=129873600000&ind=false&icfg=z1ebjpgk2654c1_%253A1706%253Asexs_code%26%261:::1948%7Cz1ebjpgk2654c1_%253A1706%253Asexs_code%26%262:::1948>

This looks more clumsier and the data is more overlapping on past data as it is difficult to differentiate the exact month If we hover on each point in the plot. So, I think the first visualization is clearer and meaning full.

<https://www.google.com/publicdata/explore?ds=z1ebjpgk2654c1_&ctype=c&strail=false&bcs=d&nselm=s&met_y=unemployed&fdim_y=country:US&fdim_y=seasonality:S&scale_y=lin&ind_y=false&met_c=employed&fdim_c=country:US&fdim_c=seasonality:S&scale_c=lin&ind_c=false&idim=sexs_code:1:2&ifdim=sexs_code&tunit=M&pit=463636800000&ind=false&icfg>

The above link is the visualization of unemployment vs employment for comparing the statistics on both genders. After changing the consideration as the unemployment to the color intensity variation and employment to the y axis. As that visualization is shown in the below link:

<https://www.google.com/publicdata/explore?ds=z1ebjpgk2654c1_&ctype=c&strail=false&bcs=d&nselm=s&met_c=unemployed&fdim_c=country:US&fdim_c=seasonality:S&scale_c=lin&ind_c=false&met_y=employed&fdim_y=country:US&fdim_y=seasonality:S&scale_y=lin&ind_y=false&idim=sexs_code:1:2&ifdim=sexs_code&tunit=M&pit=1591934400000&ind=false&icfg>

I see no change in the information transfer to the targeted audience.