Tableau Project

Link for the story:
https://public.tableau.com/app/profile/mahshid4720/viz/UemploymentAnalysis_16669791952650/UnemploymentAnalysis

This story includes three dashboards.

1. **The first dashboard**
   Link: The link is inside the link of the story.
   Summary: This dashboard indicates the Top N states in the United States for the average unemployment and average employment. The filter sets on the top 10 states for both bar charts but it could be changeable to the different numbers. We could see Puerto Rico has the highest amount of average unemployment and New Hampshire has the highest amount of average employment.
   Design: Two bar charts were created for the average unemployment and the average employment related to the different states and they are dynamic to show the Top N of users to compare two averages for the states. Bar charts are useful charts to show numerical values and categories. The second average was created by calculated field to find the values. The charts were designed with different colors to recognize the difference at the first glance.
   Resources: N/A

2. **The second dashboard**
   Link: The link is inside the link of the story.
   Summary: In the second dashboard, tried to map the average unemployment and compare it with the ethnicity in each state. Different ethnicity was chosen for this purpose: Asian, Black, Hispanic, Pacific, and White. We could see the distribution of unemployment in the states related to ethnicity.
   When the pie chart was created, it highlighted that the most unemployed states are in the southeast of the United States and one part of the southwest and Puerto Rico. Considering the poverty and ethnicity, Puerto Rico has a large Hispanic population and high value for poverty and unemployment while Mississippi as the second-place state in unemployment has a large white population and more than half with less value for poverty than Puerto Rico.
   The plots show the relationship between ethnicity and unemployment in the states.
   Design: First by creating pie charts it showed the distribution of unemployment in each state and we could see the cluster of states with similar properties. Then, the map was created and designed. Using the ethnicity in the tooltip for the pie chart to indicate the ethnic breakdown Cleary. To compare the ethnicity of each state to the entire amount of ethnicity in the US it was needed to have a grid was created in the new sheet. Finally, the poverty value was added to the sheet to have a better idea of unemployment, ethnicity, and poverty.
   Resources: N/A

3. **The third dashboard**
   Link: The link is inside the link of the story.
   Summary: In the third dashboard, focus on the same probable reasons for unemployment. The first one is about the correlation between averages of working from home and unemployment.

As we could see the correlation shows a negative effect when working from home decreases the rate of unemployed increases. In addition, focusing on averages of income and unemployment, they do not show a significant correlation to analyze.

Design: To show the correlation between two values and averages the scatter plot is the best tool to analyze. Appling the scatter plots, we could decide about the relation between the factors and their effect on the specific phenomenon.

Resources: N/A