

- Worksheet 1:
 - <https://public.tableau.com/app/profile/habiba.hazem.el.qwaisney/viz/Toptransportationineverystate/Toptransportationineverystate?publish=yes>
 - **Summary:**
 - This visualization shows the best transportation that is mostly used in every state and county.
 - We can see that most people in Alaska prefer to walk and the best transportation in the District of Columbia is transit, while New Jersey is the top in mean commute.
 - **Design:**
 - Choosing the horizontal bar chart to make room for the counties to appear and to see clearly which transportation system has the best numbers.
 - The state filter will help the readers to choose a certain state and find the needed information more specifically.
- Worksheet 2:
 - <https://public.tableau.com/app/profile/habiba.hazem.el.qwaisney/viz/Topworktypeineverystate/Topworktypeineverystate?publish=yes>
 - **Summary:**
 - This shows the top work type in every state and county
 - We can see that professional work is the top in all states.
 - **Design:**
 - I chose colored bars for different work types to make it easy for the reader to identify the prominent work type in every state easily since they are only five types.
 - The state filter will help the readers to choose a certain state and find the needed information more specifically.
- Worksheet 3:
 - <https://public.tableau.com/app/profile/habiba.hazem.el.qwaisney/viz/Nativespopulationaroundthestates/Nativespopulationaroundthestates?publish=yes>
 - **Summary:**
 - This shows the native population in every state
 - We can see that most natives are located in Alaska
 - **Design:**
 - Choosing a geo map chart was to express the locations of the natives more clearly
 - The color intensity represents the amount of natives in a certain state. More intense color means more natives are located in this area.
 - Choosing the teal color is more suitable for the color-blind viewer
- Dashboard:
 - <https://public.tableau.com/app/profile/habiba.hazem.el.qwaisney/viz/Demographics/Dashboard1?publish=yes>
- **Summary:**

- This dashboard focuses on how poverty is related to average income and unemployment around the states.
 - Income vs. Poverty :
 - we can see a linear relationship between poverty and income. As income increases, poverty decreases and vice versa.
 - Puerto Rico has the lowest income and highest poverty.
 - Connecticut and New Jersey both have a very high income and a very low poverty
 - Poverty and unemployment:
 - Puerto Rico has the highest poverty and unemployment
 - North Dakota have the lowest unemployment while connecticut has the lowest poverty.
- **Design:**
 - The state is a filter in all worksheets to allow the option for knowing detailed information about specific state
 - Choosing scatter plot for the first visualization makes it easy to see patterns and clear relation between poverty and income while choosing geo map in the investigation of unemployment and poverty was more appropriate to see the locations on the map more clearly and be more oriented in contrast with the scatter plot.
 - Setting a trend line in the scatter plot makes it more easy for the reader to see the direct relationship between poverty and income.
- Resources: N/A