

For Milestone 2, I was able to complete the process of tidying the joined dataset. During the tidying process I have completed the following steps:-

1. I created the Race and Median Income columns by melting the existing 5 types of ethnicity heads,
2. created the care setting & age and cost of care columns by melting the 8 categories of age of child and facility types column heads.
3. Lastly I broke down 'care setting and age' by using a function, The purpose of this function is to extract the age category from the input text based on certain keywords. After defining the function, it is applied to the 'Care Setting & Age' column of the DataFrame. I could not melt it further because both the variables are in the single column head.
4. Then, I dropped the column 'Care Setting & Age' because I already created two different columns 'Age' and 'Care Setting Type' in the previous steps
5. I arrived at my target variable 'Affordability (%)' by using the formula = 'Cost of Care' / 'Median Income' * 100
6. Testing out with a bar chart how a visual would look with a barchart

In the next steps I will try to find and finalize the desired visualization, refine it with more interactivity by using appropriate tools and get feedback from my peers and instructors and finalize my work.