Stage I - Data and Project Understanding

Task 2 - **Employment Dataset**

| Name | Definition | Data Type | Possible Values |
| --- | --- | --- | --- |
| Year | The year of the data | Object | 2022 |
| Quarter | The section of the year | Int64 | 1 |
| Area Type | What type of area it is | Object | Nation, State, County |
| State name | Names of the States | Object | California, North Carolina, Texas |
| Area | Location of the area | Object | Baldwin County, Alabama, Kent County, Maryland |
| Ownership | Who owns that area | Object | Private, Fed. Gov., State Gov. |
| Industry | What type of industry | Object | 1012 Construction, 1027 Other services |
| Establishment Count | How many establishments | Int64 | 11294919, 40, 153 |
| January Employment | # of employment in Jan. | Int64 | 0, 345435, 1224 |
| February Employment | # of employment in Feb. | Int64 | 435, 436734, 2140 |
| March Employment | # of employment in Mar. | Int64 | 54645, 36, 43875 |
| Total Quarterly Wages | Total wages in the quarter | Int64 | 2134325, 547657 |
| Average Weekly Wage | Average wage for the week | Int64 | 43, 1695, 530 |
| Employment Location Quotient Relative to U.S. | The percentage of employment in the location | float64 | 0.03, 2.00, 0.23 |
| Total Wage Location Quotient Relative to U.S. | Total wage of the location | float64 | 0.54, 0.45, 1.45 |

The data here can be merged with the primary Covid-19 dataset by combining the different variables in each to create new columns. For example, Industry Cases to determine how many cases occurred in different industries. Area Type Population to determine the population of different area types.

This date shows the employment rates of different counties all of the country. This can be useful to see how much of an impact Covid-19 had on different industries. My initial hypotheses were:

1. If the employment rates of certain industries drastically decreased during Covid, that must mean that Covid or the spread of it would have been more prominent in those industries.
2. If certain industries had very little rates of Covid cases, then those industries must have innate safety measures that reduced the impact of Covid.