

EDA

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With our data set, we are hoping to analyze the relationship between coal power plant emissions and health outcomes for the states of Colorado, Wyoming, and Idaho.

Size and Central Tendency

Size: 123 observations and 37 variables

Some examples of central tendency statistics:

```
summary(data$lifetime_co2_state)
```

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
46.7	46.7	46.7	129.6	331.6	331.6	44

```
summary(data$lung_cancer_per_100000)
```

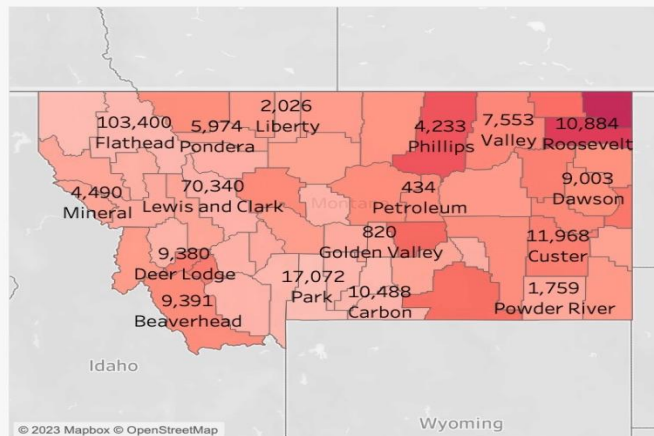
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
20.90	38.75	47.90	48.38	57.05	80.50	29

```
> summary(data$Both_Asthma)
```

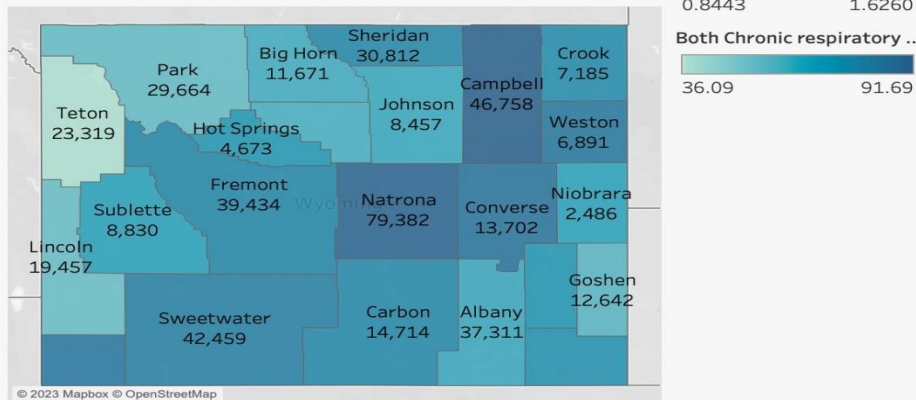
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
0.8443	1.0771	1.2023	1.2761	1.4338	2.4043

Missingness- Quinn

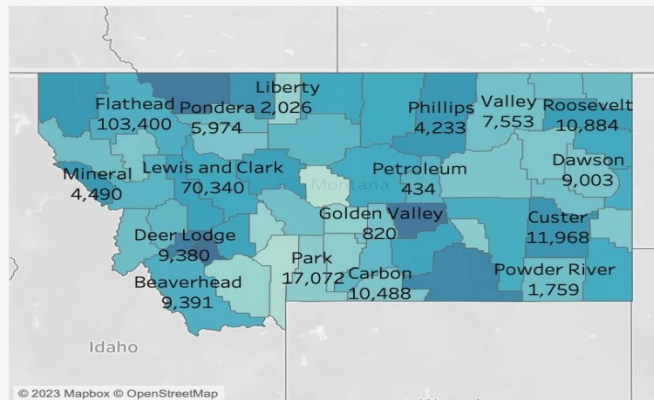
Asthma Diagnoses per Capita



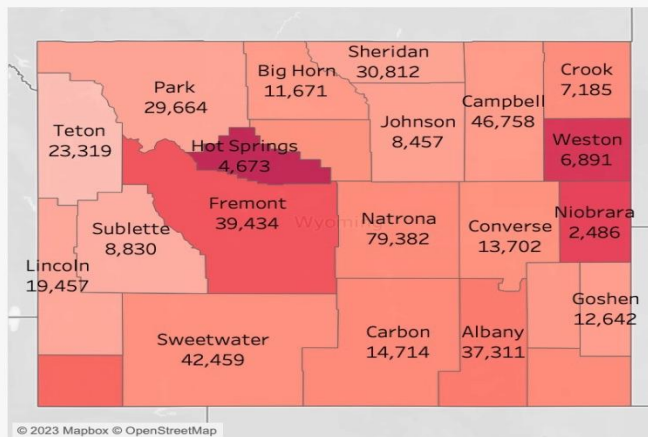
Chronic Respiratory Disease Diagnoses per Capita



Chronic Respiratory Disease Diagnoses per Capita

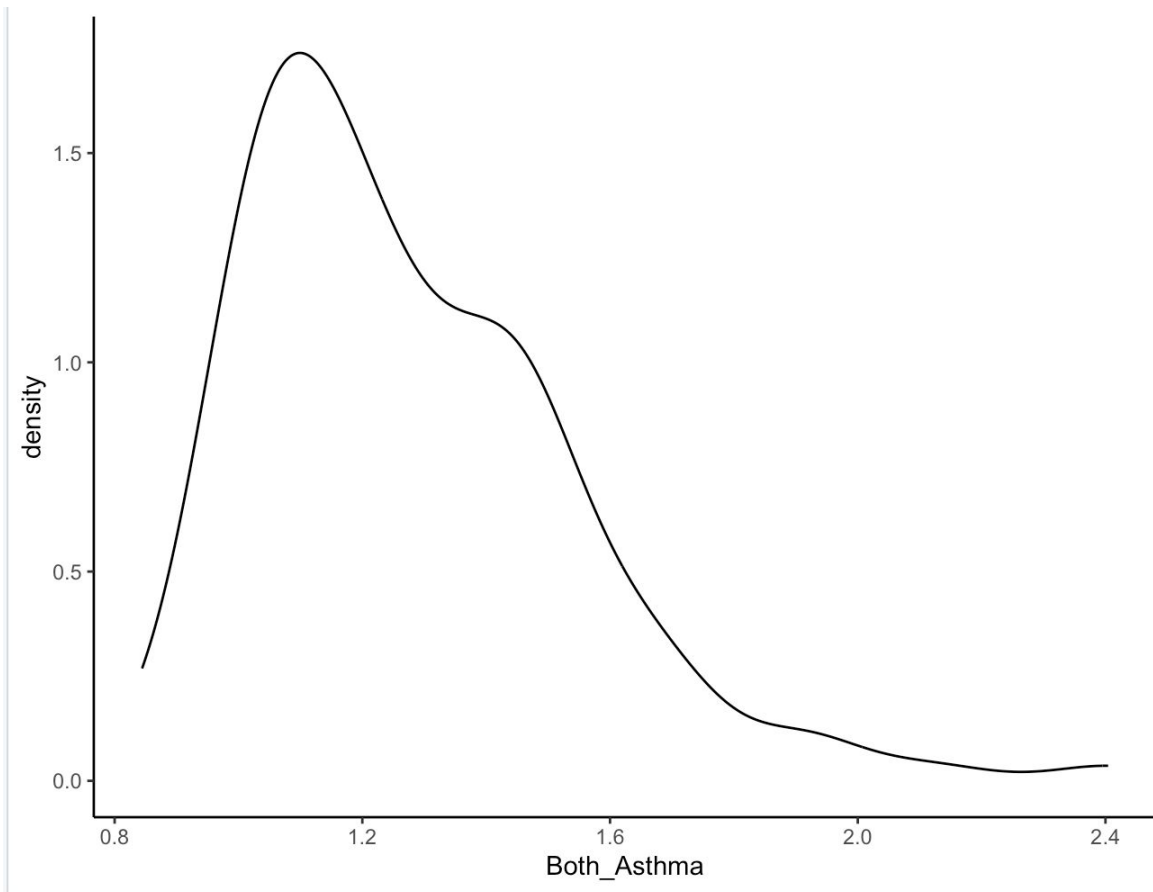


Asthma Diagnoses per Capita



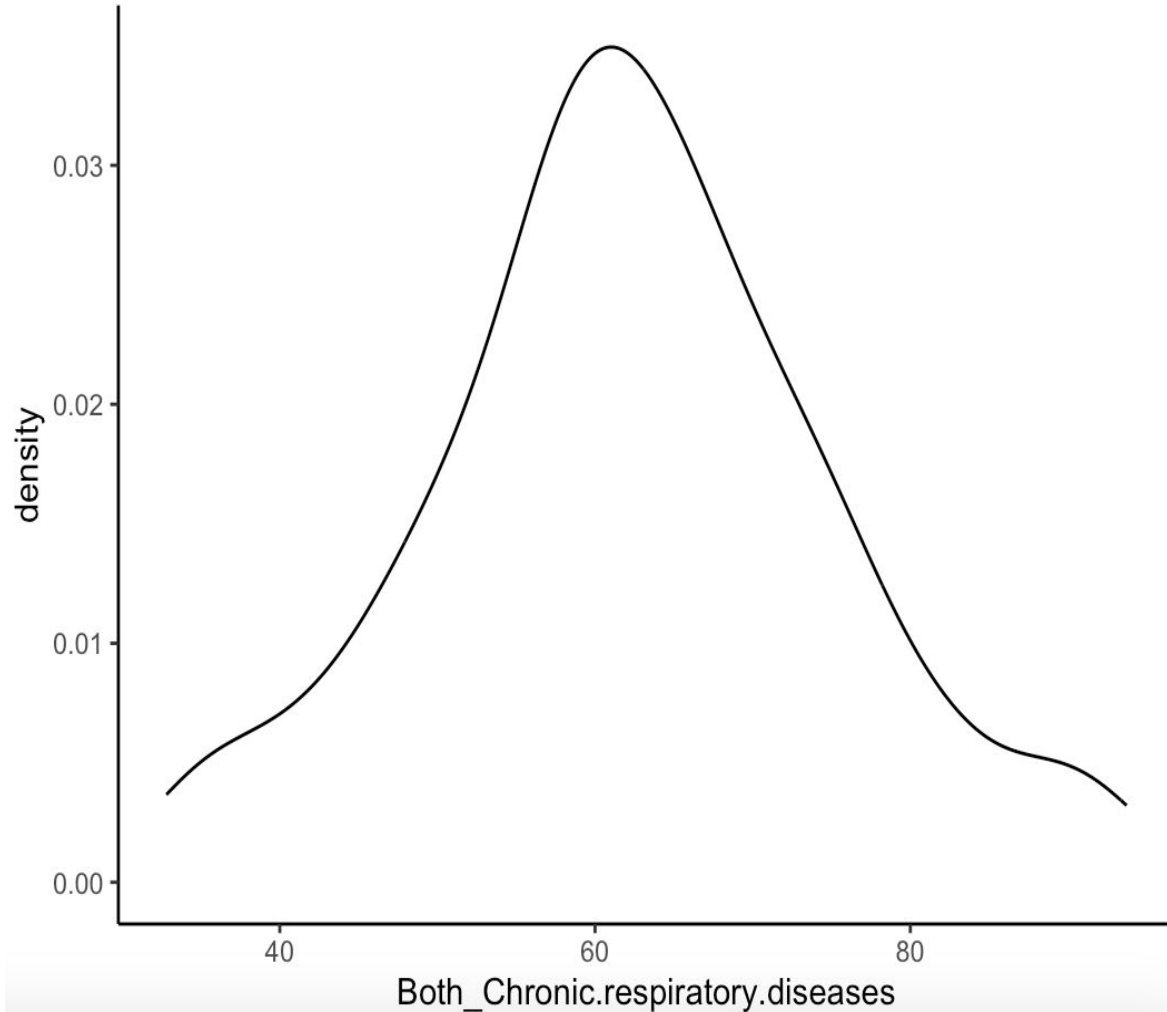
Asthma Shape

- Skewed



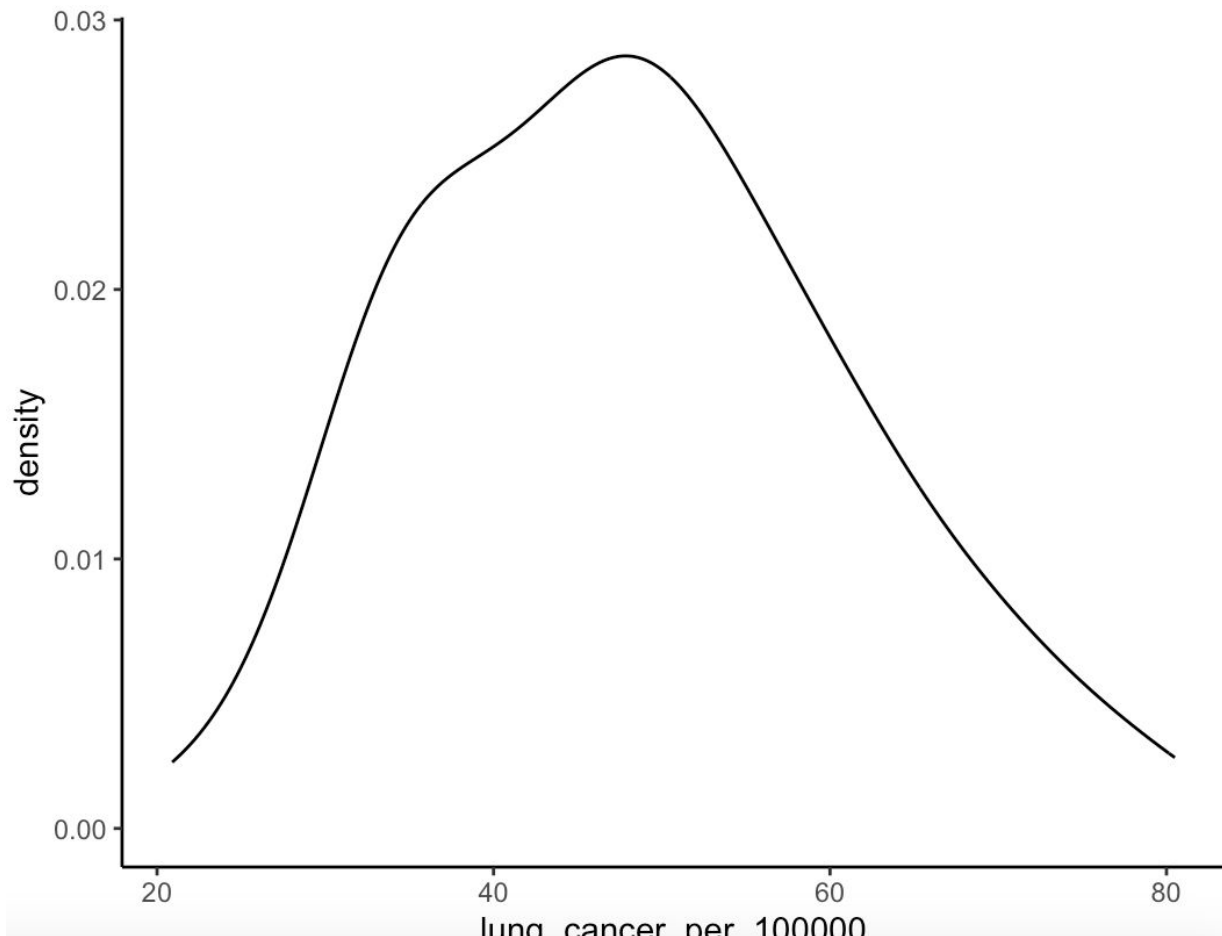
Chronic Respiratory Disease Shape

- Mostly normal



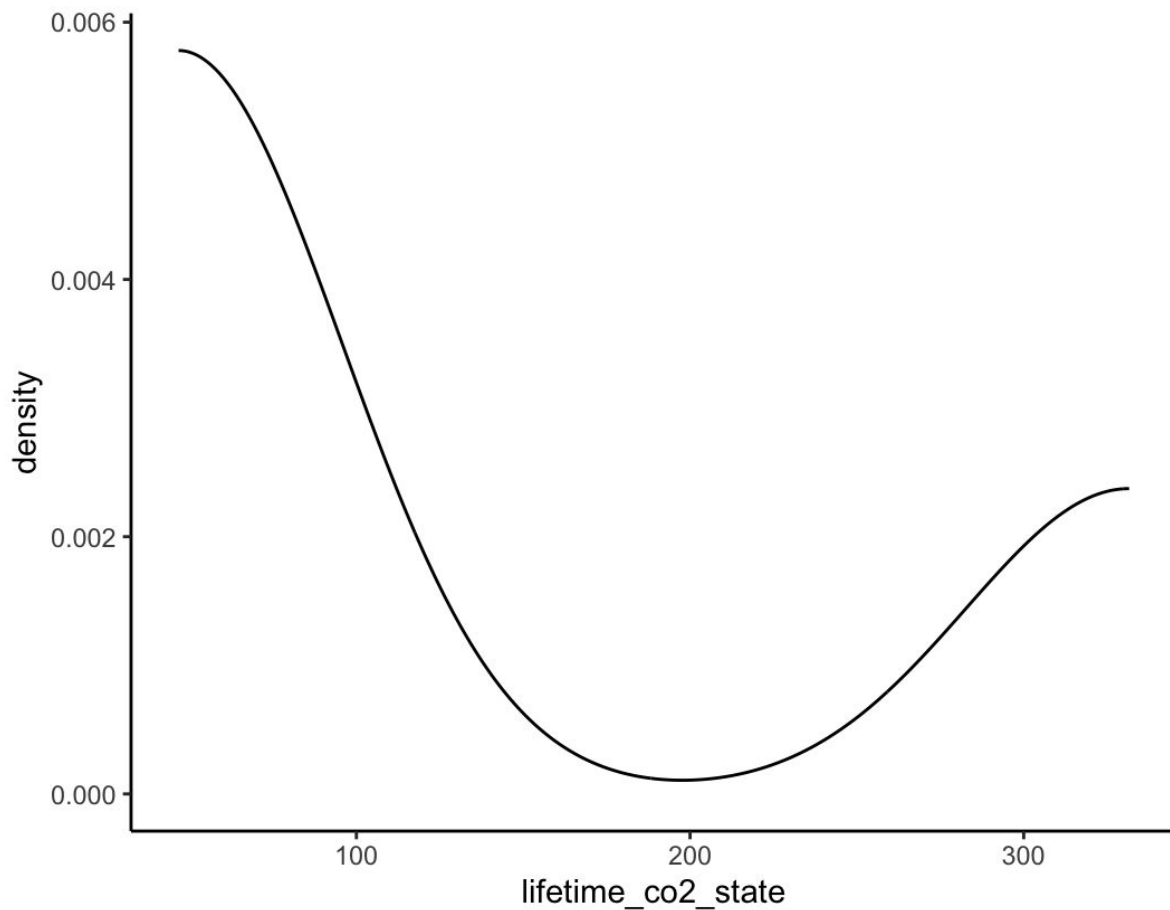
Lung Cancer Shape

- Mostly normal
- Skewed



Lifetime CO2 Shape

- Inverted, not normal
- Skewed



Correlation Matrix

