

## Questions and Discussions

- A. What is the main cause of air pollution?
  - a. In the data set I chose, the main causes of air pollution are big fires, spreading up to hundreds of thousands of acres and lasting months.
- B. Why does your area have unhealthy air quality?
  - a. Wildfires and industrial plants
- C. What health problems are caused by air pollution?
  - a. Respiratory issues, cancer, and heart disease, as well as coughing, itchy eyes, and lung diseases
- D. Has air quality improved in your area over the past 5 years?
  - a. It has stayed mostly the same, with some big variations in certain years
- E. What is the impact of COVID-19 to air quality?
  - a. During the first 6 months of the COVID-19 outbreak, there was a decrease in AQI level, but it rose again towards the end of the year.
- F. What is your neighborhood air quality?
  - a. During most of the years, my neighborhood's air quality ranged from 4 to 73.
- G. How could we reduce air pollution in your area?
  - a. We can increase fire prevention resources to reduce air pollution and protect public long-term health.
- H. What are the major air pollutants?
  - a. Major air pollutants from these fires would be  $\text{PM}_{2.5}$ ,  $\text{NO}_2$ , ozone, aromatic hydrocarbons, and lead.