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Questions and Discussions for Project A

8 February, 2025
Based on the given article[1]

   A. What is the main cause of air pollution?

Exhaust from all types of vehicles (cars, planes, boats, ect.). Carbon dioxide is released into the air which accumulates.

   B. Why does LA have unhealthy air quality?

Vehicle exhaust, frequent wildfires, mountainous geography which traps polluted air (same for the LA basin), and a large population that contribute personally through BBQs and other activities.

   C. What health problems are caused by air pollution?

Heart diseases, respiratory problems, inflammation, premature death.

   D. Has air quality improved in Los Angeles over the past 5 years?

Yes, due to the work of CARB and the Clean Air Act.

   E. What is the impact of COVID-19 to air quality?

The air quality improved because businesses were forced to close and people travelled less due to isolation mandates.

   F. What is your neighborhood air quality?

It is 42 AQI today.

   G. How could we reduce air pollution in Los Angeles?

Pushing for regulations in companies and personal use, and sources renewable energy for power grids.

   H. What are the major air pollutants?

Carbon monoxide, sulphur dioxide, nitrogen dioxide, PM2.5, PM10, and ozone.

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[1] "Los Angeles Air Quality Index (AQI) and USA Air Pollution." *IQAir*, www.iqair.com/us/usa/california/los-angeles. Accessed 9 Feb. 2025.

AI was used in Assistance with this Project

I was having trouble with cleaning the data and getting my code to read and organize by month. There were complications due to duplicates and many rows only contained hashtags. I prompted AI on how to get my code to properly read and organize my files, and then I prompted it to explain what its suggestions were doing.