

Question

what is the correlation between the proportion of generally unsafe air quality days according to the EPA and the amount of land affected by fires in 2024? Round to 2 decimal places.

Main Agent Request

I need to find the definition of 'generally unsafe air quality days' according to the EPA. This information will help me understand what data to look for and how to process it to answer the main question.

Search Agent Response

Based on the search results, the EPA does not use the exact phrase 'generally unsafe air quality days'. Instead, it uses the Air Quality Index (AQI) to classify air quality and its health implications. The term 'generally unsafe' would correspond to the AQI categories where the health effects apply to the general public, not just sensitive groups.

According to the EPA's Air Quality Index (AQI) basics from AirNow.gov, the levels that are considered unhealthy for the general population are:

- Red (Unhealthy):** AQI value of 151 to 200. At this level, 'Some members of the general public may experience health effects; members of sensitive groups may experience more serious health effects.'
- Purple (Very Unhealthy):** AQI value of 201 to 300. This is a 'Health alert: The risk of health effects is increased for everyone.'
- Maroon (Hazardous):** AQI value of 301 and higher. This is a 'Health warning of emergency conditions: everyone is more likely to be affected.'

Therefore, a 'generally unsafe air quality day' can be defined as a day when the AQI is 151 or higher.