When the average air quality index (AQI) is higher than usual in cities, it means the air quality is mostly bad.

An AQI above 100 is considered unhealthy, starting with risks for sensitive groups and becoming a concern for everyone as it goes higher.

The Average AQI value was highest in the month of November and then followed by December also it has been observed that Channi had the highest average AQI value as compared to other cities over the period.

Other factors such as Noise, Temperature and Relative humidity are co related with each other.

PM 2.5 is the highest parameter that is affecting the cities.

In 2019, Atladara was noted as the most polluted city (Averaged), consistently showing high pollution levels. In 2020, Mangal Bazar took the spotlight for having elevated pollution (Averaged), drawing attention to the concerning air quality in that year.

Elevated Average AQI in November and December, particularly in Channi, signifies consistently poor air quality, with an AQI above 100, posing health risks for all.

Correlation between Noise, Temperature, and Relative Humidity underscores interrelated environmental factors, contributing to the overall air quality.

PM 2.5 emerges as the predominant pollutant affecting cities, emphasizing the need for targeted interventions to address this specific parameter.

Historical trends reveal persistent pollution concerns, with Atladara and Mangal Bazar standing out as notably

polluted cities in 2019 and 2020, respectively, warranting focused mitigation efforts.