1. **What is the format of the data you have found?**

It’s a CSV.

1. **Will the data need cleaning?**

Yes, especially in terms of eliminating redundant or irrelevant columns and reducing the granularity of the data. Air pollutants are currently measured hourly.

1. **Can I feasibly join this data with other sources of data I have collected?**

Yes, data is published monthly, and every data point is linked to a measuring station via an ID code. These stations can be grouped by zones.

1. **How reliable is the data source?**

As reliable as it can get. It is published by Barcelona’s City Hall in their public repository Open Data BCN (<https://opendata-ajuntament.barcelona.cat/en>).

1. **What data questions can I really answer with this data?**

Knowing the most prevalent pollutant in Barcelona, the distribution of them by hour, day of the week, month or other time measures, most polluted zones of the city, mapping the air quality levels (latitude and longitude of the measuring stations is provided), forecasting the future air quality levels based on historical data.

1. **What recommendations or insights could I try to capture with this data?**

Where to focus the interventions and actions taken to reduce the contamination levels, anticipate contamination episodes.

1. **What actions can be taken off the back of any data analysis using this data?**

Monitoring air quality levels in the city, forecasting future levels based on historical data, suggesting interventions to lower total emissions or to control pollution episodes.