Air Quality in Catalunya Dataset Description

Field name	Description	Type
CODI EOI	Official code assigned by the Ministry responsible for air quality consisting of: province code, municipality code and station code.	Integer
NOM ESTACIO	Cabin name. Alphanumeric value of about 100 characters. For example: Perafort (Puigdelfi)	String
DATA	Date of measurement.	Date
MAGNITUD	Numeric code that identifies the pollutant.	Integer
CONTAMINANT	Pollutant formula or mnemonic.	String
UNITATS	Pollutant units of measurement.	String
TIPUS ESTACIO	Possible values: Traffic, Background, and Industrial (in English) Traffic or traffic: the measuring point is located in a place that receives the direct impact of traffic emissions. Industrial: The measuring point is located in a place that receives the direct impact of industrial emissions. Background: The measuring point is located in a place that does not receive the direct impact of traffic or industry emissions. The air that reaches it has been mixed and comes from different sources.	String
AREA URBANA	Possible values: urban, suburban, and rural. urban: the measuring point is located in an urban area (city) characterized by continuous construction and the existence of urban infrastructure, which includes the whole of public services. suburban: The measurement point is located in an area on the outskirts of a city, it is an area adjacent to or very close to a highly urbanized and populated city. rural: The measuring point is located in a place that is not an urban or suburban area.	String
CODI INE	5-digit numeric code corresponding to the municipality (the first two digits correspond to the province, and the next three identify the municipality).	Integer
MUNICIPI	Name of the municipality where the cabin is located. Alphanumeric value of about 100 characters. For example: Perafort.	String
CODI COMARCA	Numeric code that identifies the county where the cabin is located.	Integer
NOM COMARCA	Name of the county where the cabin is located.	String
01h	Column with the measured value for the station pollutant for time 01.	Float
02h	Column with the measured value for the station pollutant for time 02.	Float
03h	Column with the measured value for the station pollutant for time 03.	Float
04h	Column with the measured value for the station pollutant for time 04.	Float
05h	Column with the measured value for the station pollutant for time 05.	Float
06h	Column with the measured value for the station pollutant for time 06.	Float
07h	Column with the measured value for the station pollutant for time 07.	Float
08h	Column with the measured value for the station pollutant for time 08.	Float

09h	Column with the measured value for the station pollutant for time 09.	Float
10h	Column with the measured value for the station pollutant for time 10.	Float
11h	Column with the measured value for the station pollutant for time 11.	Float
12h	Column with the measured value for the station pollutant for time 12.	Float
13h	Column with the measured value for the station pollutant for time 13.	Float
14h	Column with the measured value for the station pollutant for time 14.	Float
15h	Column with the measured value for the station pollutant for time 15.	Float
16h	Column with the measured value for the station pollutant for time 16.	Float
17h	Column with the measured value for the station pollutant for time 17.	Float
18h	Column with the measured value for the station pollutant for time 18.	Float
19h	Column with the measured value for the station pollutant for time 19.	Float
20h	Column with the measured value for the station pollutant for time 20.	Float
21h	Column with the measured value for the station pollutant for time 21.	Float
22h	Column with the measured value for the station pollutant for time 22.	Float
23h	Column with the measured value for the station pollutant for time 23.	Float
24h	Column with the measured value for the station pollutant for time 24.	Float
ALTITUD	Numerical value of the altitude of the station.	Integer
LATITUD	Latitude expressed in decimal degrees. WGS84 reference system.	Float
LONGITUD	Longitude expressed in decimal degrees. WGS84 reference system.	Float
GEOREFERENCIA	Georeference column.	String