# Package 'airqualityES'

February 29, 2020

**Title** Air Quality Measurements in Spain from 2011 to 2018

**Version** 1.0.0

**Description** These dataset contains daily quality air measurements in
Spain over a period of 18 years (from 2001 to 2018). The measurements refer to
several pollutants. These data are openly published by the Government of Spain.
The datasets were originally spread over a number of files and formats. Here,
the same information is contained in simple dataframe for convenience of
researches, journalists or general public. See the Spanish Government website
<http://www.miteco.gob.es/> for more information.

**Depends** R (>= 3.4.0)

**License** CC BY-SA 4.0

**Encoding** UTF-8

**LazyData** true

**Imports** tibble (>= 2.1.3)

**Suggests** knitr, rmarkdown

**URL** https://github.com/jdieramon/airqualityES

**BugReports** https://github.com/jdieramon/airqualityES/issues

**RoxygenNote** 6.1.1

**NeedsCompilation** no

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**Repository** CRAN

**Date/Publication** 2020-02-29 13:30:02 UTC

## R topics documented:

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airqES                        *Air quality measurements in Spain*

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### Description

Daily data referred to several pollutants (from 2001 to 2018).

### Usage

```
data(airqES)
```

### Format

A `data.frame` with 112,484 rows and columns:

- year, Year of measurement
- month, Month of measurement
- province, Province
- city, City
- station_id, Measurement station identifier
- pollutant, Pollutant name
- D01-D031, days 1-31 of measurement

### Author(s)

Jose V. Die & Jose R. Caro

### Source

Official data [Government of Spain](#).

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airqualityES             *airqualityES: Air Quality Measurements in Spain*

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### Description

aiqualityES dataset contains daily quality air measurements from 2001 to 2018.

### Author(s)

Jose V. Die <jose.die@uco.es>, Jose R. Caro

#### See Also

Useful links:

- <https://github.com/jdieramon/airqualityES>
- Report bugs at <https://github.com/jdieramon/airqualityES/issues>

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| stations | *Air stations in Spain* |
|---|---|

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#### Description

Description of station features.

#### Usage

```
data(stations)
```

#### Format

A `data.frame` with 604 rows and columns:

- id, local identifier
- province_id, province identifier
- city_id, city identifier
- station, station identifier
- location_id, location identifier
- administration, official administration
- station_name, name of the station
- first_day, day of first recod
- last_day, day of last record
- latitude, coordinates
- longitude, coordinates
- altitude, coordinates
- auton_commun, autonomous communities
- province, province
- city, city
- station_kind, kind of station
- area, area

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