Dataset

The dataset contains six files, each providing information on water consumption measurements, hierarchical geography, customer profiles, and meteorological information. You are free to add as many additional data sources as you consider necessary to enrich your model.

- caudales.csv
- gis.csv
- abonado.csv
- cliente.csv
- Contador.csv
- Clima.csv

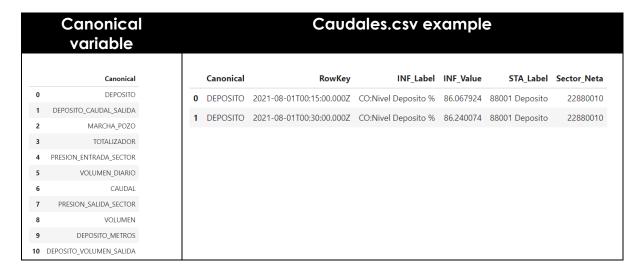
1. caudales.csv

This file contains information related to water consumption in the city of Villarubia (Service VR) for the time period between August 2021 and December 2022.

These are the variables in caudales.csv dataset:

- Canonical: Indicates the type of element from which the measurement is obtained.
- RowKey: Date and time when the measurement was made.
- INF_Label: Specific information about the canonical.
- INF Value: Value of the measurement.
- STA_Label: Identification number of the Neta sector and the canonical.
- Sector Neta: Indicates the sector where the element is located.

Note that only the water supply services of Villarubia need to be considered for analysis and forecasting. Also, pay attention to the frequency of measurements.



2. gis.csv

This file contains information related to the hierarchical and locational relationship of the elements that exist in the water supply service of Villarubia. GIS means Geographic Information System.

These are the variables in gis.cvs dataset:

- oid: Identifier of the service and Gis code.
- bissioCode: Sector code.
- Code: Gis (Geographic Information System) code.
- parentCode: code of the parent sector.
- Name: Name of the sector.
- Service: Service code. This code is always VR (Villarubia).



3. abonado.csv

This file contains information related to the provision of service in Villarubia.

These are the variables in abonado.csv dataset:

- COD_CONCESION: Service code. This code is always VR (Villarubia).
- SECTOR: Sector code.
- COD_SUMINISTRO: Contract reference.
- FECHA_ALTA_SUMINISTRO: Contract start date.
- FECHA_BAJA_SUMINISTRO: Contract termination date.
- COD_TIPO_SUMINISTRO: Type of supply.
- NUM_VIVIENDAS: Number of dwellings registered in the contract.
- NUM_PERSONAS: Number of people registered in the contract.

				abonado	.csv examp	e		
	COD_CONCESION	SECTOR	COD_SUMINISTRO	FECHA_ALTA_SUMINISTRO	FECHA_BAJA_SUMINISTRO	COD_TIPO_SUMINISTRO	NUM_VIVIENDAS	NUM_PERSONAS
7133	VR	2	1000002	2009-08-13	NaN	CONT	1.0	3.0
7134	VR	0	1000003	2009-08-17	NaN	CONT	1.0	3.0

4. cliente.csv

This file contains information on the type of customer and the model of their meter.

These are the variables in cliente.csv dataset:

- cod_concesion: Service code. This code is always VR (Villarubia).
- cod_tipo_sujeto: Type of customer.
- COD SUMINISTRO: Contract reference.
- SECTOR: Sector code.
- COD_TIPO_SUMINISTRO: Type of supply.
- COD CONTADOR ACT: Meter model.

	Cliente.csv example								
	cod_concesion	cod_tipo_sujeto	COD_SUMINISTRO	SECTOR	COD_TIPO_SUMINISTRO	COD_CONTADOR_ACT			
7131	VR	PER	1000002	2	CONT	Q18EA019889G			
7132	VR	PER	1000003	0	CONT	J14LA719590L			

5. contador.csv

This file contains information related to the meter and its manufacturer.

These are the variables in Contador.csv dataset:

- cod_concesion: Service code. This code is always VR (Villarubia).
- COD_CONTADOR_ACT: model of the meter.
- CALIBRE: diameter of the meter.

	contac	dor.csv example	
	cod_concesion	COD_CONTADOR_ACT	CALIBRE
7131	VR	Q18EA019889G	13.0
7132	VR	J14LA719590L	13.0

6. clima.csv

This dataset contains information about the weather conditions.

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0	264.50	4.4	7.1	15.3	22.1	01T00:00:00	021-01- 0+01:00	7.4	NaN		55.3	2.1	1609459200000	2.6	205.2	Drizzle, Mist, Light Drizzle, Rain
1	291.04	2.1	6.9	19.6	18.5	02T00:00:00	021-01- 0+01:00	8.3	NaN		25.0	-1.3	1609545600000	0.0	229.3	NaN
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sr		oth s	ealeve	lpressure		ow dew 0.0 1.8	humid 83.		pcover	wgust NaN		Rair Partiall cloud	n, y -1.5		39.2210171,-	