

continuous dataset.csv

Column name	Description	Unit
datetime	Date-time index corresponding to Panama time-zone UTC-05:00 (index)	
nat_demand	National electricity load (Target or Dependent variable)	MWh
T2M_toc	Temperature at 2 meters in Tocumen, Panama city	°C
QV2M_toc	Relative humidity at 2 meters in Tocumen, Panama city	%
TQL_toc	Liquid precipitation in Tocumen, Panama city	liters/m ²
W2M_toc	Wind Speed at 2 meters in Tocumen, Panama city	m/s
T2M_san	Temperature at 2 meters in Santiago city	°C
QV2M_san	Relative humidity at 2 meters in Santiago city	%
TQL_san	Liquid precipitation in Santiago city	l/m ²
W2M_san	Wind Speed at 2 meters in Santiago city	m/s
T2M_dav	Temperature at 2 meters in David city	°C
QV2M_dav	Relative humidity at 2 meters in David city	%
TQL_dav	Liquid precipitation in David city	l/m ²
W2M_dav	Wind Speed at 2 meters in David city	m/s
Holiday_ID	Unique identification number	integer
holiday	Holiday binary indicator	1 = holiday, 0 = regular day
school	School period binary indicator	1 = school, 0 = vacations

train_dataframes.xlsx and test_dataframes.xlsx

Column name	Description	Unit
datetime	Date-time index corresponding to Panama time-zone UTC-05:00 (index)	
week_X-2	Load lag from second previous week before forecast	MWh
week_X-3	Load lag from third previous week before forecast	MWh
week_X-4	Load lag from fourth previous week before forecast	MWh
MA_X-4	Load lag moving average, from first till fourth previous weeks before forecast	MWh
dayOfWeek	Day of the week, starting on Saturdays	[1,7]
weekend	Weekend binary indicator	1 = weekend, 0 = weekday
holiday	Holiday binary indicator	1 = holiday, 0 = regular day
Holiday_ID	Unique identification number	integer
hourOfDay	Hour of the day	[0, 23]
T2M_toc	Temperature at 2 meters in Tocumen, Panama city	°C
DEMAND	National electricity load (Target or Dependent variable)	MWh

weekly pre-dispatch forecast.csv

Column name	Description	Unit
datetime	Date-time index corresponding to Panama time-zone UTC-05:00 (index)	
load_forecast	Load forecast from weekly pre-dispatch report	MWh

Holidays identification number

Holiday_ID	Motive (English)
1	New Year
2	Martyrs' Day
3	Carnival Saturday
4	Carnival Sunday
5	Carnival Monday
6	Carnival Tuesday
7	Ash Wednesday
8	Holy Thursday
9	Good Friday
10	Holy Saturday
11	Resurrection Sunday
12	Labor Day
13	Foundation of Old Panama
14	Separation of Panama from Colombia
15	Flag Day
16	Patriotic Commemoration in Colón city
17	First Cry of Independence
18	Independence of Panama from Spain
19	Mother's Day
20	Christmas eve
21	Christmas
22	New Year's Eve