

## Source

<https://www.kaggle.com/datasets/loveall/appliances-energy-prediction?resource=download>

## Metadata

date time year-month-day hour:minute:second

Appliances, energy use in Wh

lights, energy use of light fixtures in the house in Wh

T1, Temperature in kitchen area, in Celsius

RH\_1, Humidity in kitchen area, in %

T2, Temperature in living room area, in Celsius

RH\_2, Humidity in living room area, in %

T3, Temperature in laundry room area

RH\_3, Humidity in laundry room area, in %

T4, Temperature in office room, in Celsius

RH\_4, Humidity in office room, in %

T5, Temperature in bathroom, in Celsius

RH\_5, Humidity in bathroom, in %

T6, Temperature outside the building (north side), in Celsius

RH\_6, Humidity outside the building (north side), in %

T7, Temperature in ironing room , in Celsius

RH\_7, Humidity in ironing room, in %

T8, Temperature in teenager room 2, in Celsius

RH\_8, Humidity in teenager room 2, in %

T9, Temperature in parents room, in Celsius

RH\_9, Humidity in parents room, in %

To, Temperature outside (from Chievres weather station), in Celsius

Pressure (from Chievres weather station), in mm Hg

RH\_out, Humidity outside (from Chievres weather station), in %

Wind speed (from Chievres weather station), in m/s

Visibility (from Chievres weather station), in km

Tdewpoint (from Chievres weather station),  $^{\circ}\text{C}$

rv1, Random variable 1, nondimensional

rv2, Random variable 2, nondimensional

Where indicated, hourly data (then interpolated) from the nearest airport weather station (Chievres Airport, Belgium) was downloaded from a public data set from Reliable Prognosis, rp5.ru. Permission was obtained from Reliable Prognosis for the distribution of the 4.5 months of weather data.