

Energy consumption Analysis

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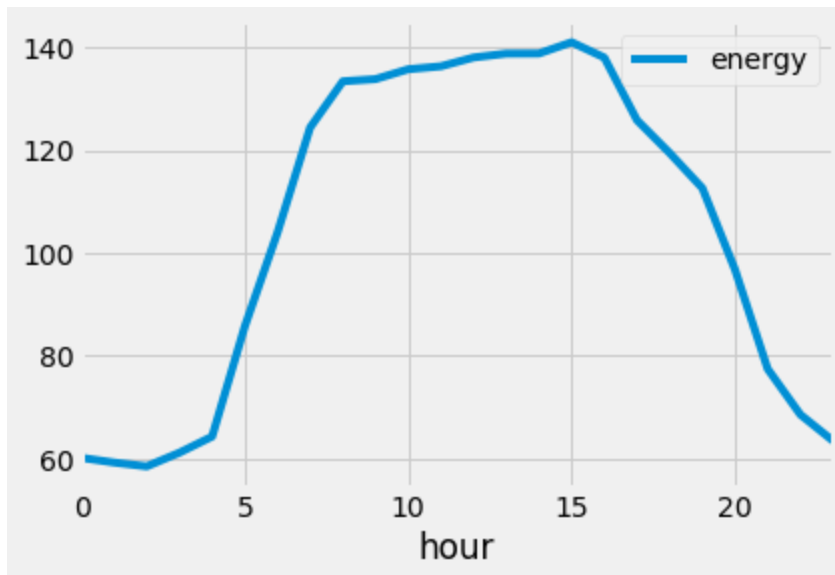
Link for dataset

<https://openei.org/datasets/dataset/commercial-and-residential-hourly-load-profiles-for-all-tmy3-locations-in-the-united-states>

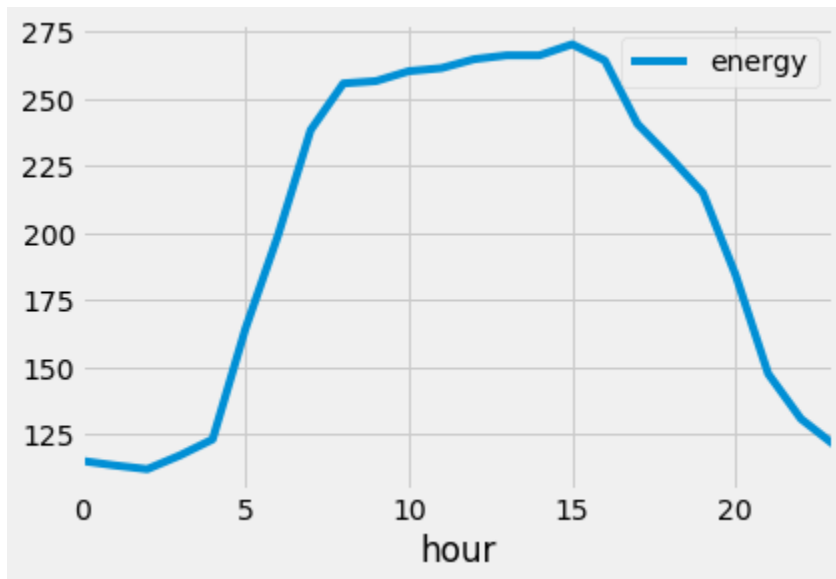
Basic data analysis :

--the **hour of the day** on the x-axis and the **energy consumption** on the y-axis,

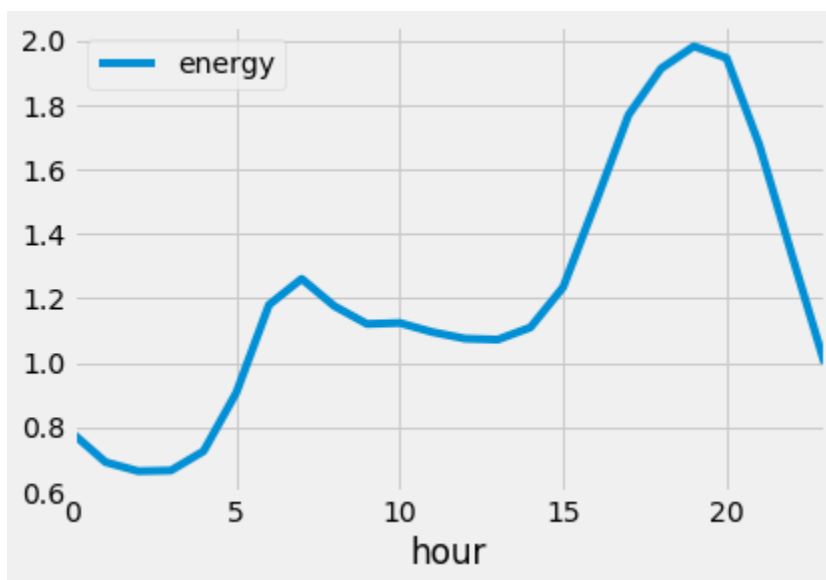
The total energy profile looks like an average day.(commercial and residential)



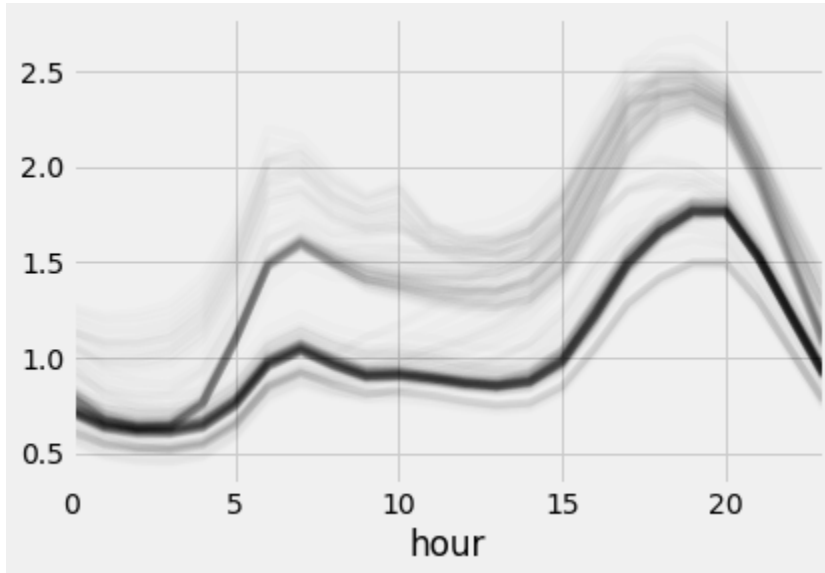
Only commercial ↴



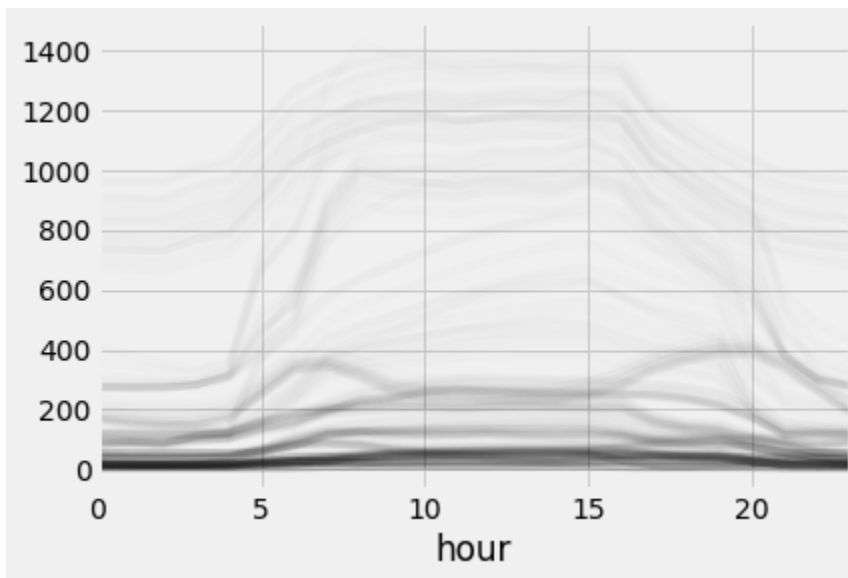
Only residential ↴



Different type of residential buildings ↴



Different type of commercial buildings ↴



Different types of buildings

Name: name, Length: 253, dtype: int64

AZ_PHOENIX 140160

MN_DULUTH 140160

IL_CHICAGO-OHARE 140160

NM_ALBUQUERQUE 140160

MN_MINNEAPOLIS 140160

...

NY_Massena 8760

WV_Huntington 8760

MT_Lewistown 8760

SD_Rapid_City 8760

FL_Miami 8760