Data List:

We can summarize the data under 3 division:

The following 3 vector has the same features: **PV Generation, Wind Generation, Calculated Load Sum** (PV, wind and powerplant):

The corresponding cvs file names are 'PV_power_gen', 'wind_power_gen' and 'loadcon'.

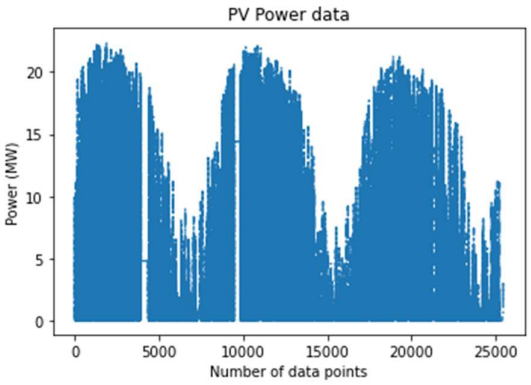
Time range: 12.03.2019 – 04.02.2022

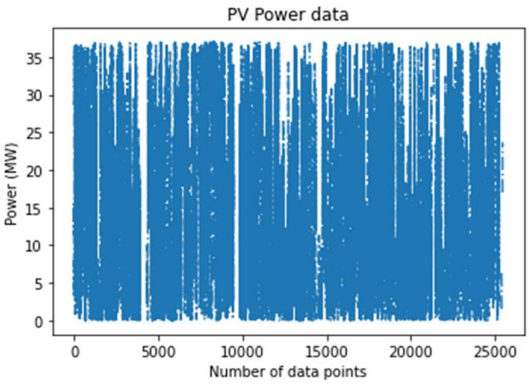
The unit is MW.

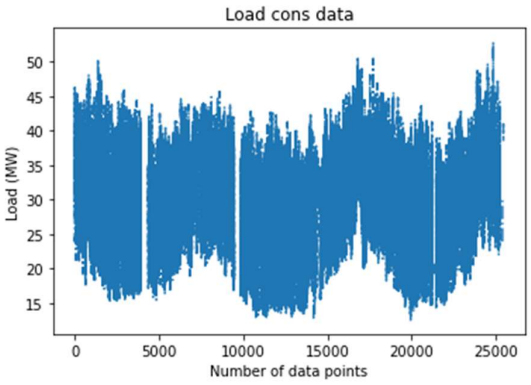
Time resolution 1 hr.

The outlier and other issues are solved. However, only the Nan values have not been replaced since about 10% of the data is Nan for all three vectors for the same time interval (there was probably a recording issue related to the interface). Another reason is to not interfere with these. There are some nan values with the consecutive days (like 10 days with no data) that might cause a wrong direction during the forecasting.

Here, photovoltaic is up to 23MW and wind turbines are up to 37MW. It can be seen the missing parts are same for each one and highly wide.







Dayahead Price:

The corresponding cvs file name is ‘da_prices’.

Time range: 07.02.2017 – 04.02.2022

It is kr/MWh.

Time resolution 1 hr.

All the data problems are solved.

Weather Data (Temperature, Wind Speed, Solar Radiation):

The corresponding cvs file names are ‘temperature’, ‘windspeed’ and ‘radiation’.

Time range: 12.03.2019 – 04.02.2022

Time resolution is 5 min.

All the data problems are solved.