

Exploratory Data Analysis

- After looking at the results we can see that there is a huge cluster where the Electrical energy output is the maximum(PE). So we can easily say that the ambient Temperature(AT) is relative to the energy output. Lower the Temperature, higher the Electrical Energy output.
- Exhaust Vacuum(V) also has effect on PE. We can see two clusters in the scatter plot diagram where the high output is produced the when the vacuum collected is around 40-50 cm Hg .
- Ambient Pressure (AP) is also relative as we can see the output increases as we increase the pressure. In the scatterplot we can see that it's an increasing trend in the output along with the ambient pressure.
- Relative humidity(RH) is just a big cloud and is not relative to the energy output. It does not have much effect on the PE.
- In the correlation heatmap we can also observe that Ambient Temperature and the Ambient Pressure have strong relationship with the Energy Output. The exhaust vacuum is the other thing that is just above average that have some effect on the Energy Output.