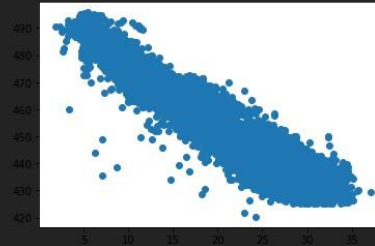



```

# draw a scatter plot diagram
# The x-axis represents AT, and the y-axis represents PE.
plt.scatter(data['AT'],data['PE'])

```

<matplotlib.collections.PathCollection at 0x1c61273b80>

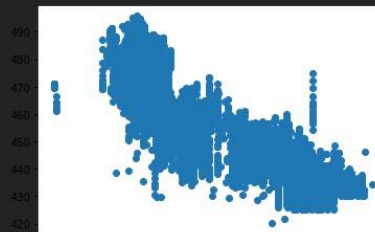


```

# draw a scatter plot diagram
# The x-axis represents V, and the y-axis represents PE.
plt.scatter(data['V'],data['PE'])

```

<matplotlib.collections.PathCollection at 0x1c6127f1370>

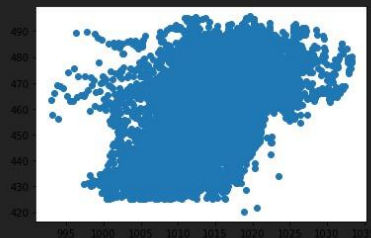


```

# draw a scatter plot diagram
# The x-axis represents AP, and the y-axis represents PE.
plt.scatter(data['AP'],data['PE'])

```

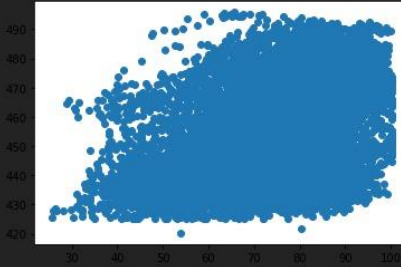
<matplotlib.collections.PathCollection at 0x1c61290c370>



Bivariate Analysis

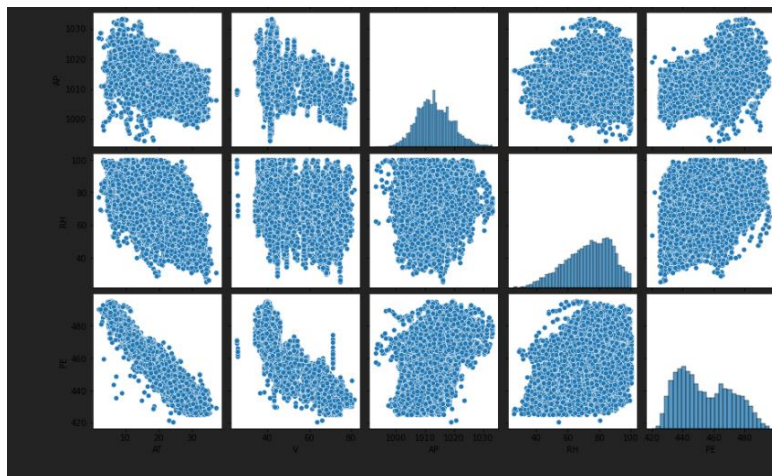
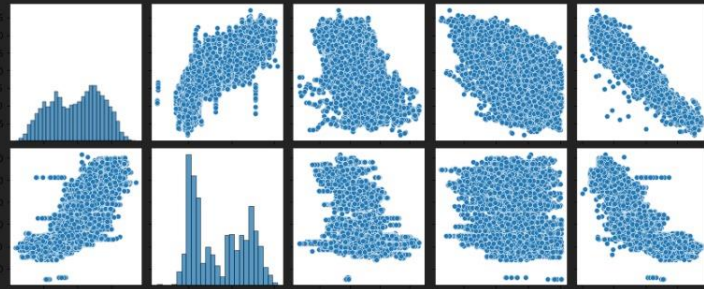
```
# draw a scatter plot diagram
# The x-axis represents RH, and the y-axis represents PE.
plt.scatter(data['RH'], data['PE'])
```




```
<matplotlib.collections.PathCollection at 0x1c612aed4c0>
```



```
# The pairplot function creates a grid of Axes such that each variable
# in data will be shared in the y-axis across a single row and in the x-axis across a single column.
sns.pairplot(data, diag_kind = 'hist')
```

```
<seaborn.axisgrid.PairGrid at 0x1c6068f9e50>
```



Outliers and Anomalies	-																																																						
Data Preprocessing Code Screenshots																																																							
Loading Data	<div><div><div>{x}</div><div></div><div></div><div></div></div><table><thead><tr><th></th><th>AT</th><th>V</th><th>AP</th><th>RH</th><th>PE</th></tr></thead><tbody><tr><td>count</td><td>9568.000000</td><td>9568.000000</td><td>9568.000000</td><td>9568.000000</td><td>9568.000000</td></tr><tr><td>mean</td><td>19.651231</td><td>54.305804</td><td>1013.259078</td><td>73.308978</td><td>454.365009</td></tr><tr><td>std</td><td>7.452473</td><td>12.707893</td><td>5.938784</td><td>14.600269</td><td>17.066995</td></tr><tr><td>min</td><td>1.810000</td><td>25.360000</td><td>992.890000</td><td>25.560000</td><td>420.260000</td></tr><tr><td>25%</td><td>13.510000</td><td>41.740000</td><td>1009.100000</td><td>63.327500</td><td>439.750000</td></tr><tr><td>50%</td><td>20.345000</td><td>52.080000</td><td>1012.940000</td><td>74.975000</td><td>451.550000</td></tr><tr><td>75%</td><td>25.720000</td><td>66.540000</td><td>1017.260000</td><td>84.830000</td><td>468.430000</td></tr><tr><td>max</td><td>37.110000</td><td>81.560000</td><td>1033.300000</td><td>100.160000</td><td>495.760000</td></tr></tbody></table></div>		AT	V	AP	RH	PE	count	9568.000000	9568.000000	9568.000000	9568.000000	9568.000000	mean	19.651231	54.305804	1013.259078	73.308978	454.365009	std	7.452473	12.707893	5.938784	14.600269	17.066995	min	1.810000	25.360000	992.890000	25.560000	420.260000	25%	13.510000	41.740000	1009.100000	63.327500	439.750000	50%	20.345000	52.080000	1012.940000	74.975000	451.550000	75%	25.720000	66.540000	1017.260000	84.830000	468.430000	max	37.110000	81.560000	1033.300000	100.160000	495.760000
	AT	V	AP	RH	PE																																																		
count	9568.000000	9568.000000	9568.000000	9568.000000	9568.000000																																																		
mean	19.651231	54.305804	1013.259078	73.308978	454.365009																																																		
std	7.452473	12.707893	5.938784	14.600269	17.066995																																																		
min	1.810000	25.360000	992.890000	25.560000	420.260000																																																		
25%	13.510000	41.740000	1009.100000	63.327500	439.750000																																																		
50%	20.345000	52.080000	1012.940000	74.975000	451.550000																																																		
75%	25.720000	66.540000	1017.260000	84.830000	468.430000																																																		
max	37.110000	81.560000	1033.300000	100.160000	495.760000																																																		
Handling Missing Data	No missing values																																																						
Feature Engineering	Attached the codes in final submission.																																																						
Save Processed Data	-																																																						