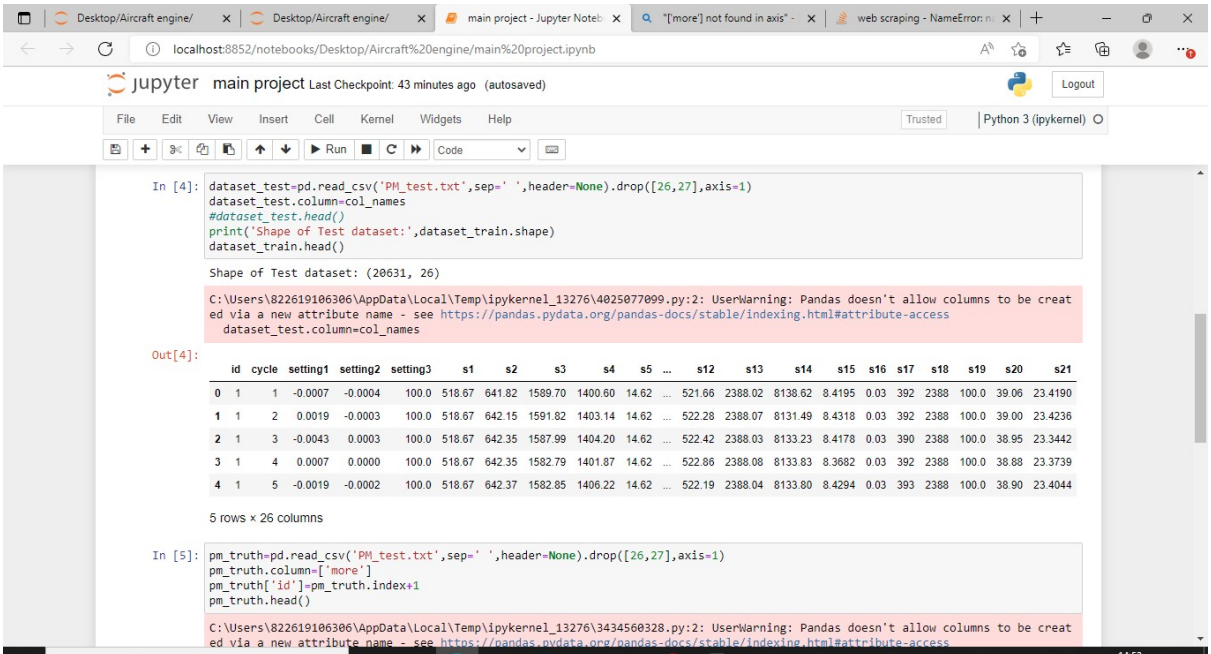
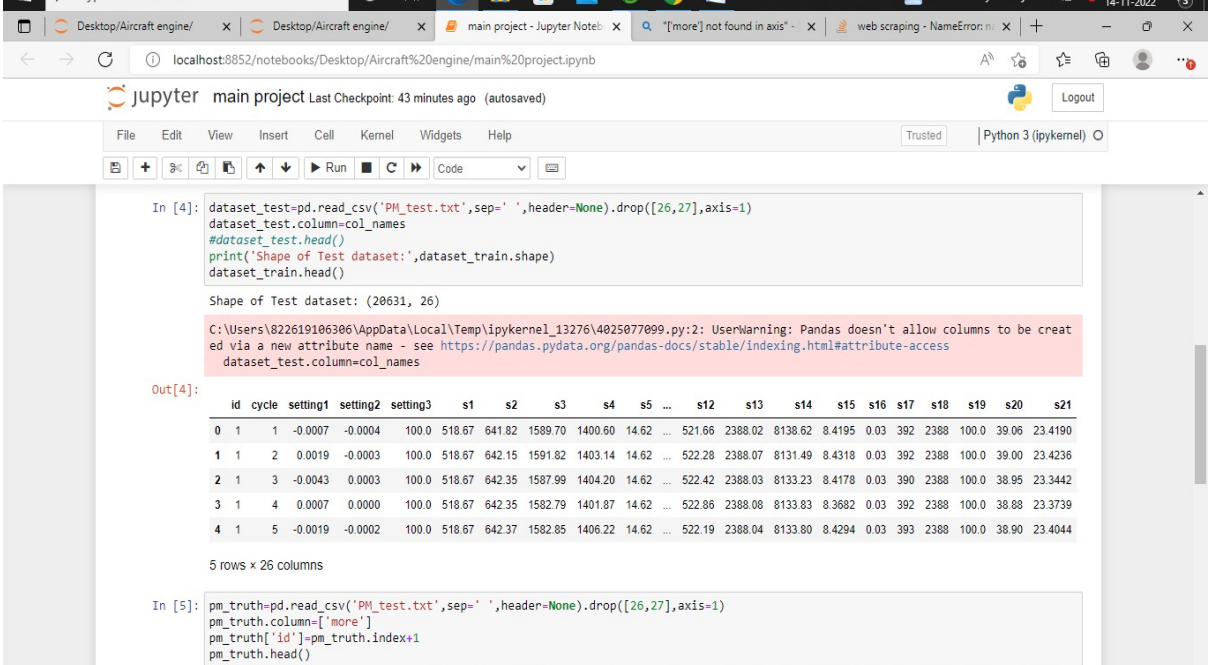
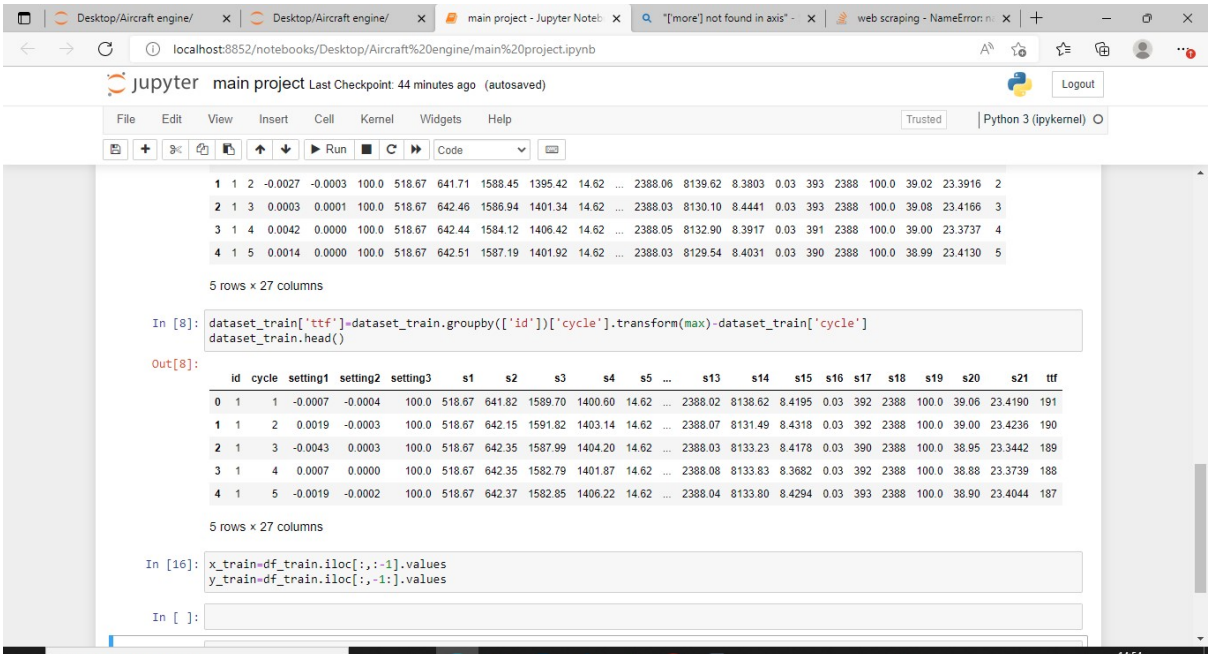

Desktop/Aircraft engine/
Desktop/Aircraft engine/
main project - Jupyter Noteb
"['more'] not found in axis" -
web scraping - NameError: n
localhost:8852/notebooks/Desktop/Aircraft%20engine/main%20project.ipynb
jupyter main project Last Checkpoint: 43 minutes ago (autosaved)
Logout
File Edit View Insert Cell Kernel Widgets Help
Trusted
Python 3 (ipykernel)
Run
Code
In [4]:
dataset_test=pd.read_csv('PM_test.txt',sep=' ',header=None).drop([26,27],axis=1)
dataset_test.column=col_names
#dataset_test.head()
print('Shape of Test dataset:',dataset_train.shape)
dataset_train.head()
Shape of Test dataset: (20631, 26)
C:\Users\822619106306\AppData\Local\Temp\ipykernel_13276\4025077099.py:2: UserWarning: Pandas doesn't allow columns to be created via a new attribute name - see https://pandas.pydata.org/pandas-docs/stable/indexing.html#attribute-access
dataset_test.column=col_names
Out[4]:
id cycle setting1 setting2 setting3 s1 s2 s3 s4 s5 ... s12 s13 s14 s15 s16 s17 s18 s19 s20 s21
0 1 1 -0.0007 -0.0004 100.0 518.67 641.82 1589.70 1400.60 14.62 ... 521.66 2388.02 8138.62 8.4195 0.03 392 2388 100.0 39.06 23.4190
1 1 2 0.0019 -0.0003 100.0 518.67 642.15 1591.82 1403.14 14.62 ... 522.28 2388.07 8131.49 8.4318 0.03 392 2388 100.0 39.00 23.4236
2 1 3 -0.0043 0.0003 100.0 518.67 642.35 1587.99 1404.20 14.62 ... 522.42 2388.03 8133.23 8.4178 0.03 390 2388 100.0 38.95 23.3442
3 1 4 0.0007 0.0000 100.0 518.67 642.35 1582.79 1401.87 14.62 ... 522.86 2388.08 8133.83 8.3682 0.03 392 2388 100.0 38.88 23.3739
4 1 5 -0.0019 -0.0002 100.0 518.67 642.37 1582.85 1406.22 14.62 ... 522.19 2388.04 8133.80 8.4294 0.03 393 2388 100.0 38.90 23.4044
5 rows × 26 columns
In [5]:
pm_truth=pd.read_csv('PM_test.txt',sep=' ',header=None).drop([26,27],axis=1)
pm_truth.column=['more']
pm_truth['id']=pm_truth.index+1
pm_truth.head()
C:\Users\822619106306\AppData\Local\Temp\ipykernel_13276\3434560328.py:2: UserWarning: Pandas doesn't allow columns to be created via a new attribute name - see https://pandas.pydata.org/pandas-docs/stable/indexing.html#attribute-access
Type here to search
85°F Partly sunny
14:53
14-11-2022





1	1	2	-0.0027	-0.0003	100.0	518.67	641.71	1588.45	1395.42	14.62	...	2388.06	8139.62	8.3803	0.03	393	2388	100.0	39.02	23.3916	2
2	1	3	0.0003	0.0001	100.0	518.67	642.46	1586.94	1401.34	14.62	...	2388.03	8130.10	8.4441	0.03	393	2388	100.0	39.08	23.4166	3
3	1	4	0.0042	0.0000	100.0	518.67	642.44	1584.12	1406.42	14.62	...	2388.05	8132.90	8.3917	0.03	391	2388	100.0	39.00	23.3737	4
4	1	5	0.0014	0.0000	100.0	518.67	642.51	1587.19	1401.92	14.62	...	2388.03	8129.54	8.4031	0.03	390	2388	100.0	38.99	23.4130	5

5 rows × 27 columns

In [8]:
```
dataset_train['ttf']=dataset_train.groupby(['id'])['cycle'].transform(max)-dataset_train['cycle']
dataset_train.head()
```

Out[8]:

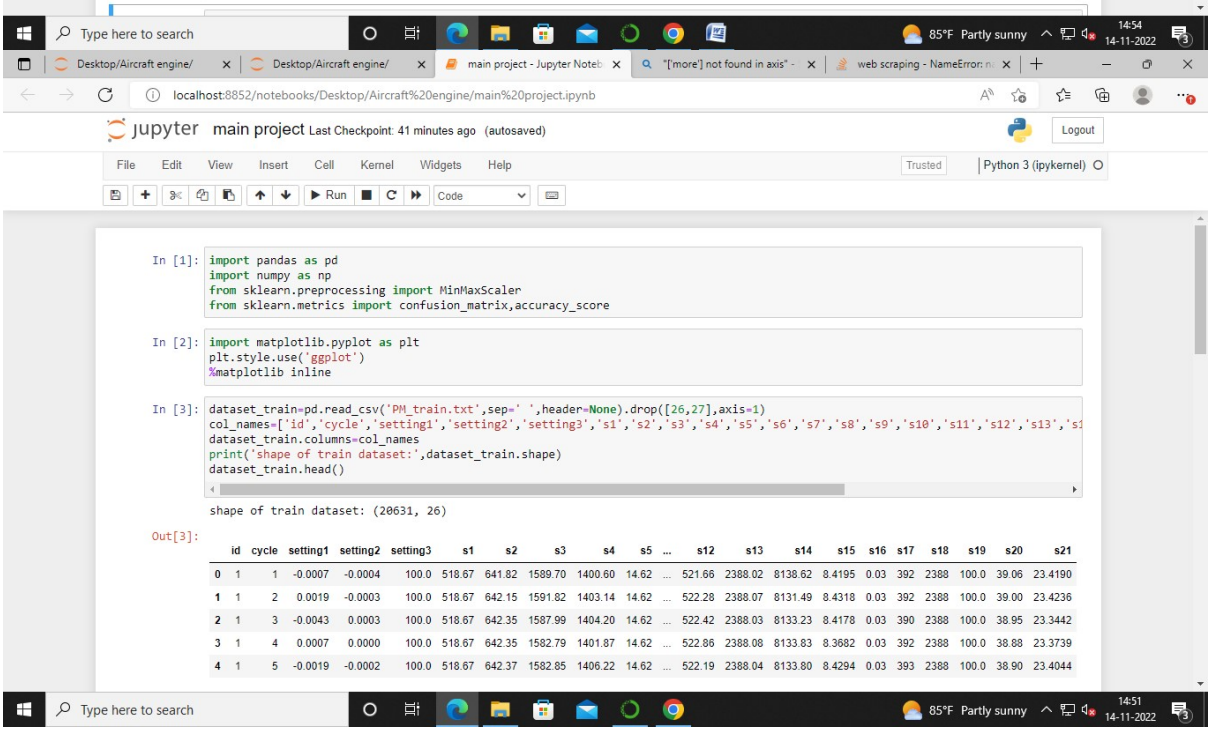
	id	cycle	setting1	setting2	setting3	s1	s2	s3	s4	s5	...	s13	s14	s15	s16	s17	s18	s19	s20	s21	ttf
0	1	1	-0.0007	-0.0004	100.0	518.67	641.82	1589.70	1400.60	14.62	...	2388.02	8138.62	8.4195	0.03	392	2388	100.0	39.06	23.4190	191
1	1	2	0.0019	-0.0003	100.0	518.67	642.15	1591.82	1403.14	14.62	...	2388.07	8131.49	8.4318	0.03	392	2388	100.0	39.00	23.4236	190
2	1	3	-0.0043	0.0003	100.0	518.67	642.35	1587.99	1404.20	14.62	...	2388.03	8133.23	8.4178	0.03	390	2388	100.0	38.95	23.3442	189
3	1	4	0.0007	0.0000	100.0	518.67	642.35	1582.79	1401.87	14.62	...	2388.08	8133.83	8.3682	0.03	392	2388	100.0	38.88	23.3739	188
4	1	5	-0.0019	-0.0002	100.0	518.67	642.37	1582.85	1406.22	14.62	...	2388.04	8133.80	8.4294	0.03	393	2388	100.0	38.90	23.4044	187

5 rows × 27 columns

In [16]:
```
x_train=df_train.iloc[:,:-1].values
y_train=df_train.iloc[:,-1:].values
```

In [ ]:
```

```



In [1]:
```
import pandas as pd
import numpy as np
from sklearn.preprocessing import MinMaxScaler
from sklearn.metrics import confusion_matrix,accuracy_score
```

In [2]:
```
import matplotlib.pyplot as plt
plt.style.use('ggplot')
%matplotlib inline
```

In [3]:
```
dataset_train=pd.read_csv('PM_train.txt',sep=' ',header=None).drop([26,27],axis=1)
col_names=['id','cycle','setting1','setting2','setting3','s1','s2','s3','s4','s5','s6','s7','s8','s9','s10','s11','s12','s13','s1
dataset_train.columns=col_names
print('shape of train dataset:',dataset_train.shape)
dataset_train.head()
```

```
shape of train dataset: (20631, 26)
```

Out[3]:

	id	cycle	setting1	setting2	setting3	s1	s2	s3	s4	s5	...	s12	s13	s14	s15	s16	s17	s18	s19	s20	s21
0	1	1	-0.0007	-0.0004	100.0	518.67	641.82	1589.70	1400.60	14.62	...	521.66	2388.02	8138.62	8.4195	0.03	392	2388	100.0	39.06	23.4190
1	1	2	0.0019	-0.0003	100.0	518.67	642.15	1591.82	1403.14	14.62	...	522.28	2388.07	8131.49	8.4318	0.03	392	2388	100.0	39.00	23.4236
2	1	3	-0.0043	0.0003	100.0	518.67	642.35	1587.99	1404.20	14.62	...	522.42	2388.03	8133.23	8.4178	0.03	390	2388	100.0	38.95	23.3442
3	1	4	0.0007	0.0000	100.0	518.67	642.35	1582.79	1401.87	14.62	...	522.86	2388.08	8133.83	8.3682	0.03	392	2388	100.0	38.88	23.3739
4	1	5	-0.0019	-0.0002	100.0	518.67	642.37	1582.85	1406.22	14.62	...	522.19	2388.04	8133.80	8.4294	0.03	393	2388	100.0	38.90	23.4044