EMERGING METHODS FOR EARLY DETECTION OF FOREST FIRES PROJECT DEVELOPMENT PHASE

SPRINT 4

Date	12.11.2022
Team ID	PNT2022TMID18112
Project Name	Emerging Methods For Early Detection Of Forest Fires
Team Leader	Varsha V
Team Members	Sanjev Srinivas C Sree Varshan Babu P Srimathi M

In[4]: importmatplotlib.pyplotasplt importnumpyasnpimportpandas aspdimportseabornassns import from sklearn import metrics from sklearn.metrics classification_report,confusion_matrix

In[5]: importwarningswarnings_filterwarnings(action="ignore") %matplotlibinlinesns_set_style('darkgrid') pd_set_option("display_max_rows",1000) pd_set_option("display.max_columns",1000)

fires=pd_read_csv(r"C:\Users\dhine\Downloads\forestfires.csv\forestfires.csv") In[6]: #show the first15 instance of datase tfires_head (15)

Ou t[6]:		XYmo	onth	day	FFMC	DMC	DC		ISItemp	RHwi	indraina	area	
	0	75	mar	fri	86.2	26.2	94.3	5.1	8.2	51	6.7	0.0	0.0
	1	7 4	oct	tue	90.6	35.4	669.1	6.7	18.0	33	0.9	0.0	0.0
	2	74	oct	sat	90.6	43.7	686.9	6.7	14.6	33	1.3	0.0	0.0
	3	8 6	mar	fri	91.7	33.3	77.5	9.0	8.3	97	4.0	0.2	0.0
	4	86	mar	sun	89.3	51.3	102.2	9.6	11.4	99	1.8	0.0	0.0
	5	8 6	aug	sun	92.3	85.3	488.0	14.7	22.2	29	5.4	0.0	0.0
	6	86	aug	mon	92.3	88.9	495.6	8.5	24.1	27	3.1	0.0	0.0
	7	8 6	aug	mon	91.5	145.4	608.2	10.7	8.0	86	2.2	0.0	0.0
	8	86	sep	tue	91.0	129.5	692.6	7.0	13.1	63	5.4	0.0	0.0
	9	7 5	sep	sat	92.5	88.0	698.6	7.1	22.8	40	4.0	0.0	0.0
	10 7	5	sep	sat	92.5	88.0	698.6	7.1	17.8	51	7.2	0.0	0.0
	11	7 5	sep	sat	92.8	73.2	713.0	22.6	19.3	38	4.0	0.0	0.0
	12 6	5	aug	fri	63.5	70.8	665.3	0.8	17.0	72	6.7	0.0	0.0
	13	6 5	sep	mon	90.9	126.5	686.5	7.0	21.3	42	2.2	0.0	0.0
0.0	146 0.0	5	S	ер	wed	92.91	33.3699	9.69.2	20	6.4	21	4.5	

fires_shape In[7]: (517,13) Out[7]: In[8]: #showt he last10 instances ofdatasetf ires_tail(1) Out[8]: X month day FFMC DMC DC ISI temp RHwind rain area 181.1 671.2 14.3 502 4 tue 96.1 20.7 69 4.9 0.4 0.00 aug 503 2 139.4 689.1 20.0 29.2 30 0.0 1.95 aug wed 4.9 3 94.5 139.4 689.1 20.0 28.9 29 0.0 49.59 504 4 4.9 wed aug 505 1 2 91.0 163.2 744.4 10.1 26.7 35 0.0 5.80 1.8 aug thu 7.1 2 91.0 166.9 752.6 73 0.00 506 1 18.5 8.5 0.0 aug fri 507 2 166.9 752.6 7.1 25.9 41 0.0 0.00 91.0 3.6 aug fri 508 1 2 166.9 752.6 7.1 25.9 41 0.0 0.00 aug fri 91.0 3.6 509 5 4 aug fri 91.0 166.9 752.6 7.1 21.1 71 7.6 1.4 2.17 510 166.9 752.6 5 fri 91.0 7.1 18.2 62 5.4 0.0 0.43 aug 511 8 81.6 56.7 665.6 1.9 27.8 35 2.7 0.0 0.00 aug sun 512 4 3 56.7 665.6 1.9 27.8 32 0.0 6.44 aug sun 81.6 2.7 513 2 81.6 56.7 665.6 1.9 21.9 71 5.8 0.0 54.29 aug sun

In[9]: fires_info()

514 7

515 1

516**6**

3

<class'pandas.core.frame.DataFrame'>
RangeIndex:517entries,0to516Data
columns(total13columns):
 #ColumnNon-NullCountDtype

aug

aug

nov

sun

sat

tue

0 X517non-nullint64

1 Y 517non-nullint64

2 month517non-nullobject

3 day517non-nullobject

4 FFMC517non-nullfloat645DMC517non-nullfloat64

81.6

94.4

79.5

56.7 665.6

146.0 614.7

3.0106.7

1.9

11.3

1.1

21.2

25.6

11.8 31

70

42

6.7

4.0

4.5

0.0

0.0

0.0

11.16

0.00

0.00

6 DC517non-nullfloat64

- 7 ISI517non-nullfloat64
- 8 temp517non-nullfloat64
- 9 RH517non-nullint64
- 10 wind517non-nullfloat64

- 11 rain517non-nullfloat64
- 12 area517non-nullfloat64dtypes:float64(8),int64(3),object(2)memoryusage:52.6+ KB

In[10]:
Out[10]:
 count

#generatedescriptivestatisticsofeachattributefires_describe()_T

X 517.0 4.669246 2.313778 1.0 3.0 4.00 7.00 9.00 Y 517.0 4.299807 1.229900 2.0 4.0 4.00 5.00 9.00 FFMC 517.0 90.644681 5.52011118.7 90.2 91.60 92.90 96.20

DMC 517.0 110.872340 64.046482 1.1 68.6 108.30 142.40 291.30DC 517.0 547.940039 248.066192 7.9 437.7 664.20 713.90 860.60

fires['area']_values[fires['area']_values>0]=1 #renam ing theareaa ttribute toou tputforc learunders tand ing fires=fires_rename(columns={'area':'output'})fires_head(10) ISI 517.0 9.021663 4.559477 0.0 6.5 8.40 10.80 56.10 517.0 18.889168 temp 5.806625 2.2 15.5 19.30 22.80 33.30 517.0 44.288201 16.31746915.0 33.0 42.00 53.00 100.00 517.0 4.017602 1.791653 0.4 2.7 4.00 4.90 9.40 wind 517.0 0.021663 0.295959 0.0 0.0 0.00 0.00 6.40 rain 517.0 12.847292 63.655818 0.0 0.0 0.52 6.57 1090.84 area

In[11]:

 $\label{eq:continuity} \mbox{Out} \mbox{\tt [11]:} \qquad \mbox{\tt XYmonth} \qquad \mbox{\tt dayFFMCDMC} \qquad \mbox{\tt DC} \qquad \mbox{\tt ISItempRHwindrainoutput}$

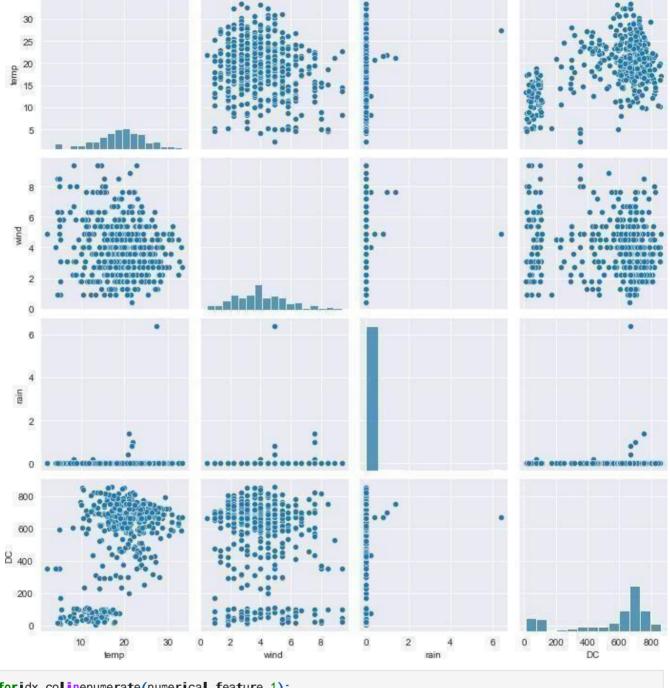
0	7	5	mar	86.2	26.2	94.3	5.1	8.2	51	6.7	0.0	0.0
1	7	4	friocttue	90.6	35.4 60	69.1	6.7	18.0	33	0.9	0.0	0.0
		4	octsat	90.6	43.7 6	36.9	6.7	14.6	33	1.3	0.0	0.0
2	7	6	marfrimar	91.7	33.3	77.5	9.0	8.3	97	4.0	0.2	0.0
3	8	6	sun	89.3	51.3 10	02.2	9.6	11.4	99	1.8	0.0	0.0
4	8	6	augsun	92.3	85.3 48	38.0 14 .	7	22.2	29	5.4	0.0	0.0
		6	aug mon aug monsep tue	92.3	88.9 49	95.6	8.5	24.1	27	3.1	0.0	0.0
5	8	6	sepsat	91.5 14	45.4 608	3.2 10.7		8.0	86	2.2	0.0	0.0
6	8	6		91.0 12	29.5 692	2.6	7.0	13.1	63	5.4	0.0	0.0
7	8	5		92.5	88.0 6	98.6	7.1	22.8	40	4.0	0.0	0.0

```
In[12]:
          fires_corr()
Out[12]:
   X
                         Υ
                                 FFMC
                                         DMC
                                                    DC
                                                              ISI
                                                                       temp
                                                                                 RH
                                                                                           wind
                     1.000000 0.539548 -0.021039 -0.048384 -0.085916
               X
                                                                   0.006210 -0.051258
                                                                                      0.085223 0.018798 0.065
                    0.539548 1.000000 0.046308 0.007782 -0.101178 -0.024488 -0.024103 0.062221 -0.020341 0.033
            FFMC -0.021039 -0.046308 1.000000 0.382619 0.330512
                                                                  0.531805 0.431532 -0.300995 -0.028485 0.056
            DMC -0.048384 0.007782 0.382619 1.000000 0.682192 0.305128 0.469594 0.073795 -0.105342 0.074
              DC -0.085916 -0.101178 0.330512 0.682192 1.000000
                                                                   0.229154 0.496208 -0.039192 -0.203466 0.035
                   0.006210 -0.024488 0.531805 0.305128 0.229154
                                                                   1.000000 0.394287 -0.132517 0.106826 0.067
            temp -0.051258 -0.024103 0.431532 0.469594 0.496208
                                                                   0.394287 1.000000 -0.527390 -0.227116 0.069
                   0.085223  0.062221  0.300995  0.073795  -0.039192
                                                                  -0.132517 -0.527390 1.000000 0.069410 0.099
              RH
                  0.018798-0.020341-0.028485 -0.105342 -0.203466
                                                                   0.106826 -0.227116 0.069410
                                                                                               1.000000 0.061
            wind
                  0.065387 0.033234 0.056702 0.074790 0.035861
                                                                   0.067668 0.069491 0.099751
                                                                                                0.061119 1.000
             rain
                  0.062491 0.056892 0.073823 0.062672 0.096724
                                                                   0.035663
                                                                             0.076047-0.035587
                                                                                                  0.0557020.025
          output
```

```
In[15]: numerical_feature=fires_describe(include=["int","float"])_columns

#Printitin/isttype..
print(list(numerical_feature))

['X','Y','FFMC','DMC','DC','ISI','temp','RH','wind','rain','output']
```



1 LX\LIC







1 0

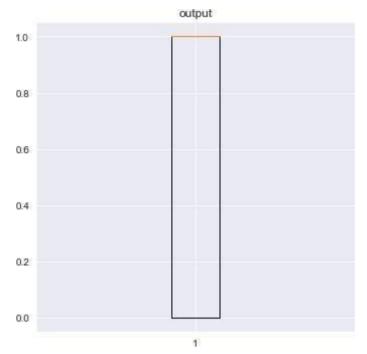
RI-J

wind

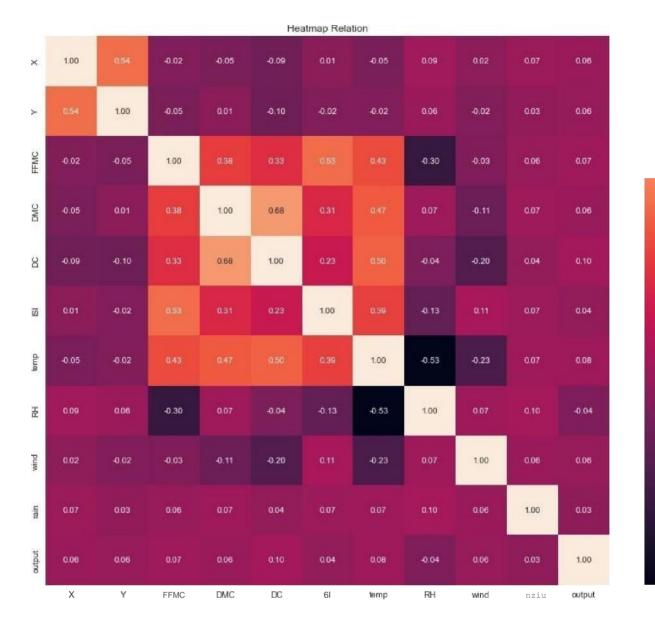


Temp





```
In[18]: plt_figure(figsize=(15, 12)) plt_title("Heatmap Relation")
sns_heatmap(fires[numerical_feature]_corr(),annot=True,fmt='.2f');
```



—1.D

-DB

- 0.6

- 0.4

- 0.2

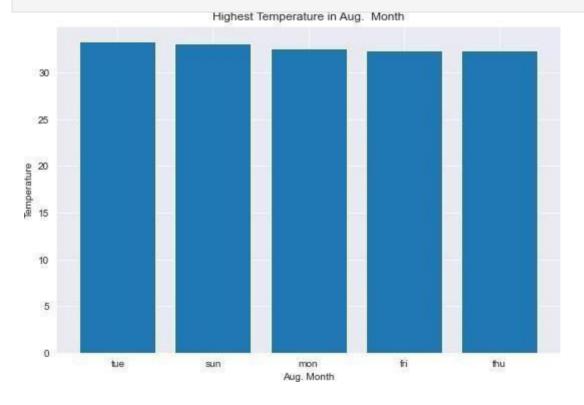
- 0.0

- -0.2

- -0.4

```
In[19]: highest_rain=fires_sort_values(by='rain',ascending=False)[['month','day','rain']]_head()
highest_rain
```

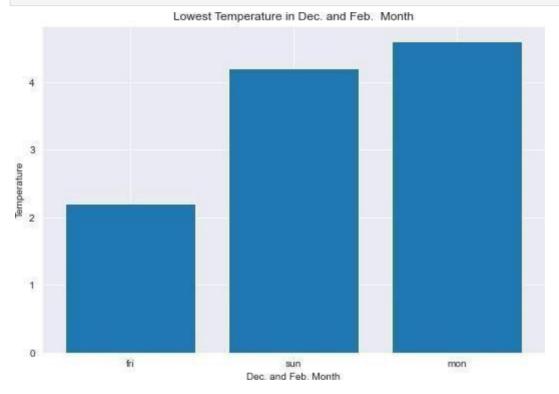
```
Out[19]:
                 monthdayrain
           499
                   aug tue
                              6.4
           509
                   aug
                         fri
                              1.4
           243
                   aug sun
                              1.0
           500
                              0.8
                   aug tue
           501
                              0.8
                   aug tue
```



```
In[21]: lowest_temp=fires_sort_values(by='temp',ascending=True)[['month','day','temp']]_head()
    plt_figure(figsize=(9,6))
    plt_title("LowestTemperatureinDec.andFeb_Month")

plt_bar(lowest_temp['day'],lowest_temp['temp'])

plt_xlabel("Day")
    plt_xlabel("Dec.andFeb_Month")
    plt_ylabel("Temperature")plt_show()
```



In[22]:

fires

X	′	month	day	FFMCD	мс	DC	ISI	temp		RHwin	drainou	utput
0 7	5	mar	fri	86.2	26.2	94.3	5.1	8.2	51	6.7	0.0	0.0
1 7	4	oct	tue	90.6	35.4	669.1	6.7	18.0	33	0.9	0.0	0.0
27	4	oct	sat	90.6	43.7	686.9	6.7	14.6	33	1.3	0.0	0.0
3 8	6	mar	fri	91.7	33.3	77.5	9.0	8.3	97	4.0	0.2	0.0
48	6	mar	sun	89.3	51.3	102.2	9.6	11.4	99	1.8	0.0	0.0
5 8	6	aug	sun	92.3	85.3	488.0	14.7	22.2	29	5.4	0.0	0.0
6 8	6	aug	mon	92.3	88.9	495.6	8.5	24.1	27	3.1	0.0	0.0
7 8	6	aug	mon	91.5	145.4	608.2	10.7	8.0	86	2.2	0.0	0.0
8 8	6	sep	tue	91.0	129.5	692.6	7.0	13.1	63	5.4	0.0	0.0
9 7	5	sep	sat	92.5	88.0	698.6	7.1	22.8	40	4.0	0.0	0.0
107	5	sep	sat	92.5	88.0	698.6	7.1	17.8	51	7.2	0.0	0.0
11 7	5	sep	sat	92.8	73.2	713.0	22.6	19.3	38	4.0	0.0	0.0
126	5	aug	fri	63.5	70.8	665.3	0.8	17.0	72	6.7	0.0	0.0
13 6	5	sep	mon	90.9	126.5	686.5	7.0	21.3	42	2.2	0.0	0.0
146	5	sep	wed	92.9	133.3	699.6	9.2	26.4	21	4.5	0.0	0.0
15 6	5	sep	fri	93.3	141.2	713.9	13.9	22.9	44	5.4	0.0	0.0
16 5	5	mar	sat	91.7	35.8	80.8	7.8	15.1	27	5.4	0.0	0.0
17 8	5	oct	mon	84.9	32.8	664.2	3.0	16.7	47	4.9	0.0	0.0
18 6	4	mar	wed	89.2	27.9	70.8	6.3	15.9	35	4.0	0.0	0.0
19 6	4	apr	sat	86.3	27.4	97.1	5.1	9.3	44	4.5	0.0	0.0
206	4	sep	tue	91.0	129.5	692.6	7.0	18.3	40	2.7	0.0	0.0
21 5	4	sep	mon	91.8	78.5	724.3	9.2	19.1	38	2.7	0.0	0.0
227	4	jun	sun	94.3	96.3	200.0	56.1	21.0	44	4.5	0.0	0.0
23 7	4	aug	sat	90.2	110.9	537.4	6.2	19.5	43	5.8	0.0	0.0
247	4	aug	sat	93.5	139.4	594.2	20.3	23.7	32	5.8	0.0	0.0
25 7	4	aug	sun	91.4	142.4	601.4	10.6	16.3	60	5.4	0.0	0.0
26 7	4	sep	fri	92.4	117.9	668.0	12.2	19.0	34	5.8	0.0	0.0
27 7	4	sep	mon	90.9	126.5	686.5	7.0	19.4	48	1.3	0.0	0.0

Ou**t[**22**]**:

28 6	3	sep	sat	93.4	145.4	721.4	8.1	30.2	24	2.7	0.0	0.0
29 6	3	sep	sun	93.5	149.3	728.6	8.1	22.8	39	3.6	0.0	0.0
30 6	3	sep	fri	94.3	85.1	692.3	15.9	25.4	24	3.6	0.0	0.0
31 6	3	sep	mon	88.6	91.8	709.9	7.1	11.2	78	7.6	0.0	0.0
32 6	3	sep	fri	88.6	69.7	706.8	5.8	20.6	37	1.8	0.0	0.0
33 6	3	sep	sun	91.7	75.6	718.3	7.8	17.7	39	3.6	0.0	0.0
34 6	3	sep	mon	91.8	78.5	724.3	9.2	21.2	32	2.7	0.0	0.0
35 6	3	sep	tue	90.3	80.7	730.2	6.3	18.2	62	4.5	0.0	0.0
36 6	3	oct	tue	90.6	35.4	669.1	6.7	21.7	24	4.5		0.0
х	Υ	month	day	FFMC	DMC	DC	ISI	temp	RH	wind	rain	output
37 7	4	oct	fri	90.0	41.5	682.6	8.7	11.3	60	5.4	0.0	0.0
38 7	3	oct	sat	90.6	43.7	686.9	6.7	17.8	27	4.0	0.0	0.0
39 4	4	mar	tue	88.1	25.7	67.6	3.8	14.1	43	2.7	0.0	0.0
40 4	4	jul	tue	79.5	60.6	366.7	1.5	23.3	37	3.1	0.0	0.0
41 4	4	aug	sat	90.2	96.9	624.2	8.9	18.4	42	6.7	0.0	0.0
42 4	4	aug	tue	94.8	108.3	647.1	17.0	16.6	54	5.4	0.0	0.0
43 4	4	sep	sat	92.5	88.0	698.6	7.1	19.6	48	2.7	0.0	0.0
44 4	4	sep	wed	90.1	82.9	735.7	6.2	12.9	74	4.9	0.0	0.0
45 5	6	sep	wed	94.3	85.1	692.3	15.9	25.9	24	4.0	0.0	0.0
46 5	6	sep	mon	90.9	126.5	686.5	7.0	14.7	70	3.6	0.0	0.0
47 6	6	jul	mon	94.2	62.3	442.9	11.0	23.0	36	3.1	0.0	0.0
48 4	4	mar	mon	87.2	23.9	64.7	4.1	11.8	35	1.8	0.0	0.0
49 4	4	mar	mon	87.6	52.2	103.8	5.0	11.0	46	5.8	0.0	0.0
50 4	4	sep	thu	92.9	137.0	706.4	9.2	20.8	17	1.3	0.0	0.0
51 4	3	aug	sun	90.2	99.6	631.2	6.3	21.5	34	2.2	0.0	0.0
52 4	3	aug	wed	92.1	111.2	654.1	9.6	20.4	42	4.9	0.0	0.0
53 4	3	aug	wed	92.1	111.2	654.1	9.6	20.4	42	4.9	0.0	0.0
54 4	3	aug	thu	91.7	114.3	661.3	6.3	17.6	45	3.6	0.0	0.0
55 4	3	sep	thu	92.9	137.0	706.4	9.2	27.7	24	2.2	0.0	0.0
56 4	3	sep	tue	90.3	80.7	730.2	6.3	17.8	63	4.9	0.0	0.0
57 4	3	oct	sun	92.6	46.5	691.8	8.8	13.8	50	2.7	0.0	0.0

58	3 2	2	feb	mon	84.0	9.3	34.0	2.1	13.9	40	5.4	0.0	0.0
59	9 2	2	feb	fri	86.6	13.2	43.0	5.3	12.3	51	0.9	0.0	0.0
60	2	2	mar	sun	89.3	51.3	102.2	9.6	11.5	39	5.8	0.0	0.0
61	1 2	2	mar	sun	89.3	51.3	102.2	9.6	5.5	59	6.3	0.0	0.0
62	2 2	2	aug	thu	93.0	75.3	466.6	7.7	18.8	35	4.9	0.0	0.0
63	3 2	2	aug	sun	90.2	99.6	631.2	6.3	20.8	33	2.7	0.0	0.0
64	1 2	2	aug	mon	91.1	103.2	638.8	5.8	23.1	31	3.1	0.0	0.0
65	5 2	2	aug	thu	91.7	114.3	661.3	6.3	18.6	44	4.5	0.0	0.0
66	6 2	2	sep	fri	92.4	117.9	668.0	12.2	23.0	37	4.5	0.0	0.0
67	7 2	2	sep	fri	92.4	117.9	668.0	12.2	19.6	33	5.4	0.0	0.0
68	3 2	2	sep	fri	92.4	117.9	668.0	12.2	19.6	33	6.3	0.0	0.0
69	9 4	5	mar	fri	91.7	33.3	77.5	9.0	17.2	26	4.5	0.0	0.0
70	4	5	mar	fri	91.2	48.3	97.8	12.5	15.8	27	7.6	0.0	0.0
71	1 4	5	sep	fri	94.3	85.1	692.3	15.9	17.7	37	3.6	0.0	0.0
72	2 5	4	mar	fri	91.7	33.3	77.5	9.0	15.6	25	6.3	0.0	0.0
73	3 5	4	aug	tue	88.8	147.3	614.5	9.0	17.3	43	4.5	0.0	0.0
74		54	sep	fri	93.3	141.2	713.9	13.9	27.6	30	1.3	0.0	0.0
75		99	feb	thu	84.2	6.8	26.6	7.7	6.7	79	3.1	0.0	0.0
76		99	feb	fri	86.6	13.2	43.0	5.3	15.7	43	3.1	0.0	0.0
77		13	mar	mon	87.6	52.2	103.8	5.0	8.3	72	3.1	0.0	0.0
78		12	aug	fri	90.1	108.0	529.8	12.5	14.7	66	2.7	0.0	0.0
79		12	aug	tue	91.0	121.2	561.6	7.0	21.6	19	6.7	0.0	0.0
80		12	aug	sun	91.4	142.4	601.4	10.6	19.5	39	6.3	0.0	0.0
81		12	aug	sun	90.2	99.6	631.2	6.3	17.9	44	2.2	0.0	0.0
82		12	aug	tue	94.8	108.3	647.1	17.0	18.6	51	4.5	0.0	0.0
83		12	aug	wed	92.1	111.2	654.1	9.6	16.6	47	0.9	0.0	0.0
84		12	aug	thu	91.7	114.3	661.3	6.3	20.2	45	3.6	0.0	0.0
85		12	sep	thu	92.9	137.0	706.4	9.2	21.5	15	0.9	0.0	0.0
86		12	sep	thu	92.9	137.0	706.4	9.2	25.4	27	2.2	0.0	0.0
87		12	sep	thu	92.9	137.0	706.4	9.2	22.4	34	2.2	0.0	0.0
88		12	sep	sun	93.5	149.3	728.6	8.1	25.3	36	3.6	0.0	0.0
89		65	mar	sat	91.7	35.8	80.8	7.8	17.4	25	4.9	0.0	0.0
90		65	aug	sat	90.2	96.9	624.2	8.9	14.7	59	5.8	0.0	0.0
91		86	mar	fri	91.7	35.8	80.8	7.8	17.4	24	5.4	0.0	0.0
92		86	aug	sun	92.3	85.3	488.0	14.7	20.8	32	6.3	0.0	0.0

93	86	aug	sun	91.4	142.4	601.4	10.6	18.2	43	4.9	0.0	0.0
94	86	aug	mon	91.1	103.2	638.8	5.8	23.4	22	2.7	0.0	0.0
95	44	sep	sun	89.7	90.0	704.4	4.8	17.8	64	1.3	0.0	0.0
96	34	feb	sat	83.9	8.0	30.2	2.6	12.7	48	1.8	0.0	0.0
97	34	mar	sat	69.0	2.4	15.5	0.7	17.4	24	5.4	0.0	0.0
98	34	aug	sun	91.4	142.4	601.4	10.6	11.6	87	4.5	0.0	0.0
99	34	aug	sun	91.4	142.4	601.4	10.6	19.8	39	5.4	0.0	0.0
100 3	4	aug	sun	91.4	142.4	601.4	10.6	19.8	39	5.4	0.0	0.0
101 3	4	aug	tue	88.8	147.3	614.5	9.0	14.4	66	5.4	0.0	0.0
102 2	4	aug	tue	94.8	108.3	647.1	17.0	20.1	40	4.0	0.0	0.0
103 2	4	sep	sat	92.5	121.1	674.4	8.6	24.1	29	4.5	0.0	0.0
104 2	4	jan	sat	82.1	3.7	9.3	2.9	5.3	78	3.1	0.0	0.0
105 4	5	mar	fri	85.9	19.5	57.3	2.8	12.7	52	6.3	0.0	0.0
106 4	5	mar	thu	91.4	30.7	74.3	7.5	18.2	29	3.1	0.0	0.0
107 4	5	aug	sun	90.2	99.6	631.2	6.3	21.4	33	3.1	0.0	0.0
108 4	5	sep	sat	92.5	88.0	698.6	7.1	20.3	45	3.1	0.0	0.0
109 4	5	sep	mon	88.6	91.8	709.9	7.1	17.4	56	5.4	0.0	0.0
110 4	4	mar	fri	85.9	19.5	57.3	2.8	13.7	43	5.8		0.0

									RH w	ind rai	n outp	ut
111 3	4	mar	fri	91.7	33.3	77.5	9.0	18.8	18	4.5	0.0	0.0
112 3	4	sep	sun	89.7	90.0	704.4	4.8	22.8	39	3.6	0.0	0.0
113 3	4	sep	mon	91.8	78.5	724.3	9.2	18.9	35	2.7	0.0	0.0
114 3	4	mar	tue	88.1	25.7	67.6	3.8	15.8	27	7.6	0.0	0.0
115 3	5	mar	tue	88.1	25.7	67.6	3.8	15.5	27	6.3	0.0	0.0
116 3	4	mar	sat	91.7	35.8	80.8	7.8	11.6	30	6.3	0.0	0.0
117 3	4	mar	sat	91.7	35.8	80.8	7.8	15.2	27	4.9	0.0	0.0
118 3	4	mar	mon	90.1	39.7	86.6	6.2	10.6	30	4.0	0.0	0.0
119 3	4	aug	thu	93.0	75.3	466.6	7.7	19.6	36	3.1	0.0	0.0
120 3	4	aug	mon	91.5	145.4	608.2	10.7	10.3	74	2.2	0.0	0.0
121 3	4	aug	mon	91.5	145.4	608.2	10.7	17.1	43	5.4	0.0	0.0
122 3	4	sep	sun	92.4	124.1	680.7	8.5	22.5	42	5.4	0.0	0.0
123 3	4	sep	tue	84.4	73.4	671.9	3.2	17.9	45	3.1	0.0	0.0
124 3	4	sep	fri	94.3	85.1	692.3	15.9	19.8	50	5.4	0.0	0.0
125 3	4	oct	sun	92.6	46.5	691.8	8.8	20.6	24	5.4	0.0	0.0
126 3	5	mar	mon	87.6		103.8	5.0	9.0	49	2.2	0.0	0.0
127 3	5	sep	fri	93.5	149.3	728.6	8.1	17.2	43	3.1	0.0	0.0
128 3	5	oct	wed	91.4		673.8	5.2	15.9	46	3.6	0.0	0.0
129 2	5	oct	sun	92.6	16 E	691.8	8.8	15.4	35	0.9	0.0	0.0
130 4	6	feb	sat	68.2	21.5	87.2	0.8	15.4	40	2.7	0.0	0.0
131 4	6	mar	mon	87.2	23.9	64.7	4.1	14.0	39	3.1	0.0	0.0
132 4	6	mar	sun	89.3	51.3	102.2	9.6	10.6	46	4.9	0.0	0.0
_												
133 4 134 3	6 5	sep mar	thu	93.7 88.1	80.9 25.7	685.2 67.6	17.9 3.8	17.6 14.9	42 38	3.1 2.7	0.0	0.0
135 3	5	aug	sat			594.2			52	5.8	0.0	0.0
136 3	6	sep	sun		124.1		8.5	17.2	58	1.3	0.0	0.0
130 3	J	ach	Juli	32.4	144.1	000.7	0.0	11.2	36	1.3	0.0	0.0
137 3	6	•	mon		126.5		7.0	15.6	66	3.1	0.0	0.0
138 9	9	jul	tue	85.8	48.3	313.4	3.9	18.0	42	2.7	0.0	1.0
139 1	4	sep	tue	91.0	129.5	692.6	7.0	21.7	38	2.2	0.0	1.0

Х	Y mo	onth	day	FFMC D	МС	DC	ISIt	emp				
140 2	5	sep	mon	90.9	126.5	686.5	7.0	21.9	39	1.8	0.0	1.0
							40.0					
141 1 142 8	2 6	aug	wed	95.5	99.9	513.3	13.2 12.5	23.3 21.2	31 51	4.5 8.9	0.0	1.0 1.0
142 0	•	aug	ırı	90.1	100.0	529.0	12.5	21.2	31	0.9	0.0	1.0
143 1	2	jul	sat	90.0	51.3	296.3	8.7	16.6	53	5.4	0.0	1.0
144 2	5	aug	wed	95.5	99.9	513.3	13.2	23.8	32	5.4	0.0	1.0
145 6	5	aug	thu	95.2	131.7	578.8	10.4	27.4	22	4.0	0.0	1.0
146 5	4	mar	mon	90.1	39.7	86.6	6.2	13.2	40	5.4	0.0	1.0
			_		1							
147 8 148 2	3	sep aug	tue	84.4 94.8		671.9 647.1	3.2 17.0	24.2 17.4	28 43	3.6 6.7	0.0	1.0 1.0
149 8	6	sep	thu	93.7		685.2	17.9	23.7	25	4.5	0.0	1.0
150 6	5	jun	fri	92.5	56.4	433.3	7.1	23.2	39	5.4	0.0	1.0
151 9	9	jul	sun	90.1		355.2	7.2	24.8	29	2.2	0.0	1.0
152 3	4	jul	sat	90.1		424.1	6.2	24.6	43	1.8	0.0	1.0
153 5	4	sep	fri	94.3	85.1	692.3	15.9	20.1	47	4.9	0.0	1.0
154 1	5	sep	sat	93.4		721.4	8.1	29.6	27	2.7	0.0	1.0
155 7	4	aug	sun	94.8		647.1	17.0	16.4	47	1.3	0.0	1.0
156 2	4	sep	sat	93.4		721.4	8.1	28.6	27	2.2	0.0	1.0
157 2	2	aug	wed	92.1		654.1	9.6	18.4	45	3.6	0.0	1.0
157 2	4	•		92.1		654.1	9.6	20.5	35	4.0	0.0	
		aug	wed					19.0				1.0
159 7	4	sep	fri	92.4		668.0	12.2		34	5.8	0.0	1.0
160 7	4	mar	mon	90.1	39.7	86.6	6.2	16.1	29	3.1	0.0	1.0
161 6	4	aug	thu			578.8	10.4	20.3	41	4.0	0.0	1.0
162 6	3	mar	sat	90.6		100.4	7.8	15.2	31	8.5	0.0	1.0
163 8	6	sep	sat		121.1		8.6	17.8	56	1.8	0.0	1.0
164 8	5	sep	sun	89.7		704.4	4.8	17.8	67	2.2	0.0	1.0
165 6	5	mar	thu	84.9	18.2	55.0	3.0	5.3	70	4.5	0.0	1.0
166 6	5	aug	wed		111.2		9.6	16.6	47	0.9	0.0	1.0
167 6	5	aug	wed	96.0	127.1	570.5	16.5	23.4	33	4.5	0.0	1.0
168 6	5	mar	fri	91.2	48.3	97.8	12.5	14.6	26	9.4	0.0	1.0
169 8	6	aug	thu	95.2	131.7	578.8	10.4	20.7	45	2.2	0.0	1.0
170 5	4	sep	wed	92.9	133.3	699.6	9.2	21.9	35	1.8	0.0	1.0
171 8	6	aug	wed	85.6	90.4	609.6	6.6	17.4	50	4.0	0.0	1.0
172 7	4	aug	sun	91.4	142.4	601.4	10.6	20.1	39	5.4	0.0	1.0
173 4	4	sep	mon	90.9	126.5	686.5	7.0	17.7	39	2.2	0.0	1.0

174 1	4	aug	sat	90.2	96.9	624.2	8.9	14.2	53	1.8	0.0	1.0
175 1	4	aug	sat	90.2	96.9	624.2	8.9	20.3	39	4.9	0.0	1.0
176 6	5	apr	thu	81.5	9.1	55.2	2.7	5.8	54	5.8	0.0	1.0
177 2	5	aug	sun	90.2	99.6	631.2	6.3	19.2	44	2.7	0.0	1.0
178 2	5	sep	wed	90.1	82.9	735.7	6.2	18.3	45	2.2	0.0	1.0
179 8	6	aug	tue	88.8	147.3	614.5	9.0	14.4	66	5.4	0.0	1.0
180 1	3	sep	sun	92.4	124.1	680.7	8.5	23.9	32	6.7	0.0	1.0
181 8	6	oct	mon	84.9	32.8	664.2	3.0	19.1	32	4.0	0.0	1.0
182 5	4	feb	sun	86.8	15.6	48.3	3.9	12.4	53	2.2	0.0	1.0
183 7	4	oct	mon	91.7	48.5	696.1	11.1	16.8	45	4.5	0.0	1.0
184	8 4.9	6 1.0	au RH wii	•	fri output	93.9	135.7	586	5.7 1	15.1	20.8	34
185 2	5	sep	tue	91.0	129.5	692.6	7.0	17.6	46	3.1	0.0	1.0
186 8	6	mar	sun	89.3	51.3	102.2	9.6	11.5	39	5.8	0.0	1.0
187 1	5	sep	mon	90.9	126.5	686.5	7.0	21.0	42	2.2	0.0	1.0
188 6	4	mar	sat	90.8	41.9	89.4	7.9	13.3	42	0.9	0.0	1.0
189 7	4	mar	sun	90.7	44.0	92.4	5.5	11.5	60	4.0	0.0	1.0
190 6	5	mar	fri	91.2	48.3	97.8	12.5	11.7	33	4.0	0.0	1.0
191 2	5	aug	thu	95.2	131.7	578.8	10.4	24.2	28	2.7	0.0	1.0
192 2	2	aug	tue	94.8	108.3	647.1	17.0	24.6	22	4.5	0.0	1.0
193 4	5	sep	wed	92.9	133.3	699.6	9.2	24.3	25	4.0	0.0	1.0
194 2	2	aug	tue			647.1		24.6	22	4.5	0.0	1.0
195 2	5	aug	fri	93.9	135.7	586.7	15.1	23.5	36	5.4	0.0	1.0
196 6	5	apr	thu	81.5		55.2		5.8	54	5.8	0.0	1.0
407.4	_		4.	00.0	407.0	700.4		04.5	4=			4.0
197 4 198 3	5 4	sep sep	thu			706.4 692.6	9.2 7.0	21.5 13.9	15 59	0.9 6.3	0.0	1.0 1.0
1300	7	ЗСР	tuc	3110	12310	00210	710	1010		0.0	0.0	
199 2	4	sep	mon	63.5		665.3	0.8	22.6	38	3.6	0.0	1.0
200 1	5	sep	tue	91.0	129.5	692.6	7.0	21.6	33	2.2	0.0	1.0
201 6	5	mar	sun	90.1	37.6	83.7	7.2	12.4	54	3.6	0.0	1.0
202 7	4	feb	sun	83.9	8.7	32.1	2.1	8.8	68	2.2	0.0	1.0
203 8	6	oct	wed	91.4	37.9	673.8	5.2	20.2	37	2.7	0.0	1.0
204 5	6	mar	sat	90.6	50.1	100.4	7.8	15.1	64	4.0	0.0	1.0

)	〈 Y mor	nth	day F	FMC D	OMC	DC	ISIte	emp				
205 4	5	sep	thu	92.9	137.0	706.4	9.2	22.1	34	1.8	0.0	1.0
206 2	2	aug	sat	93.5	139.4	594.2	20.3	22.9	31	7.2	0.0	1.0
207 7	5	sep	tue	91.0	129.5	692.6	7.0	20.7	37	2.2	0.0	1.0
208 6	5	sep	fri	92.4	117.9	668.0	12.2	19.6	33	6.3	0.0	1.0
209 8	3	sep	thu	93.7	80.9	685.2	17.9	23.2	26	4.9	0.0	1.0
210 4	4	oct	sat	90.6	43.7	686.9	6.7	18.4	25	3.1	0.0	1.0
211 7	4	aug	sat	93.5	139.4	594.2	20.3	5.1	96	5.8	0.0	1.0
212 7	4	sep	fri	94.3	85.1	692.3	15.9	20.1	47	4.9	0.0	1.0
213 7	3	marı	non	87.6	52.2	103.8	5.0	11.0	46	5.8	0.0	1.0
214 4	4	mar	sat	91.7	35.8	80.8	7.8	17.0	27	4.9	0.0	1.0
215 4	4	mar	sat	91.7	35.8	80.8	7.8	17.0	27	4.9	0.0	1.0
216 4	4	sep	sun	92.4	124.1	680.7	8.5	16.9	60	1.3	0.0	1.0
217 1	3	sep	mon	88.6	91.8	709.9	7.1	12.4	73	6.3	0.0	1.0
218 4	5	sep	wed	92.9	133.3	699.6	9.2	19.4	19	1.3	0.0	1.0
219 6	5	marr		90.1	39.7	86.6	6.2	15.2	27	3.1	0.0	1.0
220 8	6	aug	sun	90.2	99.6	631.2	6.3	16.2	59	3.1	0.0	1.0
221 3	4	sep	fri	93.3	141.2	713.9	13.9	18.6	49	3.6	0.0	1.0

				,									
222	4	3	maı	mon	87.6	52.2	103.8	5.0	11.0	46	5.8	0.0	1.0
223	2	2	jul	fri	88.3	150.3	309.9	6.8	13.4	79	3.6	0.0	1.0
224	7	4	sep	wed	90.1	82.9	735.7	6.2	15.4	57	4.5	0.0	1.0
225	4	4	sep	sun	93.5	149.3	728.6	8.1	22.9	39	4.9	0.0	1.0
227	8	6	aug	sat	92.2	81.8	480.8	11.9	20.1	34	4.5	0.0	1.0
226	7	5	oct	mon	91.7	48.5	696.1	11.1	16.1	44	4.0	0.0	1.0
228	4	6	sep	sun	93.5	149.3	728.6	8.1	28.3	26	3.1	0.0	1.0
229	8	6	aug	sat	92.2	81.8	480.8	11.9	16.4	43	4.0	0.0	1.0
230	4	4	sep	wed	92.9	133.3	699.6	9.2	26.4	21	4.5	0.0	1.0
231	1	5	sep	sun	93.5	149.3	728.6	8.1	27.8	27	3.1	0.0	1.0
233	9	4	sep	tue	84.4	73.4	671.9	3.2	24.3	36	3.1	0.0	1.0
232 (6	4	sep	tue	91.0	129.5	692.6	7.0	18.7	43	2.7	0.0	1.0
234	4	5	sep	sat	92.5	121.1	674.4	8.6	17.7	25	3.1	0.0	1.0
235	8	6	aug	sun	91.4	142.4	601.4	10.6	19.6	41	5.8	0.0	1.0
237	1	2	sep	tue	91.0	129.5	692.6	7.0	18.8	40	2.2	0.0	1.0
236 2	2	2	sep	sat	92.5	121.1	674.4	8.6	18.2	46	1.8	0.0	1.0
238 (6	5	sep	sat	92.5	121.1	674.4	8.6	25.1	27	4.0	0.0	1.0
239	7	5	apr	sun	81.9	3.0	7.9	3.5	13.4	75	1.8	0.0	0.0
241	4	4	apr	fri	83.0	23.3	85.3	2.3	16.7	20	3.1	0.0	0.0
240 (6	3	apr	wed	88.0	17.2	43.5	3.8	15.2	51	2.7	0.0	0.0
242	2	4	aug	sun	94.2	122.3	589.9	12.9	15.4	66	4.0	0.0	1.0
243	7	4	aug	sun	91.8	175.1	700.7	13.8	21.9	73	7.6	1.0	0.0
245	3	4	aug	sun	91.8	175.1	700.7	13.8	26.8	38	6.3	0.0	1.0
244 2	2	4	aug	sun	91.8	175.1	700.7	13.8	22.4	54	7.6	0.0	1.0
246	5	4	aug	sun	91.8	175.1	700.7	13.8	25.7	39	5.4	0.0	1.0
247	2	4	aug	wed	92.2	91.6	503.6	9.6	20.7	70	2.2	0.0	1.0
248 8	В	6	aug	wed	93.1	157.3	666.7	13.5	28.7	28	2.7	0.0	0.0

X Y month

day FFMC DMC

DC ISI temp

RH wind rain output

sat 0.0

Х	Y mon	th	day Fl	FMC D	МС	DC	ISI	temp	R	H wind	rain	output
249 3	4	aug	wed	93.1	157.3	666.7	13.5	21.7	40	0.4	0.0	1.0
250 8	5	aug	wed	93.1	157.3	666.7	13.5	26.8	25	3.1	0.0	1.0
251 8	5	aug	wed	93.1	157.3	666.7	13.5	24.0	36	3.1	0.0	1.0
252 6	5	aug	wed	93.1	157.3	666.7	13.5	22.1	37	3.6	0.0	1.0
253 7	4	aug	thu	91.9	109.2	565.5	8.0	21.4	38	2.7	0.0	1.0
254 6	3	aug	thu	91.6	138.1	621.7	6.3	18.9	41	3.1	0.0	1.0
255 2	5	aug	thu	87.5	77.0	694.8	5.0	22.3	46	4.0	0.0	0.0
256 8	6	aug	sat	94.2	117.2	581.1	11.0	23.9	41	2.2	0.0	1.0
257 4	3	aug	sat	94.2	117.2	581.1	11.0	21.4	44	2.7	0.0	1.0
258 3	4	aug		91.8	170.9	692.31	3.7	20.6	59	0.9		0.0
259 7	4	aug	sat	91.8	170.9	692.3	13.7	23.7	40	1.8	0.0	1.0
260 2	4	aug	mon	93.6	97.9	542.0	14.4	28.3	32	4.0	0.0	1.0
261 3	4	aug	fri	91.6	112.4	573.0	8.9	11.2	84	7.6	0.0	1.0
262 2	4	aug	fri	91.6	112.4	573.0	8.9	21.4	42	3.1	0.0	1.0
263 6	3	aug	fri	91.1	141.1	629.1	7.1	19.3	39	3.6	0.0	1.0
264 4	4	aug	fri	94.3	167.6	684.4	13.0	21.8	53	3.1	0.0	1.0
265 4	4	aug	tue	93.7	102.2	550.3	14.6	22.1	54	7.6	0.0	1.0
266 6	5	aug	tue	94.3	131.7	607.1	22.7	19.4	55	4.0	0.0	1.0
267 2	2	aug	tue	92.1	152.6	658.2	14.3	23.7	24	3.1	0.0	0.0
268 3	4	aug	tue	92.1	152.6	658.2	14.3	21.0	32	3.1	0.0	0.0
269 4	4	aug	tue	92.1	152.6	658.2	14.3	19.1	53	2.7	0.0	1.0
270 2	2	aug	tue	92.1	152.6	658.2	14.3	21.8	56	3.1	0.0	1.0
271 8	6	aug	tue	92.1	152.6	658.2	14.3	20.1	58	4.5	0.0	1.0
272 2	5	aug	tue	92.1	152.6	658.2	14.3	20.2	47	4.0	0.0	1.0
273 4	6	dec	sun	84.4	27.2	353.5	6.8	4.8	57	8.5	0.0	1.0
274 8	6	dec	wed	84.0	27.8	354.6	5.3	5.1	61	8.0	0.0	1.0
275 4	6	dec	thu	84.6	26.4	352.0	2.0	5.1	61	4.9	0.0	1.0

	ΧY	month	1	day FF	MC DI	ИС	DC	ISI t	emp	F	RH wind	rain	output
276 4	ı	4	dec	mon	85.4	25.4	349.7	2.6	4.6	21	8.5	0.0	1.0
277	3	4	dec	mon	85.4	25.4	349.7	2.6	4.6	21	8.5	0.0	1.0
279 4	1	4	dec	mon	85.4	25.4	349.7	2.6	4.6	21	8.5	0.0	1.0
278 4	ı	4	dec	mon	85.4	25.4	349.7	2.6	4.6	21	8.5	0.0	1.0
280 4		6	dec	fri	84.7	26.7	352.6	4.1	2.2	59	4.9	0.0	1.0
281	3	5	dec	tue	85.4	25.4	349.7	2.6	5.1	24	8.5	0.0	1.0
282 6	5	3	feb	sun	84.9	27.5	353.5	3.4	4.2	51	4.0	0.0	0.0
283 3	3	4	feb	wed	86.9	6.6	18.7	3.2	8.8	35	3.1	0.0	1.0
284 5	i	4	feb	fri	85.2	4.9	15.8	6.3	7.5	46	8.0	0.0	1.0
285 2	2	5	jul	sun	93.9	169.7	411.8	12.3	23.4	40	6.3	0.0	0.0
287 7	7	4	jul	sat	91.6	104.2	474.9	9.0	22.1	49	2.7	0.0	0.0
286 7	,	6	jul	wed	91.2	183.1	437.7	12.5	12.6	90	7.6	0.2	0.0
288 7	•	4	jul	sat	91.6	104.2	474.9	9.0	24.2	32	1.8	0.0	0.0
289 7	7	4	jul	sat	91.6	104.2	474.9	9.0	24.3	30	1.8	0.0	0.0
291 9	•	4	jul	sat	91.6	104.2	474.9	9.0	25.3	39	0.9	0.0	1.0
290 2	2	5	jul	sat		104.2		9.0	18.7	53	1.8	0.0	0.0
292 4	•	5	jul	fri	91.6	100.2	466.3	6.3	22.9	40	1.3	0.0	1.0
293 7	7	6	jul	tue	93.1	180.4	430.8	11.0	26.9	28	5.4	0.0	1.0
294 8	3	6	jul	tue	92.3	88.8	440.9	8.5	17.1	67	3.6	0.0	1.0
295 7	7	5	jun	sun	93.1	180.4	430.8	11.0	22.2	48	1.3	0.0	0.0
2960	6	4	jun	sun	90.4	89.5	290.8	6.4	14.3	46	1.8	0.0	1.0
297 8	3	6	jun	sun	90.4	89.5	290.8	6.4	15.4	45	2.2	0.0	0.0
298 8	3	6	jun	wed	91.2	147.8	377.2	12.7	19.6	43	4.9	0.0	0.0
299 (3	5	jun	sat	53.4	71.0	233.8	0.4	10.6	90	2.7	0.0	0.0
301 €	3	5	jun	mon	90.4	93.3	298.1	7.5	19.1	39	5.4	0.0	1.0
300 6		5	jun	mon		93.3		7.5	20.7	25	4.9	0.0	0.0
302 3	3	6	jun	fri	91.1	94.1	232.1	7.1	19.2	38	4.5	0.0	0.0

sat 0.0 1.0

304 6 5 may sat 85.1 28.0 113.8 3.5 11.3 94 4.9 0.0 0.0 305 1 4 sep sun 89.6 84.1 714.3 5.7 19.0 52 2.2 0.0 0.0 306 7 4 sep sun 89.6 84.1 714.3 5.7 17.1 53 5.4 0.0 1.0 307 3 4 sep sun 92.4 105.8 758.1 9.9 16.0 45 1.8 0.0 0.0 308 2 4 sep sun 92.4 105.8 758.1 9.9 16.0 45 1.8 0.0 0.0 309 2 4 sep sun 92.4 105.8 758.1 9.9 24.9 27 2.2 0.0 0.0 310 7 4 sep sun 92.4 105.8 758.1 9.9 25.3 27 2.7 0.0 0.0 311 6 3 sep sun 92.4 105.8 758.1 9.9 24.8 28 1.8 0.0 1.0 312 2 4 sep sun 92.4 105.8 758.1 9.9 24.8 28 1.8 0.0 1.0 313 6 5 sep wed 92.6 115.4 777.1 8.8 24.3 27 4.9 0.0 0.0 313 6 5 sep wed 92.6 115.4 777.1 8.8 24.3 27 4.9 0.0 0.0 314 4 sep wed 91.2 134.7 817.5 7.2 18.5 30 2.7 0.0 0.0 315 3 4 sep wed 91.2 134.7 817.5 7.2 18.5 30 2.7 0.0 0.0 316 4 sep thu 92.4 96.2 739.4 8.6 18.6 24 5.8 0.0 0.0 317 4 sep thu 92.8 119.0 783.5 7.5 21.6 27 2.2 0.0 0.0 318 6 5 sep thu 92.8 119.0 783.5 7.5 18.9 34 7.2 0.0 1.0 321 1 4 sep thu 92.8 119.0 783.5 7.5 18.9 34 7.2 0.0 1.0 321 1 4 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 322 6 5 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 323 3 5 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 323 5 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 323 5 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 323 5 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 323 5 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 325 1 4 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 326 5 sep thu 88.1 53.3 726.9 5.4 13.7 56 1.8 0.0 1.0 326 5 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 326 5 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 326 5 sep sat 92.2 102.3 751.5 8.4 24.1 27 3.1 0.0 0.0 326 5 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 326 5 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 326 5 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 0.0 326 5 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 0.0 326 5 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 0.0 326 5 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 0.0 326 5 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 0.0 326 5 sep sat 9	х	Y mo	nth	day F	FMC D	МС	DC	ISI t	emp	R	H wind	rainou	tput
305 1 4 sep sun 89.6 84.1 714.3 5.7 19.0 52 2.2 0.0 0.0 306 7 4 sep sun 89.6 84.1 714.3 5.7 17.1 53 5.4 0.0 1.0 307 3 4 sep sun 89.6 84.1 714.3 5.7 23.8 35 3.6 0.0 1.0 308 2 4 sep sun 92.4 105.8 758.1 9.9 16.0 45 1.8 0.0 0.0 309 2 4 sep sun 92.4 105.8 758.1 9.9 24.9 27 2.2 0.0 0.0 310 7 4 sep sun 92.4 105.8 758.1 9.9 24.9 27 2.2 0.0 0.0 311 6 3 sep sun 92.4 105.8 758.1 9.9 24.8 28 1.8 0.0 1.0 312 2 4 sep sun 92.4 105.8 758.1 9.9 24.8 28 1.8 0.0 1.0 313 6 5 sep wed 92.6 115.4 777.1 8.8 24.3 27 4.9 0.0 0.0 314 4 sep wed 92.6 115.4 777.1 8.8 19.7 41 1.8 0.0 1.0 315 3 4 sep wed 92.6 115.4 777.1 8.8 19.7 41 1.8 0.0 1.0 316 5 sep thu 92.4 96.2 739.4 8.6 18.6 24 5.8 0.0 0.0 317 4 sep thu 92.4 96.2 739.4 8.6 19.2 24 4.9 0.0 1.0 318 6 5 sep thu 92.8 119.0 783.5 7.5 21.6 27 2.2 0.0 0.0 319 5 4 sep thu 92.8 119.0 783.5 7.5 21.6 28 6.3 0.0 1.0 322 6 5 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 322 6 5 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 323 3 5 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 323 3 5 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 322 6 5 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 323 3 5 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 322 6 5 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 322 6 5 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 323 3 5 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 325 1 4 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 326 5 4 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 326 5 4 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 326 5 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 326 5 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 326 5 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 326 5 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 0.0 326 5 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 0.0 326 5 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 0.0 326 5 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 0.0 326 5 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 0.0 326 5 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 0.0	303 3	6	jun	fri	91.1	94.1	232.1	7.1	19.2	38	4.5	0.0	0.0
306 7 4 sep sun 89.6 84.1 714.3 5.7 17.1 53 5.4 0.0 1.0 307 3 4 sep sun 89.6 84.1 714.3 5.7 23.8 35 3.6 0.0 1.0 308 2 4 sep sun 92.4 105.8 758.1 9.9 16.0 45 1.8 0.0 0.0 309 2 4 sep sun 92.4 105.8 758.1 9.9 24.9 27 2.2 0.0 0.0 310 7 4 sep sun 92.4 105.8 758.1 9.9 25.3 27 2.7 0.0 0.0 311 6 3 sep sun 92.4 105.8 758.1 9.9 24.8 28 1.8 0.0 1.0 312 2 4 sep sun 50.4 46.2 706.6 0.4 12.2 78 6.3 0.0 0.0 313 6 5 sep wed 92.6 115.4 777.1 8.8 24.3 27 4.9 0.0 0.0 314 4 sep wed 92.6 115.4 777.1 8.8 19.7 41 1.8 0.0 1.0 315 3 4 sep wed 91.2 134.7 817.5 7.2 18.5 30 2.7 0.0 0.0 317 4 sep thu 92.4 96.2 739.4 8.6 18.6 24 5.8 0.0 0.0 317 4 sep thu 92.4 96.2 739.4 8.6 19.2 24 4.9 0.0 1.0 318 6 5 sep thu 92.8 119.0 783.5 7.5 21.6 28 6.3 0.0 1.0 320 6 3 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 321 1 4 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 321 1 4 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 322 6 5 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 323 3 5 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 321 1 4 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 322 6 5 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 323 3 5 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 323 3 5 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 324 6 5 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 326 5 4 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 326 5 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 326 5 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 326 5 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 326 5 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 326 5 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 326 5 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 326 5 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 0.0 326 5 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 0.0 326 5 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 0.0 326 5 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 0.0 326 5 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 0.0 326 5 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 0.0 326 5	304 6	5	may	sat	85.1	28.0	113.8	3.5	11.3	94	4.9	0.0	0.0
307 3 4 sep sun 89.6 84.1 714.3 5.7 23.8 35 3.6 0.0 1.0 308 2 4 sep sun 92.4 105.8 758.1 9.9 16.0 45 1.8 0.0 0.0 309 2 4 sep sun 92.4 105.8 758.1 9.9 24.9 27 2.2 0.0 0.0 310 7 4 sep sun 92.4 105.8 758.1 9.9 25.3 27 2.7 0.0 0.0 311 6 3 sep sun 92.4 105.8 758.1 9.9 24.8 28 1.8 0.0 1.0 312 2 4 sep sun 50.4 46.2 706.6 0.4 12.2 78 6.3 0.0 0.0 313 6 5 sep wed 92.6 115.4 777.1 8.8 24.3 27 4.9 0.0 0.0 314 4 sep wed 92.6 115.4 777.1 8.8 19.7 41 1.8 0.0 1.0 315 3 4 sep wed 91.2 134.7 817.5 7.2 18.5 30 2.7 0.0 0.0 316 4 5 sep thu 92.4 96.2 739.4 8.6 18.6 24 5.8 0.0 0.0 317 4 sep thu 92.4 96.2 739.4 8.6 18.6 24 5.8 0.0 0.0 318 6 5 sep thu 92.8 119.0 783.5 7.5 21.6 27 2.2 0.0 0.0 319 5 4 sep thu 92.8 119.0 783.5 7.5 21.6 27 2.2 0.0 0.0 320 6 3 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 322 6 5 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 322 6 5 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 323 3 5 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 322 6 5 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 323 3 5 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 323 3 5 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 322 6 5 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 323 3 5 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 323 3 5 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 325 1 4 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 325 1 4 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 325 1 4 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 326 5 4 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 326 5 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 0.0 326 5 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 0.0 326 5 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 0.0 326 5 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 0.0 326 5 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 0.0 326 5 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 0.0 326 5 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 0.0 326 5 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 0.0 326 5 sep sat 92.2 102.3 751.5 8.4 24.2 27	305 1	4	sep	sun	89.6	84.1	714.3	5.7	19.0	52	2.2	0.0	0.0
308 2 4 sep sun 92.4 105.8 758.1 9.9 16.0 45 1.8 0.0 0.0 309 2 4 sep sun 92.4 105.8 758.1 9.9 24.9 27 2.2 0.0 0.0 310 7 4 sep sun 92.4 105.8 758.1 9.9 25.3 27 2.7 0.0 0.0 311 6 3 sep sun 92.4 105.8 758.1 9.9 24.8 28 1.8 0.0 1.0 312 2 4 sep sun 50.4 46.2 706.6 0.4 12.2 78 6.3 0.0 0.0 313 6 5 sep wed 92.6 115.4 777.1 8.8 24.3 27 4.9 0.0 0.0 314 4 4 sep wed 92.6 115.4 777.1 8.8 19.7 41 1.8 0.0 1.0 315 3 4 sep wed 91.2 134.7 817.5 7.2 18.5 30 2.7 0.0 0.0 316 4 5 sep thu 92.4 96.2 739.4 8.6 18.6 24 5.8 0.0 0.0 317 4 sep thu 92.4 96.2 739.4 8.6 19.2 24 4.9 0.0 1.0 318 6 5 sep thu 92.8 119.0 783.5 7.5 21.6 27 2.2 0.0 0.0 319 5 4 sep thu 92.8 119.0 783.5 7.5 18.9 34 7.2 0.0 1.0 320 6 3 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 321 1 4 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 322 6 5 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 323 3 5 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 322 6 5 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 322 6 5 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 325 1 4 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 325 1 4 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 325 1 4 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 325 6 5 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 326 5 4 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 326 6 5 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 326 6 5 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0	306 7	4	sep	sun	89.6	84.1	714.3	5.7	17.1	53	5.4	0.0	1.0
309 2 4 sep sun 92.4 105.8 758.1 9.9 24.9 27 2.2 0.0 0.0 310 7 4 sep sun 92.4 105.8 758.1 9.9 25.3 27 2.7 0.0 0.0 311 6 3 sep sun 92.4 105.8 758.1 9.9 24.8 28 1.8 0.0 1.0 312 2 4 sep sun 50.4 46.2 706.6 0.4 12.2 78 6.3 0.0 0.0 313 6 5 sep wed 92.6 115.4 777.1 8.8 24.3 27 4.9 0.0 0.0 314 4 sep wed 92.6 115.4 777.1 8.8 19.7 41 1.8 0.0 1.0 315 3 4 sep wed 91.2 134.7 817.5 7.2 18.5 30 2.7 0.0 0.0 316 4 5 sep thu 92.4 96.2 739.4 8.6 18.6 24 5.8 0.0 0.0 317 4 4 sep thu 92.4 96.2 739.4 8.6 18.6 24 5.8 0.0 0.0 317 4 4 sep thu 92.8 119.0 783.5 7.5 21.6 27 2.2 0.0 0.0 319 5 4 sep thu 92.8 119.0 783.5 7.5 21.6 27 2.2 0.0 1.0 320 6 3 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 321 1 4 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 322 6 5 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 323 3 5 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 322 6 5 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 322 6 5 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 323 3 5 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 325 1 4 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 325 1 4 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 325 6 5 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 326 5 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 326 5 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0	307 3	4	sep	sun	89.6	84.1	714.3	5.7	23.8	35	3.6	0.0	1.0
310 7 4 sep sun 92.4 105.8 758.1 9.9 25.3 27 2.7 0.0 0.0 311 6 3 sep sun 92.4 105.8 758.1 9.9 24.8 28 1.8 0.0 1.0 312 2 4 sep sun 50.4 46.2 706.6 0.4 12.2 78 6.3 0.0 0.0 313 6 5 sep wed 92.6 115.4 777.1 8.8 24.3 27 4.9 0.0 0.0 314 4 4 sep wed 92.6 115.4 777.1 8.8 19.7 41 1.8 0.0 1.0 315 3 4 sep wed 91.2 134.7 817.5 7.2 18.5 30 2.7 0.0 0.0 316 4 5 sep thu 92.4 96.2 739.4 8.6 18.6 24 5.8 0.0 0.0 317 4 4 sep thu 92.4 96.2 739.4 8.6 19.2 24 4.9 0.0 1.0 318 6 5 sep thu 92.8 119.0 783.5 7.5 21.6 27 2.2 0.0 0.0 319 5 4 sep thu 92.8 119.0 783.5 7.5 21.6 28 6.3 0.0 1.0 320 6 3 sep thu 92.8 119.0 783.5 7.5 18.9 34 7.2 0.0 1.0 321 1 4 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 322 6 5 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 323 3 5 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 322 6 5 sep thu 92.8 139.0 783.5 7.5 16.8 28 4.0 0.0 1.0 322 6 5 sep thu 92.8 139.0 783.5 7.5 16.8 28 4.0 0.0 1.0 322 6 5 sep thu 92.8 139.0 783.5 7.5 16.8 28 4.0 0.0 1.0 325 1 4 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 325 1 4 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 325 6 5 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 326 5 4 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 326 5 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0	308 2	4	sep	sun	92.4	105.8	758.1	9.9	16.0	45	1.8	0.0	0.0
311 6 3 sep sun 92.4 105.8 758.1 9.9 24.8 28 1.8 0.0 1.0 312 2 4 sep sun 50.4 46.2 706.6 0.4 12.2 78 6.3 0.0 0.0 313 6 5 sep wed 92.6 115.4 777.1 8.8 24.3 27 4.9 0.0 0.0 314 4 4 sep wed 92.6 115.4 777.1 8.8 19.7 41 1.8 0.0 1.0 315 3 4 sep wed 91.2 134.7 817.5 7.2 18.5 30 2.7 0.0 0.0 316 4 5 sep thu 92.4 96.2 739.4 8.6 18.6 24 5.8 0.0 0.0 317 4 4 sep thu 92.4 96.2 739.4 8.6 19.2 24 4.9 0.0 1.0 318 6 5 sep thu 92.8 119.0 783.5 7.5 21.6 27 2.2 0.0 0.0 319 5 4 sep thu 92.8 119.0 783.5 7.5 21.6 28 6.3 0.0 1.0 320 6 3 sep thu 92.8 119.0 783.5 7.5 18.9 34 7.2 0.0 1.0 321 1 4 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 322 6 5 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 323 3 5 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 325 1 4 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 325 1 4 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 326 5 4 sep sat 92.2 102.3 751.5 8.4 24.1 27 3.1 0.0 0.0 327 6 5 sep sat 92.2 102.3 751.5 8.4 24.1 27 3.1 0.0 0.0 327 6 5 sep sat 92.2 102.3 751.5 8.4 24.1 27 3.1 0.0 0.0 327 6 5 sep sat 92.2 102.3 751.5 8.4 24.1 27 3.1 0.0 0.0 327 6 5 sep sat 92.2 102.3 751.5 8.4 24.1 27 3.1 0.0 0.0	309 2	4	sep	sun	92.4	105.8	758.1	9.9	24.9	27	2.2	0.0	0.0
312 2 4 sep sun 50.4 46.2 706.6 0.4 12.2 78 6.3 0.0 0.0 313 6 5 sep wed 92.6 115.4 777.1 8.8 24.3 27 4.9 0.0 0.0 314 4 4 sep wed 92.6 115.4 777.1 8.8 19.7 41 1.8 0.0 1.0 315 3 4 sep wed 91.2 134.7 817.5 7.2 18.5 30 2.7 0.0 0.0 316 4 5 sep thu 92.4 96.2 739.4 8.6 18.6 24 5.8 0.0 0.0 317 4 4 sep thu 92.4 96.2 739.4 8.6 19.2 24 4.9 0.0 1.0 318 6 5 sep thu 92.8 119.0 783.5 7.5 21.6 27 2.2 0.0 0.0 319 5 4 sep thu 92.8 119.0 783.5 7.5 21.6 28 6.3 0.0 1.0 320 6 3 sep thu 92.8 119.0 783.5 7.5 18.9 34 7.2 0.0 1.0 321 1 4 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 322 6 5 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 322 6 5 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 322 6 5 sep thu 90.7 136.9 822.8 6.8 12.9 39 2.7 0.0 1.0 324 6 5 sep thu 88.1 53.3 726.9 5.4 13.7 56 1.8 0.0 1.0 325 1 4 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 326 5 4 sep sat 92.2 102.3 751.5 8.4 24.1 27 3.1 0.0 0.0 327 6 5 sep sat 92.2 102.3 751.5 8.4 24.1 27 3.1 0.0 0.0 327 6 5 sep sat 92.2 102.3 751.5 8.4 21.2 32 2.2 0.0 0.0 328 6 5 sep sat 92.2 102.3 751.5 8.4 21.2 32 2.2 0.0 0.0	310 7	4	sep	sun	92.4	105.8	758.1	9.9	25.3	27	2.7	0.0	0.0
313 6 5 sep wed 92.6 115.4 777.1 8.8 24.3 27 4.9 0.0 0.0 314 4 4 sep wed 92.6 115.4 777.1 8.8 19.7 41 1.8 0.0 1.0 315 3 4 sep wed 91.2 134.7 817.5 7.2 18.5 30 2.7 0.0 0.0 316 4 5 sep thu 92.4 96.2 739.4 8.6 18.6 24 5.8 0.0 0.0 317 4 4 sep thu 92.4 96.2 739.4 8.6 19.2 24 4.9 0.0 1.0 318 6 5 sep thu 92.8 119.0 783.5 7.5 21.6 27 2.2 0.0 0.0 319 5 4 sep thu 92.8 119.0 783.5 7.5 21.6 28 6.3 0.0 1.0 320 6 3 sep thu 92.8 119.0 783.5 7.5 18.9 34 7.2 0.0 1.0 321 1 4 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 322 6 5 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 323 3 5 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 324 6 5 sep thu 88.1 53.3 726.9 5.4 13.7 56 1.8 0.0 1.0 325 1 4 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 326 5 4 sep sat 92.2 102.3 751.5 8.4 24.1 27 3.1 0.0 0.0 327 6 5 sep sat 92.2 102.3 751.5 8.4 21.2 32 2.2 0.0 0.0 328 6 5 sep sat 92.2 102.3 751.5 8.4 21.2 32 2.2 0.0 0.0	311 6	3	sep	sun	92.4	105.8	758.1	9.9	24.8	28	1.8	0.0	1.0
314 4 4 sep wed 92.6 115.4 777.1 8.8 19.7 41 1.8 0.0 1.0 315 3 4 sep wed 91.2 134.7 817.5 7.2 18.5 30 2.7 0.0 0.0 316 4 5 sep thu 92.4 96.2 739.4 8.6 18.6 24 5.8 0.0 0.0 317 4 4 sep thu 92.4 96.2 739.4 8.6 19.2 24 4.9 0.0 1.0 318 6 5 sep thu 92.8 119.0 783.5 7.5 21.6 27 2.2 0.0 0.0 319 5 4 sep thu 92.8 119.0 783.5 7.5 21.6 28 6.3 0.0 1.0 320 6 3 sep thu 92.8 119.0 783.5 7.5 18.9 34 7.2 0.0 1.0 321 1 4 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 322 6 5 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 323 3 5 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 324 6 5 sep thu 90.7 136.9 822.8 6.8 12.9 39 2.7 0.0 1.0 324 6 5 sep thu 88.1 53.3 726.9 5.4 13.7 56 1.8 0.0 1.0 325 1 4 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 326 5 4 sep sat 92.2 102.3 751.5 8.4 24.1 27 3.1 0.0 0.0 327 6 5 sep sat 92.2 102.3 751.5 8.4 24.1 27 3.1 0.0 0.0 327 6 5 sep sat 92.2 102.3 751.5 8.4 21.2 32 2.2 0.0 0.0 328 6 5 sep sat 92.2 102.3 751.5 8.4 21.2 32 2.2 0.0 0.0	312 2	4	sep	sun	50.4	46.2	706.6	0.4	12.2	78	6.3	0.0	0.0
315 3 4 sep wed 91.2 134.7 817.5 7.2 18.5 30 2.7 0.0 0.0 316 4 5 sep thu 92.4 96.2 739.4 8.6 18.6 24 5.8 0.0 0.0 317 4 4 sep thu 92.4 96.2 739.4 8.6 19.2 24 4.9 0.0 1.0 318 6 5 sep thu 92.8 119.0 783.5 7.5 21.6 27 2.2 0.0 0.0 319 5 4 sep thu 92.8 119.0 783.5 7.5 21.6 28 6.3 0.0 1.0 320 6 3 sep thu 92.8 119.0 783.5 7.5 18.9 34 7.2 0.0 1.0 321 1 4 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 322 6 5 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 323 3 5 sep thu 90.7 136.9 822.8 6.8 12.9 39 2.7 0.0 1.0 324 6 5 sep thu 88.1 53.3 726.9 5.4 13.7 56 1.8 0.0 1.0 325 1 4 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 326 5 4 sep sat 92.2 102.3 751.5 8.4 24.1 27 3.1 0.0 0.0 327 6 5 sep sat 92.2 102.3 751.5 8.4 21.2 32 2.2 0.0 0.0 328 6 5 sep sat 92.2 102.3 751.5 8.4 21.2 32 2.2 0.0 0.0 328 6 5 sep sat 92.2 102.3 751.5 8.4 21.2 32 2.2 0.0 0.0	313 6	5	sep	wed	92.6	115.4	777.1	8.8	24.3	27	4.9	0.0	0.0
316 4 5 sep thu 92.4 96.2 739.4 8.6 18.6 24 5.8 0.0 0.0 317 4 4 sep thu 92.4 96.2 739.4 8.6 19.2 24 4.9 0.0 1.0 318 6 5 sep thu 92.8 119.0 783.5 7.5 21.6 27 2.2 0.0 0.0 319 5 4 sep thu 92.8 119.0 783.5 7.5 21.6 28 6.3 0.0 1.0 320 6 3 sep thu 92.8 119.0 783.5 7.5 18.9 34 7.2 0.0 1.0 321 1 4 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 322 6 5 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 323 3 5 sep thu 90.7 136.9 822.8 6.8 12.9 39 2.7 0.0 1.0 324 6 5 sep thu 88.1 53.3 726.9 5.4 13.7 56 1.8 0.0 1.0 325 1 4 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 326 5 4 sep sat 92.2 102.3 751.5 8.4 24.1 27 3.1 0.0 0.0 327 6 5 sep sat 92.2 102.3 751.5 8.4 21.2 32 2.2 0.0 0.0 328 6 5 sep sat 92.2 102.3 751.5 8.4 21.2 32 2.2 0.0 0.0 328 6 5 sep sat 92.2 102.3 751.5 8.4 21.2 32 2.2 0.0 0.0	314 4	4	sep	wed	92.6	115.4	777.1	8.8	19.7	41	1.8	0.0	1.0
317 4 4 sep thu 92.4 96.2 739.4 8.6 19.2 24 4.9 0.0 1.0 318 6 5 sep thu 92.8 119.0 783.5 7.5 21.6 27 2.2 0.0 0.0 319 5 4 sep thu 92.8 119.0 783.5 7.5 21.6 28 6.3 0.0 1.0 320 6 3 sep thu 92.8 119.0 783.5 7.5 18.9 34 7.2 0.0 1.0 321 1 4 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 322 6 5 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 323 3 5 sep thu 90.7 136.9 822.8 6.8 12.9 39 2.7 0.0 1.0 324 6 5 sep thu 88.1 53.3 726.9 5.4 13.7 56 1.8 0.0 1.0 325 1 4 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 326 5 4 sep sat 92.2 102.3 751.5 8.4 24.1 27 3.1 0.0 0.0 327 6 5 sep sat 92.2 102.3 751.5 8.4 21.2 32 2.2 0.0 0.0 328 6 5 sep sat 92.2 102.3 751.5 8.4 21.2 32 2.2 0.0 0.0	315 3	4	sep	wed	91.2	134.7	817.5	7.2	18.5	30	2.7	0.0	0.0
318 6 5 sep thu 92.8 119.0 783.5 7.5 21.6 27 2.2 0.0 0.0 319 5 4 sep thu 92.8 119.0 783.5 7.5 21.6 28 6.3 0.0 1.0 320 6 3 sep thu 92.8 119.0 783.5 7.5 18.9 34 7.2 0.0 1.0 321 1 4 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 322 6 5 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 323 3 5 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 324 6 5 sep thu 88.1 53.3 726.9 5.4 13.7 56 1.8 0.0 1.0 325 1 4 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 326 5 4 sep sat 92.2 102.3 751.5 8.4 24.1 27 3.1 0.0 0.0 327 6 5 sep sat 92.2 102.3 751.5 8.4 21.2 32 2.2 0.0 0.0 328 6 5 sep sat 92.2 102.3 751.5 8.4 21.2 32 2.2 0.0 0.0	316 4	5	sep	thu	92.4	96.2	739.4	8.6	18.6	24	5.8	0.0	0.0
319 5 4 sep thu 92.8 119.0 783.5 7.5 21.6 28 6.3 0.0 1.0 320 6 3 sep thu 92.8 119.0 783.5 7.5 18.9 34 7.2 0.0 1.0 321 1 4 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 322 6 5 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 323 3 5 sep thu 90.7 136.9 822.8 6.8 12.9 39 2.7 0.0 1.0 324 6 5 sep thu 88.1 53.3 726.9 5.4 13.7 56 1.8 0.0 1.0 325 1 4 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 326 5 4 sep sat 92.2 102.3 751.5 8.4 24.1 27 3.1 0.0 0.0 327 6 5 sep sat 92.2 102.3 751.5 8.4 21.2 32 2.2 0.0 0.0 328 6 5 sep sat 92.2 102.3 751.5 8.4 19.7 35 1.8 0.0 0.0	317 4	4	sep	thu	92.4	96.2	739.4	8.6	19.2	24	4.9	0.0	1.0
320 6 3 sep thu 92.8 119.0 783.5 7.5 18.9 34 7.2 0.0 1.0 321 1 4 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 322 6 5 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 323 3 5 sep thu 90.7 136.9 822.8 6.8 12.9 39 2.7 0.0 1.0 324 6 5 sep thu 88.1 53.3 726.9 5.4 13.7 56 1.8 0.0 1.0 325 1 4 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 326 5 4 sep sat 92.2 102.3 751.5 8.4 24.1 27 3.1 0.0 0.0 327 6 5 sep sat 92.2 102.3 751.5 8.4 21.2 32 2.2 0.0 0.0 328 6 5 sep sat 92.2 102.3 751.5 8.4 19.7 35 1.8 0.0 0.0	318 6	5	sep	thu	92.8	119.0	783.5	7.5	21.6	27	2.2	0.0	0.0
321 1 4 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 322 6 5 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 323 3 5 sep thu 90.7 136.9 822.8 6.8 12.9 39 2.7 0.0 1.0 324 6 5 sep thu 88.1 53.3 726.9 5.4 13.7 56 1.8 0.0 1.0 325 1 4 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 326 5 4 sep sat 92.2 102.3 751.5 8.4 24.1 27 3.1 0.0 0.0 327 6 5 sep sat 92.2 102.3 751.5 8.4 21.2 32 2.2 0.0 0.0 328 6 5 sep sat 92.2 102.3 751.5 8.4 19.7 35 1.8 0.0 0.0	319 5	4	sep	thu	92.8	119.0	783.5	7.5	21.6	28	6.3	0.0	1.0
322 6 5 sep thu 92.8 119.0 783.5 7.5 16.8 28 4.0 0.0 1.0 323 3 5 sep thu 90.7 136.9 822.8 6.8 12.9 39 2.7 0.0 1.0 324 6 5 sep thu 88.1 53.3 726.9 5.4 13.7 56 1.8 0.0 1.0 325 1 4 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 326 5 4 sep sat 92.2 102.3 751.5 8.4 24.1 27 3.1 0.0 0.0 327 6 5 sep sat 92.2 102.3 751.5 8.4 21.2 32 2.2 0.0 0.0 328 6 5 sep sat 92.2 102.3 751.5 8.4 19.7 35 1.8 0.0 0.0	320 6	3	sep	thu	92.8	119.0	783.5	7.5	18.9	34	7.2	0.0	1.0
323 3 5 sep thu 90.7 136.9 822.8 6.8 12.9 39 2.7 0.0 1.0 324 6 5 sep thu 88.1 53.3 726.9 5.4 13.7 56 1.8 0.0 1.0 325 1 4 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 326 5 4 sep sat 92.2 102.3 751.5 8.4 24.1 27 3.1 0.0 0.0 327 6 5 sep sat 92.2 102.3 751.5 8.4 21.2 32 2.2 0.0 0.0 328 6 5 sep sat 92.2 102.3 751.5 8.4 19.7 35 1.8 0.0 0.0	321 1	4	sep	thu	92.8	119.0	783.5	7.5	16.8	28	4.0	0.0	1.0
324 6 5 sep thu 88.1 53.3 726.9 5.4 13.7 56 1.8 0.0 1.0 325 1 4 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 326 5 4 sep sat 92.2 102.3 751.5 8.4 24.1 27 3.1 0.0 0.0 327 6 5 sep sat 92.2 102.3 751.5 8.4 21.2 32 2.2 0.0 0.0 328 6 5 sep sat 92.2 102.3 751.5 8.4 19.7 35 1.8 0.0 0.0	322 6	5	sep	thu	92.8	119.0	783.5	7.5	16.8	28	4.0	0.0	1.0
325 1 4 sep sat 92.2 102.3 751.5 8.4 24.2 27 3.1 0.0 0.0 326 5 4 sep sat 92.2 102.3 751.5 8.4 24.1 27 3.1 0.0 0.0 327 6 5 sep sat 92.2 102.3 751.5 8.4 21.2 32 2.2 0.0 0.0 328 6 5 sep sat 92.2 102.3 751.5 8.4 19.7 35 1.8 0.0 0.0	323 3	5	sep	thu	90.7	136.9	822.8	6.8	12.9	39	2.7	0.0	1.0
326 5 4 sep sat 92.2 102.3 751.5 8.4 24.1 27 3.1 0.0 0.0 327 6 5 sep sat 92.2 102.3 751.5 8.4 21.2 32 2.2 0.0 0.0 328 6 5 sep sat 92.2 102.3 751.5 8.4 19.7 35 1.8 0.0 0.0	324 6	5	sep	thu	88.1	53.3	726.9	5.4	13.7	56	1.8	0.0	1.0
327 6 5 sep sat 92.2 102.3 751.5 8.4 21.2 32 2.2 0.0 0.0 328 6 5 sep sat 92.2 102.3 751.5 8.4 19.7 35 1.8 0.0 0.0	325 1	4	sep	sat	92.2	102.3	751.5	8.4	24.2	27	3.1	0.0	0.0
328 6 5 sep sat 92.2 102.3 751.5 8.4 19.7 35 1.8 0.0 0.0	326 5	4	sep	sat	92.2	102.3	751.5	8.4	24.1	27	3.1	0.0	0.0
•	327 6	5	sep	sat	92.2	102.3	751.5	8.4	21.2	32	2.2	0.0	0.0
329 4 3 sep sat 92.2 102.3 751.5 8.4 23.5 27 4.0 0.0 1.0	328 6	5	sep	sat	92.2	102.3	751.5	8.4	19.7	35	1.8	0.0	0.0
	329 4	3	sep	sat	92.2	102.3	751.5	8.4	23.5	27	4.0	0.0	1.0

X	Y mon	th	day F	FMC D	МС	DC	ISI t	emp	R	H wind	rainou	tput
330 3	3	sep	sat	92.2	102.3	751.5	8.4	24.2	27	3.1	0.0	1.0
331 7	4	sep	sat	91.2	124.4	795.3	8.5	21.5	28	4.5	0.0	1.0
332 4	4	sep		91.2	124.47	95.3	8.5	17.1	41	2.2		
333 1	4	sep	mon	92.1	87.7	721.1	9.5	18.1	54	3.1	0.0	1.0
334 2	3	sep	mon	91.6	108.4	764.0	6.2	18.0	51	5.4	0.0	0.0
335 4	3	sep	mon	91.6	108.4	764.0	6.2	9.8	86	1.8	0.0	0.0
336 7	4	sep	mon	91.6	108.4	764.0	6.2	19.3	44	2.2	0.0	0.0
337 6	3	sep	mon	91.6	108.4	764.0	6.2	23.0	34	2.2	0.0	1.0
338 8	6	sep	mon	91.6	108.4	764.0	6.2	22.7	35	2.2	0.0	1.0
339 2	4	sep	mon	91.6	108.4	764.0	6.2	20.4	41	1.8	0.0	1.0
340 2	5	sep	mon	91.6	108.4	764.0	6.2	19.3	44	2.2	0.0	1.0
341 8	6	sep	mon	91.9	111.7	770.3	6.5	15.7	51	2.2	0.0	0.0
342 6	3	sep	mon	91.5	130.1	807.1	7.5	20.6	37	1.8	0.0	0.0
343 8	6	sep	mon	91.5	130.1	807.1	7.5	15.9	51	4.5	0.0	1.0
344 6	3	sep	mon	91.5	130.1	807.1	7.5	12.2	66	4.9	0.0	1.0
345 2	2	sep	mon	91.5	130.1	807.1	7.5	16.8	43	3.1	0.0	1.0
346 1	4	sep	mon	91.5	130.1	807.1	7.5	21.3	35	2.2	0.0	1.0
347 5	4	sep	fri	92.1	99.0	745.3	9.6	10.1	75	3.6	0.0	0.0
348 3	4	sep	fri	92.1	99.0	745.3	9.6	17.4	57	4.5	0.0	0.0
349 5	4	sep	fri	92.1	99.0	745.3	9.6	12.8	64	3.6	0.0	1.0
350 5	4	sep	fri	92.1	99.0	745.3	9.6	10.1	75	3.6	0.0	1.0
351 4	4	sep	fri	92.1	99.0	745.3	9.6	15.4	53	6.3	0.0	1.0
352 7	4	sep	fri	92.1	99.0	745.3	9.6	20.6	43	3.6	0.0	1.0
353 7	4	sep	fri	92.1	99.0	745.3	9.6	19.8	47	2.7	0.0	1.0
354 7	4	sep	fri	92.1	99.0	745.3	9.6	18.7	50	2.2	0.0	1.0
355 4	4	sep	fri	92.1	99.0	745.3	9.6	20.8	35	4.9	0.0	1.0
356 4	4	sep	fri	92.1	99.0	745.3	9.6	20.8	35	4.9	0.0	1.0

sat 0.0 1.0

Х	Y mon	ıth	day F	FMC D	МС	DC	ISI 1	temp	R	H wind	rainou	tput
357 6	3	sep	fri	92.5	122.0	789.7	10.2	15.9	55	3.6	0.0	0.0
358 6	3	sep	fri	92.5	122.0	789.7	10.2	19.7	39	2.7	0.0	0.0
359 1	4	sep	fri	92.5	122.0	789.7	10.2	21.1	39	2.2	0.0	1.0
360 6	5	sep	fri	92.5	122.0	789.7	10.2	18.4	42	2.2	0.0	1.0
361 4	3	sep	fri	92.5	122.0	789.7	10.2	17.3	45	4.0	0.0	1.0
362 7	4	sep	fri	88.2	55.2	732.3	11.6	15.2	64	3.1	0.0	1.0
363 4	3	sep	tue	91.9	111.7	770.3	6.5	15.9	53	2.2	0.0	1.0
364 6	5	sep	tue	91.9	111.7	770.3	6.5	21.1	35	2.7	0.0	1.0
365 6	5	sep	tue	91.9	111.7	770.3	6.5	19.6	45	3.1	0.0	1.0
366 4	5	sep	tue	91.1	132.3	812.1	12.5	15.9	38	5.4	0.0	1.0
367 4	5	sep	tue	91.1	132.3	812.1	12.5	16.4	27	3.6	0.0	0.0
368 6	5	sep	sat	91.2	94.3	744.4	8.4	16.8	47	4.9	0.0	1.0
369 4	5	sep	sun	91.0	276.3	825.1	7.1	13.8	77	7.6	0.0	0.0

month DMC DC

X Y day FFMC ISI temp wwinidndrairnaionutpoutput

RH

370	7 4	sep	sun	91.0	276.3	825.1	7.1	13.8	77	7.6	0.0	1.0
371	3 4	jul	wed	91.9	133.6	520.5	8.0	14.2	58	4.0	0.0	0.0
372	4 5	aug	sun	92.0	203.2	664.5	8.1	10.4	75	0.9	0.0	0.0
373	5 4	aug	thu	94.8	222.4	698.6	13.9	20.3	42	2.7	0.0	0.0
374	6 5	sep	fri	90.3	290.0	855.3	7.4	10.3	78	4.0	0.0	1.0
375	6 5	sep	sat	91.2	94.3	744.4	8.4	15.4	57	4.9	0.0	1.0
376	8 6	aug	mon	92.1	207.0	672.6	8.2	21.1	54	2.2	0.0	0.0
377	22	aug	sat	93.7	231.1	715.1	8.4	21.9	42	2.2	0.0	1.0
378	6 5	mar	thu	90.9	18.9	30.6	8.0	8.7	51	5.8	0.0	0.0
379	4 5	jan	sun	18.7	1.1	171.4	0.0	5.2	100	0.9	0.0	0.0
380	5 4	jul	wed	93.7	101.3	458.8	11.9	19.3	39	7.2	0.0	1.0
381	8 6	aug	thu	90.7	194.1	643.0	6.8	16.2	63	2.7	0.0	1.0
382	8 6	aug	wed	95.2	217.7	690.0	18.0	28.2	29	1.8	0.0	1.0
383	9 6	aug	thu	91.6	248.4	753.8	6.3	20.5	58	2.7	0.0	1.0
384	8 4	aug	sat	91.6	273.8	819.1	7.7	21.3	44	4.5	0.0	1.0
385	2 4	aug	sun	91.6	181.3	613.0	7.6	20.9	50	2.2	0.0	1.0
386	3 4	sep	sun	90.5	96.7	750.5	11.4	20.6	55	5.4	0.0	1.0
387	5 5	mar	thu	90.9	18.9	30.6	8.0	11.6	48	5.4	0.0	0.0
388	6 4	aug	fri	94.8	227.0	706.7	12.0	23.3	34	3.1	0.0	1.0
389	7 4	aug	fri	94.8	227.0	706.7	12.0	23.3	34	3.1	0.0	0.0
390	74	feb	mon	84.7	9.5	58.3	4.1	7.5	71	6.3	0.0	1.0
391	8 6	sep	fri	91.1	91.3	738.1	7.2	20.7	46	2.7	0.0	1.0
392	1 3	sep	sun	91.0	276.3	825.1	7.1	21.9	43	4.0	0.0	1.0
393	2 4	mar	tue	93.4	15.0	25.6	11.4	15.2	19	7.6	0.0	0.0
394	6 5	feb	mon	84.1	4.6	46.7	2.2	5.3	68	1.8	0.0	0.0
395	4 5	feb	sun	85.0	9.0	56.9	3.5	10.1	62	1.8	0.0	1.0

sat 1.0

396	43	sep	sun	90.5	96.7	750.5	11.4	20.4	55	4.9	0.0	1.0
397	5 6	aug	sun	91.6	181.3	613.0	7.6	24.3	33	3.6	0.0	1.0
398	1 2	aug	sat	93.7	231.1	715.1	8.4	25.9	32	3.1	0.0	0.0
399	9 5	jun	wed	93.3	49.5	297.7	14.0	28.0	34	4.5	0.0	0.0
400	9 5	jun	wed	93.3	49.5	297.7	14.0	28.0	34	4.5	0.0	1.0
401	3 4	sep	thu	91.1	88.2	731.7	8.3	22.8	46	4.0	0.0	1.0
402	9 9	aug	fri	94.8	227.0	706.7	12.0	25.0	36	4.0	0.0	0.0
403	8 6	aug	thu	90.7	194.1	643.0	6.8	21.3	41	3.6	0.0	0.0
404	2 4	sep	wed	87.9	84.8	725.1	3.7	21.8	34	2.2	0.0	1.0
405	22	aug	tue	94.6	212.1	680.9	9.5	27.9	27	2.2	0.0	0.0
406	65	sep		87.	1291.3	860.6	4.0	17.0	67	4.9	0.0	
407 4	. 5	feb	sat	84.7	8.2	55.0	2.9	14.2	46	4.0	0.0	0.0
408 4	1 3	sep	fri	90.3	290.0	855.3	7.4	19.9	44	3.1	0.0	1.0
409 1	I 4	jul	tue	92.3	96.2	450.2	12.1	23.4	31	5.4	0.0	0.0
410 6	3	feb	fri	84.1	7.3	52.8	2.7	14.7	42	2.7	0.0	0.0
411 7	7 4	feb	fri	84.6	3.2	43.6	3.3	8.2	53	9.4	0.0	1.0
412 9	9 4	jul				442.1	9.8	22.8	27	4.5	0.0	1.0
413 7		aug	sat			715.1		26.4	33	3.6	0.0	0.0
414 5						723.1		24.1	50	4.0	0.0	0.0
414 5		aug	sun			698.6		27.5	27	4.9	0.0	1.0
416 6	3	jul	tue	92.7	164.1	575.8	8.9	26.3	39	3.1	0.0	1.0
417 6	5	mar	wed	93.4	17.3	28.3	9.9	13.8	24	5.8	0.0	0.0
418 2	2 4	aug	sun	92.0	203.2	664.5	8.1	24.9	42	5.4	0.0	1.0
419 2	2 5	aug	sun	91.6	181.3	613.0	7.6	24.8	36	4.0	0.0	1.0
420 8	8	aug	wed	91.7	191.4	635.9	7.8	26.2	36	4.5	0.0	1.0
421 2	2 4	aug	wed	95.2	217.7	690.0	18.0	30.8	19	4.5	0.0	0.0
422 8	6	jul	sun	88.9	263.1	795.9	5.2	29.3	27	3.6	0.0	1.0

	423 1	3	sep	sat	91.2	94.3	744.4	8.4	22.3	48	4.0	0.0	1.0
	424 8	6	aug	sat	93.7	231.1	715.1	8.4	26.9	31	3.6	0.0	1.0
	425 2	2	aug	thu	91.6	248.4	753.8	6.3	20.4	56	2.2	0.0	0.0
	426 8	6	aug	thu	91.6	248.4	753.8	6.3	20.4	56	2.2	0.0	0.0
	427 2	4	aug	mon	92.1	207.0	672.6	8.2	27.9	33	2.2	0.0	1.0
	428 1	3	aug	thu	94.8	222.4	698.6	13.9	26.2	34	5.8	0.0	0.0
	429 3	4	aug	sun	91.6	181.3	613.0	7.6	24.6	44	4.0	0.0	1.0
	430 7	4	sep	thu	89.7	287.2	849.3	6.8	19.4	45	3.6	0.0	0.0
	431 1	3	aug	sat	92.1	178.0	605.3	9.6	23.3	40	4.0	0.0	1.0
	432 8	6	aug	thu	94.8	222.4	698.6	13.9	23.9	38	6.7	0.0	0.0
	433 2	4	aug	sun	93.6	235.1	723.1	10.1	20.9	66	4.9	0.0	1.0
	434 1	4	aug	fri	90.6	269.8	811.2	5.5	22.2	45	3.6	0.0	0.0
	435 2	5	jul	sat	90.8	84.7	376.6	5.6	23.8	51	1.8	0.0	0.0
	436 8	6	aug	mon	92.1	207.0	672.6	8.2	26.8	35	1.3	0.0	1.0
	437 8	6	aug	sat	89.4	253.6	768.4	9.7	14.2	73	2.7	0.0	0.0
	438 2	5	aug	sat	93.7	231.1	715.1	8.4	23.6	53	4.0	0.0	1.0
	439 1	3	sep	fri	91.1	91.3	738.1	7.2	19.1	46	2.2	0.0	1.0
	440 5	4	sep	fri	90.3	290.0	855.3	7.4	16.2	58	3.6	0.0	0.0
	441 8	6	aug	mon	92.1	207.0	672.6	8.2	25.5	29	1.8	0.0	1.0
	442 6	5	apr	mon	87.9	24.9	41.6	3.7	10.9	64	3.1	0.0	1.0
	443 1	2	jul	fri		80.9				78	8.0	0.0	0.0
wwinidndrairn		Y mo	nth	day F	FMC [OMC	DC	ISI 1	temp				RH
	444	2 5	sep	fri	90.3	290.0	855.3	7.4	16.2	58	3.6	0.0	1.0
	445	5 5	aug	sun	94.0	47.9	100.7	10.7	17.3	80	4.5	0.0	0.0
	446	6 5	aug	sun	92.0	203.2	664.5	8.1	19.1	70	2.2	0.0	0.0
	447	3 4	mar	wed	93.4	17.3	28.3	9.9	8.9	35	8.0	0.0	0.0

448	7 4	sep	wed	89.7	284.9	844.0	10.1	10.5	77	4.0	0.0	0.0
449	7 4	aug	sun	91.6	181.3	613.0	7.6	19.3	61	4.9	0.0	0.0
450	4 5	aug	wed	95.2	217.7	690.0	18.0	23.4	49	5.4	0.0	1.0
451	1 4	aug	fri	90.5	196.8	649.9	16.3	11.8	88	4.9	0.0	1.0
452	7 4	aug	mon	91.5	238.2	730.6	7.5	17.7	65	4.0	0.0	0.0
453	4 5	aug	thu	89.4	266.2	803.3	5.6	17.4	54	3.1	0.0	0.0
454	3 4	aug	thu	91.6	248.4	753.8	6.3	16.8	56	3.1	0.0	0.0
455	3 4	jul	mon	94.6	160.0	567.2	16.7	17.9	48	2.7	0.0	0.0
456	2 4	aug	thu	91.6	248.4	753.8	6.3	16.6	59	2.7	0.0	0.0
457	14	aug	wed	91.7	191.4	635.9	7.8	19.9	50	4.0	0.0	1.0
458	8 6	aug	sat	93.7	231.1	715.1	8.4	18.9	64	4.9	0.0	1.0
459	7 4	aug	sat	91.6	273.8	819.1	7.7	15.5	72	8.0	0.0	1.0
460	2 5	aug	sat	93.7	231.1	715.1	8.4	18.9	64	4.9	0.0	0.0
461	8 6	aug	sat	93.7	231.1	715.1	8.4	18.9	64	4.9	0.0	0.0
462	14	sep	sun	91.0	276.3	825.1	7.1	14.5	76	7.6	0.0	1.0
463	6 5	feb	tue	75.1	4.4	16.2	1.9	4.6	82	6.3	0.0	1.0
464	6 4	feb	tue	75.1	4.4	16.2	1.9	5.1	77	5.4	0.0	1.0
465	22	feb	sat	79.5	3.6	15.3	1.8	4.6	59	0.9	0.0	1.0
466	6 5	mar	mon	87.2	15.1	36.9	7.1	10.2	45	5.8	0.0	1.0
467	3 4	mar	wed	90.2	18.5	41.1	7.3	11.2	41	5.4	0.0	1.0
468	6 5	mar	thu	91.3	20.6	43.5	8.5	13.3	27	3.6	0.0	1.0
469	63	apr	sun	91.0	14.6	25.6	12.3	13.7	33	9.4	0.0	1.0
470	5 4	apr	sun	91.0	14.6	25.6	12.3	17.6	27	5.8	0.0	0.0
471	4 3	may	fri	89.6	25.4	73.7	5.7	18.0	40	4.0	0.0	1.0
472	8 3	jun	mon	88.2	96.2	229.0	4.7	14.3	79	4.0	0.0	1.0
473	9 4	jun	sat	90.5	61.1	252.6	9.4	24.5	50	3.1	0.0	1.0
474	4 3	jun	thu	93.0	103.8	316.7	10.8	26.4	35	2.7	0.0	1.0

475	2	5	jun	thu	93.7	121.7	350.2	18.0	22.7	40	9.4	0.0	1.0
476	4	3	jul	thu	93.5	85.3	395.0	9.9	27.2	28	1.3	0.0	1.0
477	4	3	jul	sun	93.7	101.3	423.4	14.7	26.1	45	4.0	0.0	1.0
478	7	4	jul	sun	93.7	101.3	423.4	14.7	18.2	82	4.5	0.0	1.0
479	7	4	jul	mon	89.2	103.9	431.6	6.4	22.6	57	4.9	0.0	1.0
480	99		jul	thu		2114.4		9.5	30.2	25	4.5	0.0	
	XY		month	dayF	FMC	DMC	DC		emp		RH win		-
48	1 4	3	jul	thu	93.2	114.4	560.0	9.5	30.2	22	4.9	0.0	0.0
48	2 3	4	aug	sun	94.9	130.3	587.1	14.1	23.4	40	5.8	0.0	1.0
48	3 8	6	aug	sun	94.9	130.3	587.1	14.1	31.0	27	5.4	0.0	0.0
48	4 2	5	aug	sun	94.9	130.3	587.1	14.1	33.1	25	4.0	0.0	1.0
48	5 2	4	aug	mon	95.0	135.5	596.3	21.3	30.6	28	3.6	0.0	1.0
48	6 5	4	aug	tue	95.1	141.3	605.8	17.7	24.1	43	6.3	0.0	1.0
48	7 5	4	aug	tue	95.1	141.3	605.8	17.7	26.4	34	3.6	0.0	1.0
48	8 4	4	aug	tue	95.1	141.3	605.8	17.7	19.4	71	7.6	0.0	1.0
48	9 4	4	aug	wed	95.1	141.3	605.8	17.7	20.6	58	1.3	0.0	0.0
49	0 4	4	aug	wed	95.1	141.3	605.8	17.7	28.7	33	4.0	0.0	0.0
49	1 4	4	aug	thu	95.8	152.0	624.1	13.8	32.4	21	4.5	0.0	0.0
49	2 1	3	aug	fri	95.9	158.0	633.6	11.3	32.4	27	2.2	0.0	0.0
49	3 1	3	aug	fri	95.9	158.0	633.6	11.3	27.5	29	4.5	0.0	1.0
49	4 6	6	aug	sat	96.0	164.0	643.0	14.0	30.8	30	4.9	0.0	1.0
49	5 6	6	aug	mon	96.2	175.5	661.8	16.8	23.9	42	2.2	0.0	0.0
49	6 4	5	aug	mon	96.2	175.5	661.8	16.8	32.6	26	3.1	0.0	1.0
49	7 3	4	aug	tue	96.1	181.1	671.2	14.3	32.3	27	2.2	0.0	1.0
49	8 6	5	aug	tue	96.1	181.1	671.2	14.3	33.3	26	2.7	0.0	1.0
49	9 7	5	aug	tue	96.1	181.1	671.2	14.3	27.3	63	4.9	6.4	1.0
50	8 0	6	aug	tue	96.1	181.1	671.2	14.3	21.6	65	4.9	8.0	0.0
50	1 7	5	aug	tue	96.1	181.1	671.2	14.3	21.6	65	4.9	0.8	0.0
50	2 4	4	aug	tue	96.1	181.1	671.2	14.3	20.7	69	4.9	0.4	0.0

503 2 4	aug wed	94.5 139.4 689.1 20.0	29.2 30 4.9	0.0 1.0
504 4 3	aug wed	94.5 139.4 689.1 20.0	28.9 29 4.9	0.0 1.0
505 1 2	aug thu	91.0 163.2 744.4 10.1	26.7 35 1.8	0.0 1.0
506 1 2	aug fri	91.0 166.9 752.6 7.1	18.5 73 8.5	0.0 0.0
507 2 4	aug fri	91.0 166.9 752.6 7.1	25.9 41 3.6	0.0 0.0
508 1 2	aug fri	91.0 166.9 752.6 7.1	25.9 41 3.6	0.0 0.0
509 5 4	aug fri	91.0 166.9 752.6 7.1	21.1 71 7.6	1.4 1.0
510 6 5	aug fri	91.0 166.9 752.6 7.1	18.2 62 5.4	0.0 1.0
511 8 6	aug sun	81.6 56.7 665.6 1.9	27.8 35 2.7	0.0 0.0
512 4 3	aug sun	81.6 56.7 665.6 1.9	27.8 32 2.7	0.0 1.0
513 2 4	aug sun	81.6 56.7 665.6 1.9	21.9 71 5.8	0.0 1.0
514 7 4	aug sun	81.6 56.7 665.6 1.9	21.2 70 6.7	0.0 1.0
515 1 4	aug sat	94.4 146.0 614.7 11.3	25.6 42 4.0	0.0 0.0
516 63	nov tue	79.5 3.0106.7 1.1	11.8 31 4.5	0.0 0.0

In[]:

In [1]: import keras from keras.preprocessing.image import ImageDataGenerator

In[2]: #Define the parameters/arguments for ImageDataGeneratorclass
train_datagen=ImageDataGenerator(rescale=1./255,shear_range=0.2,rotation_range=180,zoom_range

test_datagen=ImageDataGenerator(rescale=1./255)

In [3]: #Applying ImageDataGenerator functionality to trainset

x_train=train_datagen.flow_from_directory(r'C:\Users\dhine\Downloads\archive\Dataset\Dataset\ target_size=(128,128),batch_size=32, class_mode='binary')

Found 436 images belonging to 2 classes.

In [4]: #Applying ImageDataGenerator functionality to testset

x_test=test_datagen.flow_from_directory(r'C:\Users\dhine\Downloads\archive\Dataset\Dataset\te target_size=(128,128),batch_size=32, class_mode='binary')

Found 121 images belonging to 2 classes.

In[5]: #importmodelbuilding libraries

#Todefine Linearinitialisation import Sequential from

keras.models import Sequential

#To add layers import Dense from

keras.layers import Dense

#Tocreate Convolutionkernelimport Convolution2D

from keras.layers import Convolution2D

#import Maxpooling layer from

keras.layers import MaxPooling2D

#import flatten layer from keras.layers

import Flatten import warnings

warnings.filterwarnings('ignore')

In[7]:

#initializing the model model=Sequential()

In[8]:

#add convolutional layer

model.add(Convolution2D(32,(3,3),input_shape=(128,128,3),activation='relu')) #add

maxpooling layer model.add(MaxPooling2D(pool_size=(2,2)))

#add flatten layer model.add(Flatten())

```
In [9]: #add hidden layer
In [10] model.add(Dense(150,activation='relu')) #add output
layermodel.add(Dense(1,activation='sigmoid'))

#configure the learning process model.compile(loss='binary_crossentropy',optimizer="adam",metrics=["accuracy"])

#Training the model model.fit_generator(x_train,steps_per_epoch=14,epochs=10,validation_data=x_test,validation_st
```

```
Epoch 1/10
           14/14[==================]-84s6s/step-loss:4.2334-accuracy:0.5619-val_loss: 1.3686-
           val accuracy:0.5950Epoch2/10
           14/14[================]-74s5s/step-loss:0.5689-accuracy:0.7362-val_loss: 0.2423-
           val accuracy:0.8926Epoch3/10
           14/14[=========================]-123s9s/step-loss:0.2231-accuracy:0.9197-val_loss:
                                                                                    0.1323-
           val_accuracy:0.9669Epoch4/10
           14/14[========================]-75s5s/step-loss:0.2170-accuracy:0.9128-val_loss: 0.1082-
           val_accuracy:0.9669Epoch5/10
           I_loss: 0.1145 - val_accuracy: 0.9669Epoch 6/10
           14/14[========================]-111s8s/step-loss:0.1938-accuracy:0.9037-val loss: 0.1030
           val accuracy:0.9669
      Epoch14/14 [=========7/10
                                                                                              ====1
-88s6s/step -loss: 0.1756 -accuracy:0.9312
                                           -val loss: 0.0831-val accuracy:0.97528/10
           Epoch
      -86s
                                                  6s/step-loss:0.1564-accuracy:0.9404-val_
                                                                                       loss: ====1
           Epoch
                      0.1073-val accuracy:0.96699/10
            14/14[===========
====]-77s6s/step-loss:0.1480-accuracy:0.9427-val_
                                                    loss: 0.0754 - val_accuracy:0.983510/10
                                                                                               Epoch
14/14
                                                              -loss: 0.1641
                                                                              -accuracy:0.9289
                                                                                                -val
                                                  -81s6s/step
             loss:
                         0.0601 - val accuracy:0.9835
           <keras.callbacks.Historyat0x2546507bf10>Out[11]:
  In[12]:
            model.save("forest1.h5")
           #import
                   load model
                              from
                                     keras.modelfrom
  In [13]:
           keras.models import load_model #import image
           classfromkerasfromtensorflow.keras.preprocessing
           importimage
           #import numpy import
           numpy as np
           #import cv2 import
```

in [15]: #load the saved model =
load_model("forest1.h5")

	fire\skynx=image.img_to_array(img) res = cv2.resize(x, dsize=(128, 128), interpolation=cv2.INTER_CUBIC) #expand the image shape x=np.expand_dims(res,axis=0)	
In[17]:	pred=model.predict(x) 1/1 [===================================	

 $img = image.load_img (r'C:\Users\dhine\Downloads\archive\Dataset\Dataset\test_set\with$

In [16]:

pred