## EMERGING METHODS FOR EARLY DETECTION OF FOREST FIRES PROJECT DEVELOPMENT PHASE

## **SPRINT 1**

Date	01.11.2022
Team ID	PNT2022TMID07050
Project Name	Emerging Methods For Early Detection Of Forest Fires
Team Lead	Devi Sravanti Gubbala
Team Members	Esther Janet
	Divya Sri
	Akshara Yuvaraj

```
import seaborn as sns
          from sklearn import metrics
          from sklearn.metrics import classification report,confusion matrix
In [5]:
         import warnings
          warnings.filterwarnings(action="ignore")
          %matplotlib inline
          sns.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 first 15 instance of dataset
          fires.head(15)
                             day FFMC DMC
             X Y month
                                                 DC
                                                       ISI temp
                                                                  RH
                                                                       wind
                                                                             rain
Out[6]:
                                                                                   area
           0 7
                 5
                       mar
                              fri
                                   86.2
                                          26.2
                                                94.3
                                                       5.1
                                                              8.2
                                                                   51
                                                                         6.7
                                                                              0.0
                                                                                    0.0
                                   90.6
                                               669.1
                                                       6.7
             7 4
                                          35.4
                                                             18.0
                                                                   33
                                                                         0.9
                                                                              0.0
                                                                                    0.0
                        oct
                             tue
           2 7 4
                                   90.6
                                          43.7
                                                686.9
                                                       6.7
                                                             14.6
                                                                   33
                                                                         1.3
                                                                              0.0
                                                                                    0.0
                        oct
                              sat
                                   91.7
                                                       9.0
           3 8 6
                       mar
                              fri
                                          33.3
                                                77.5
                                                              8.3
                                                                   97
                                                                         4.0
                                                                              0.2
                                                                                    0.0
             8 6
                                   89.3
                                          51.3
                                               102.2
                                                       9.6
                                                             11.4
                                                                   99
                                                                         1.8
                                                                              0.0
                                                                                    0.0
                       mar
                             sun
           5 8 6
                                    92.3
                                          85.3
                                               488.0
                                                      14.7
                                                             22.2
                                                                   29
                                                                         5.4
                                                                              0.0
                                                                                    0.0
                       aug
                             sun
             8 6
                                   92.3
                                          88.9
                                               495.6
                                                       8.5
                                                                   27
                                                                         3.1
                                                                              0.0
                                                                                    0.0
                       aug
                            mon
                                                             24.1
           7 8 6
                                               608.2
                                                      10.7
                                   91.5
                                        145.4
                                                              8.0
                                                                   86
                                                                         2.2
                                                                              0.0
                                                                                    0.0
                       aug
                            mon
             8 6
                                   91.0
                                         129.5
                                               692.6
                                                       7.0
                                                             13.1
                                                                   63
                                                                         5.4
                                                                              0.0
                                                                                    0.0
                       sep
                             tue
             7 5
                                   92.5
                                          88.0
                                                698.6
                                                       7.1
                                                                   40
                                                                              0.0
                                                             22.8
                                                                         4.0
                                                                                    0.0
                       sep
                              sat
          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
                                    92.8
                                          73.2 713.0
                                                      22.6
                                                                              0.0
                                                             19.3
                                                                   38
                                                                         4.0
                                                                                    0.0
                       sep
                              sat
          12 6 5
                              fri
                                   63.5
                                          70.8
                                               665.3
                                                       8.0
                                                             17.0
                                                                   72
                                                                         6.7
                                                                              0.0
                                                                                    0.0
                       aug
          13 6 5
                                   90.9 126.5
                                               686.5
                                                                   42
                                                                         2.2
                                                                              0.0
                                                                                    0.0
                       sep
                            mon
                                                       7.0
                                                             21.3
          14 6 5
                            wed
                                   92.9 133.3 699.6
                                                       9.2
                                                             26.4
                                                                   21
                                                                         4.5
                                                                              0.0
                                                                                    0.0
                       sep
          fires.shape
In [7]:
         (517, 13)
Out[7]:
In [8]:
         #show the Last 10 instances of dataset
         fires.tail(15)
```

In [4]:

import matplotlib.pyplot as plt

import numpy as np
import pandas as pd

	X	Y	month	day	FFMC	DMC	DC	ISI	temp	RH	wind	rain	area
502	4	4	aug	tue	96.1	181.1	671.2	14.3	20.7	69	4.9	0.4	0.00
503	2	4	aug	wed	94.5	139.4	689.1	20.0	29.2	30	4.9	0.0	1.95
504	4	3	aug	wed	94.5	139.4	689.1	20.0	28.9	29	4.9	0.0	49.59
505	1	2	aug	thu	91.0	163.2	744.4	10.1	26.7	35	1.8	0.0	5.80
506	1	2	aug	fri	91.0	166.9	752.6	7.1	18.5	73	8.5	0.0	0.00
507	2	4	aug	fri	91.0	166.9	752.6	7.1	25.9	41	3.6	0.0	0.00
508	1	2	aug	fri	91.0	166.9	752.6	7.1	25.9	41	3.6	0.0	0.00
509	5	4	aug	fri	91.0	166.9	752.6	7.1	21.1	71	7.6	1.4	2.17
510	6	5	aug	fri	91.0	166.9	752.6	7.1	18.2	62	5.4	0.0	0.43
511	8	6	aug	sun	81.6	56.7	665.6	1.9	27.8	35	2.7	0.0	0.00
512	4	3	aug	sun	81.6	56.7	665.6	1.9	27.8	32	2.7	0.0	6.44
513	2	4	aug	sun	81.6	56.7	665.6	1.9	21.9	71	5.8	0.0	54.29
514	7	4	aug	sun	81.6	56.7	665.6	1.9	21.2	70	6.7	0.0	11.16
515	1	4	aug	sat	94.4	146.0	614.7	11.3	25.6	42	4.0	0.0	0.00
516	6	3	nov	tue	79.5	3.0	106.7	1.1	11.8	31	4.5	0.0	0.00

## In [9]: fires.info()

Out[8]:

<class 'pandas.core.frame.DataFrame'>
RangeIndex: 517 entries, 0 to 516
Data columns (total 13 columns):

#	Column	Non-Null Count	Dtype
0	Χ	517 non-null	int64
1	Υ	517 non-null	int64
2	month	517 non-null	object
3	day	517 non-null	object
4	FFMC	517 non-null	float64
5	DMC	517 non-null	float64
6	DC	517 non-null	float64
7	ISI	517 non-null	float64
8	temp	517 non-null	float64
9	RH	517 non-null	int64
10	wind	517 non-null	float64
11	rain	517 non-null	float64
12	area	517 non-null	float64

dtypes: float64(8), int64(3), object(2)

memory usage: 52.6+ KB

In [10]: #generate descriptive statistics of each attribute
fires.describe().T

Out[10]:		count	mean	std	min	25%	50%	75%	max
	X	517.0	4.669246	2.313778	1.0	3.0	4.00	7.00	9.00
	Υ	517.0	4.299807	1.229900	2.0	4.0	4.00	5.00	9.00
	FFMC	517.0	90.644681	5.520111	18.7	90.2	91.60	92.90	96.20
	DMC	517.0	110.872340	64.046482	1.1	68.6	108.30	142.40	291.30
	DC	517.0	547.940039	248.066192	7.9	437.7	664.20	713.90	860.60
	ISI	517.0	9.021663	4.559477	0.0	6.5	8.40	10.80	56.10
	temp	517.0	18.889168	5.806625	2.2	15.5	19.30	22.80	33.30
	RH	517.0	44.288201	16.317469	15.0	33.0	42.00	53.00	100.00
	wind	517.0	4.017602	1.791653	0.4	2.7	4.00	4.90	9.40
	rain	517.0	0.021663	0.295959	0.0	0.0	0.00	0.00	6.40
	area	517.0	12.847292	63.655818	0.0	0.0	0.52	6.57	1090.84

In [11]: fires['area'].values[fires['area'].values >0] = 1
 #renaming the area attribute to output for clear understanding
 fires = fires.rename(columns={'area': 'output'})
 fires.head(10)

Out[11]:		X	Y	month	day	FFMC	DMC	DC	ISI	temp	RH	wind	rain	output
	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
	2	7	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
	4	8	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

In [12]: fires.corr()

```
X
                                    Υ
                                           FFMC
                                                      DMC
                                                                  DC
                                                                             ISI
                                                                                                 RH
Out[12]:
                                                                                                          wind
                                                                                    temp
                  1.000000
                              0.539548
                                       -0.021039 -0.048384 -0.085916
                                                                       0.006210 -0.051258
                                                                                            0.085223
                                                                                                      0.018798 0.065
                                                   0.007782 -0.101178
                                                                      -0.024488
                                                                                                                0.033
                    0.539548
                              1.000000
                                       -0.046308
                                                                                 -0.024103
                                                                                            0.062221
                                                                                                     -0.020341
            FFMC -0.021039
                             -0.046308
                                        1.000000
                                                   0.382619
                                                             0.330512
                                                                       0.531805
                                                                                  0.431532
                                                                                           -0.300995
                                                                                                     -0.028485
                                                                                                                0.056
                                                                       0.305128
                                                                                            0.073795
             DMC -0.048384
                                                   1.000000
                                                             0.682192
                                                                                                     -0.105342 0.074
                              0.007782
                                        0.382619
                                                                                  0.469594
               DC -0.085916
                             -0.101178
                                        0.330512
                                                   0.682192
                                                             1.000000
                                                                       0.229154
                                                                                  0.496208
                                                                                           -0.039192 -0.203466 0.035
               ISI
                    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
              RH
                    0.085223
                              0.062221
                                       -0.300995
                                                   0.073795 -0.039192 -0.132517
                                                                                 -0.527390
                                                                                            1.000000
                                                                                                      0.069410 0.099
                   0.018798
                             -0.020341
                                       -0.028485 -0.105342 -0.203466
                                                                       0.106826
                                                                                                      1.000000 0.061
             wind
                                                                                 -0.227116
                                                                                            0.069410
                    0.065387
                              0.033234
                                        0.056702
                                                   0.074790
                                                             0.035861
                                                                       0.067668
                                                                                  0.069491
                                                                                            0.099751
                                                                                                      0.061119
                                                                                                               1.000
             rain
                                                             0.096724
                                                                       0.035663
                                                                                                      0.055702 0.025
           output
                   0.062491
                              0.056892
                                        0.073823
                                                   0.062672
                                                                                  0.076047 -0.035587
In [15]:
           numerical_feature = fires.describe(include=["int", "float"]).columns
           # Print it in list type ...
           print(list(numerical_feature))
           ['X', 'Y', 'FFMC', 'DMC', 'DC', 'ISI', 'temp', 'RH', 'wind', 'rain', 'output']
In [16]:
           sns.set_style('darkgrid')
           # Find the relation
           # plt.subplot(fires)
           sns.pairplot(fires[["temp", "wind", "rain", "DC"]])
```

plt.show()



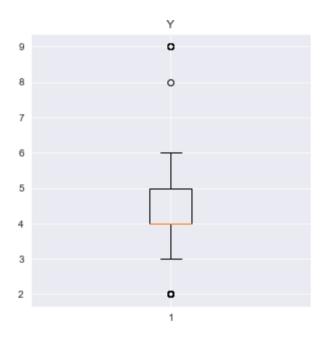
30

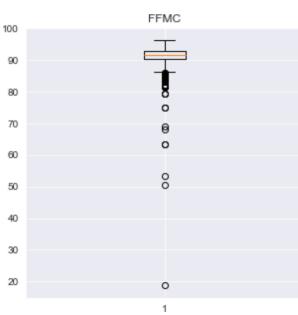
```
In [17]: for idx, col in enumerate(numerical_feature, 1):
    plt.figure(figsize=(5,5))

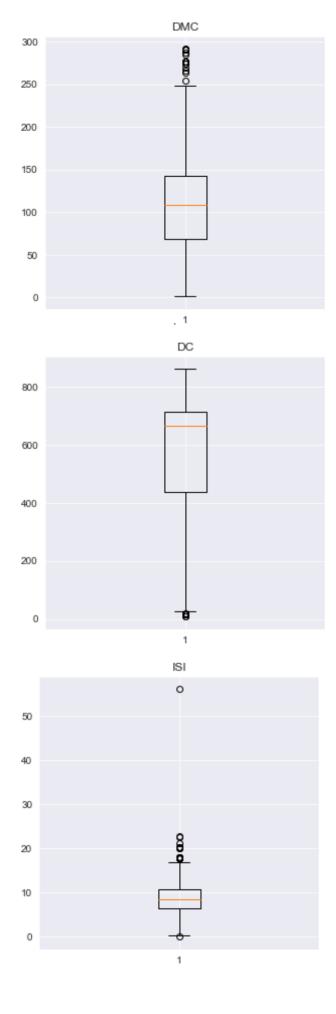
#    plt.subplot(len(numerical_feature) // 2, 3, idx)
    plt.boxplot(fires[col])

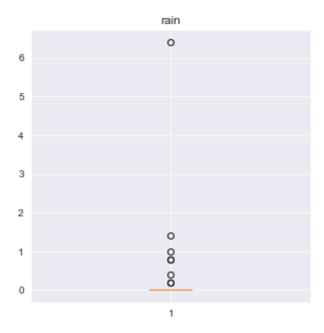
    plt.title(col)
    plt.hist(fires[col])

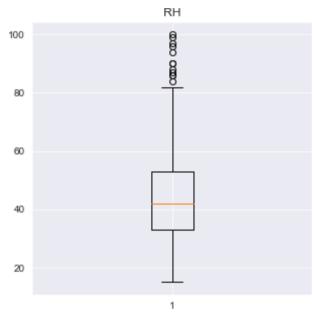
plt.tight_layout()
plt.show(plt)
```

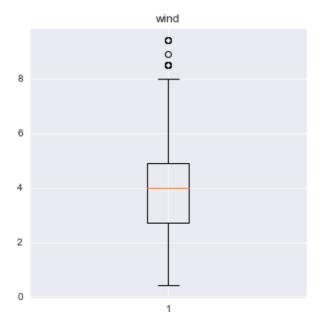


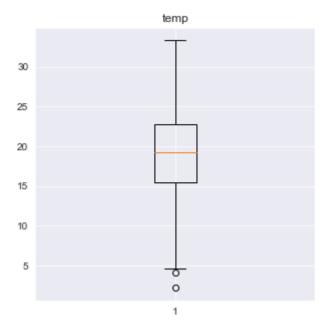


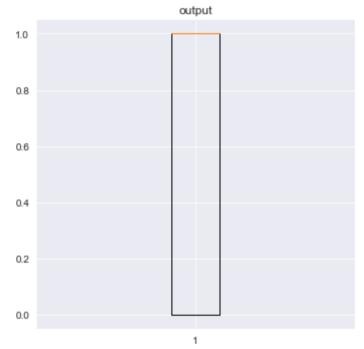




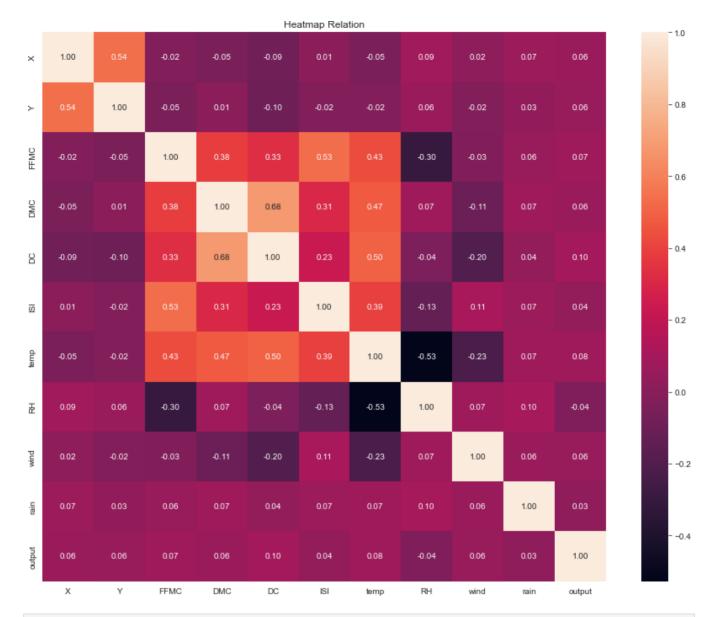








```
In [18]: plt.figure(figsize=(15, 12))
    plt.title("Heatmap Relation")
    sns.heatmap(fires[numerical_feature].corr(), annot=True, fmt='.2f');
```



```
In [19]: highest_rain = fires.sort_values(by='rain', ascending=False)[['month', 'day', 'rain']].head()
highest_rain
```

```
Out[19]:
                 month day rain
           499
                                6.4
                    aug
                          tue
           509
                    aug
                           fri
                                1.4
           243
                                1.0
                    aug
                          sun
           500
                                8.0
                    aug
                          tue
           501
                                0.8
                    aug
                          tue
```

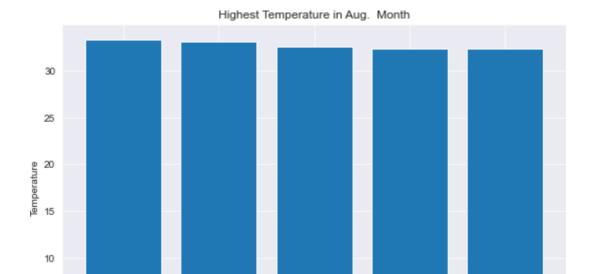
```
In [20]: highest_temp = fires.sort_values(by='temp', ascending=False)[['month', 'day', 'temp']].head()
plt.figure(figsize=(9, 6))

plt.title("Highest Temperature in Aug. Month")

plt.bar(highest_temp['day'], highest_temp['temp'])

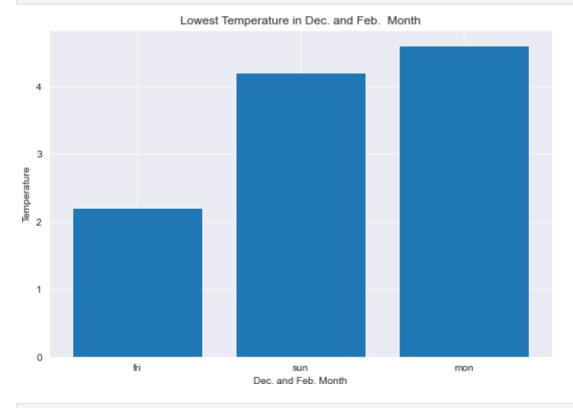
plt.xlabel("Day")
plt.xlabel("Aug. Month")

plt.ylabel("Temperature")
plt.show()
```



```
lowest_temp = fires.sort_values(by='temp', ascending=True)[['month', 'day', 'temp']].head()
In [21]:
         plt.figure(figsize=(9, 6))
         plt.title("Lowest Temperature in Dec. and Feb. Month")
         plt.bar(lowest_temp['day'], lowest_temp['temp'])
         plt.xlabel("Day")
         plt.xlabel("Dec. and Feb. Month")
         plt.ylabel("Temperature")
         plt.show()
```

Aug. Month



	Х	Y	month	day	FFMC	DMC	DC	ISI	temp	RH	wind	rain	output
	0 7	5	mar	fri	86.2	26.2	94.3	5.1	8.2	51	6.7	0.0	0.0
	<b>1</b> 7	4	oct	tue	90.6	35.4	669.1	6.7	18.0	33	0.9	0.0	0.0
	<b>2</b> 7	4	oct	sat	90.6	43.7	686.9	6.7	14.6	33	1.3	0.0	0.0
	<b>3</b> 8	6	mar	fri	91.7	33.3	77.5	9.0	8.3	97	4.0	0.2	0.0
	<b>4</b> 8	6	mar	sun	89.3	51.3	102.2	9.6	11.4	99	1.8	0.0	0.0
	<b>5</b> 8	6	aug	sun	92.3	85.3	488.0	14.7	22.2	29	5.4	0.0	0.0
	<b>6</b> 8	6	aug	mon	92.3	88.9	495.6	8.5	24.1	27	3.1	0.0	0.0
	<b>7</b> 8	6	aug	mon	91.5	145.4	608.2	10.7	8.0	86	2.2	0.0	0.0
	<b>8</b> 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
1	0 7	5	sep	sat	92.5	88.0	698.6	7.1	17.8	51	7.2	0.0	0.0
1	<b>1</b> 7	5	sep	sat	92.8	73.2	713.0	22.6	19.3	38	4.0	0.0	0.0
1	<b>2</b> 6	5	aug	fri	63.5	70.8	665.3	8.0	17.0	72	6.7	0.0	0.0
1	<b>3</b> 6	5	sep	mon	90.9	126.5	686.5	7.0	21.3	42	2.2	0.0	0.0
1	<b>4</b> 6	5	sep	wed	92.9	133.3	699.6	9.2	26.4	21	4.5	0.0	0.0
1	<b>5</b> 6	5	sep	fri	93.3	141.2	713.9	13.9	22.9	44	5.4	0.0	0.0
1	<b>6</b> 5	5	mar	sat	91.7	35.8	80.8	7.8	15.1	27	5.4	0.0	0.0
1	<b>7</b> 8	5	oct	mon	84.9	32.8	664.2	3.0	16.7	47	4.9	0.0	0.0
1	<b>8</b> 6	4	mar	wed	89.2	27.9	70.8	6.3	15.9	35	4.0	0.0	0.0
1	9 6	4	apr	sat	86.3	27.4	97.1	5.1	9.3	44	4.5	0.0	0.0
2	0 6	4	sep	tue	91.0	129.5	692.6	7.0	18.3	40	2.7	0.0	0.0
2	<b>1</b> 5	4	sep	mon	91.8	78.5	724.3	9.2	19.1	38	2.7	0.0	0.0
2	<b>2</b> 7	4	jun	sun	94.3	96.3	200.0	56.1	21.0	44	4.5	0.0	0.0
2	<b>3</b> 7	4	aug	sat	90.2	110.9	537.4	6.2	19.5	43	5.8	0.0	0.0
2	<b>4</b> 7	4	aug	sat	93.5	139.4	594.2	20.3	23.7	32	5.8	0.0	0.0
2	<b>5</b> 7	4	aug	sun	91.4	142.4	601.4	10.6	16.3	60	5.4	0.0	0.0
2	<b>6</b> 7	4	sep	fri	92.4	117.9	668.0	12.2	19.0	34	5.8	0.0	0.0
2	<b>7</b> 7	4	sep	mon	90.9	126.5	686.5	7.0	19.4	48	1.3	0.0	0.0
2	<b>8</b> 6	3	sep	sat	93.4	145.4	721.4	8.1	30.2	24	2.7	0.0	0.0
2	9 6	3	sep	sun	93.5	149.3	728.6	8.1	22.8	39	3.6	0.0	0.0
	0 6	3	sep	fri	94.3	85.1	692.3	15.9	25.4	24	3.6	0.0	0.0
3			sep	mon	88.6	91.8	709.9	7.1	11.2	78	7.6	0.0	0.0
3			·	fri	88.6	69.7	706.8	5.8	20.6	37	1.8	0.0	0.0
3			•	sun	91.7	75.6	718.3	7.8	17.7	39	3.6	0.0	0.0
	<b>4</b> 6		•	mon	91.8	78.5	724.3	9.2	21.2	32	2.7	0.0	0.0
3			•	tue	90.3	80.7	730.2	6.3	18.2	62	4.5	0.0	0.0
3	<b>6</b> 6	3	oct	tue	90.6	35.4	669.1	6.7	21.7	24	4.5	0.0	0.0

Out[22]:

38 7 3 oct sat 90.6 43.7 686.9 6.7 17.8 27 4.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0		X	Y	month	day	FFMC	DMC	DC	ISI	temp	RH	wind	rain	output
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           45 5         6         sep         wed         90.1         82.9         735.7         6.2         12.9         74         4.9         0.0         0.0           46 5         6         sep         mon         90.2         26.3         44.2         11.0         26.2         24         4.0         0.0         <	37	7	4	oct	fri	90.0	41.5	682.6	8.7	11.3	60	5.4	0.0	0.0
40 4 4  jul tue 79.5 60.6 36.67 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 51 4 3 aug wed 92.1 111.2 654.1 9.6 20.4 42 4.9 0.0 0.0 51 4 3 aug wed 92.1 111.2 654.1 9.6 20.4 42 4.9 0.0 0.0 51 4 3 aug wed 92.1 111.2 654.1 9.6 20.4 42 4.9 0.0 0.0 51 4 3 aug wed 92.1 111.2 654.1 9.6 20.4 42 4.9 0.0 0.0 51 4 3 aug wed 92.1 111.2 654.1 9.6 20.4 42 4.9 0.0 0.0 51 4 3 aug wed 92.1 111.2 654.1 9.6 20.4 42 4.9 0.0 0.0 51 4 3 aug wed 92.1 111.2 654.1 9.6 20.4 42 4.9 0.0 0.0 51 4 3 aug wed 92.1 111.2 654.1 9.6 20.4 42 4.9 0.0 0.0 51 4 3 aug wed 92.1 111.2 654.1 9.6 20.4 42 4.9 0.0 0.0 51 4 3 aug wed 92.1 111.2 654.1 9.6 20.4 42 4.9 0.0 0.0 51 4 3 aug wed 92.1 111.2 654.1 9.6 20.4 42 4.9 0.0 0.0 51 4 3 aug wed 92.1 111.2 654.1 9.6 20.4 42 4.9 0.0 0.0 51 4 3 aug wed 92.1 111.2 654.1 9.6 20.4 42 4.9 0.0 0.0 51 4 3 aug wed 92.1 111.2 654.1 9.6 20.4 42 4.9 0.0 0.0 51 4 3 aug wed 92.1 111.2 654.1 9.6 20.4 42 4.9 0.0 0.0 51 4 3 aug wed 92.1 111.2 654.1 9.6 20.4 42 4.9 0.0 0.0 51 4 3 aug wed 92.1 111.2 654.1 9.6 20.4 42 4.9 0.0 0.0 51 4 4 3 aug wed 92.1 111.2 654.1 9.6 20.4 42 4.9 0.0 0.0 51 4 4 3 aug wed 92.1 111.2 654.1 9.6 20.4 42 4.9 0.0 0.0 51 4 4 3 aug wed 92.1 111.2 654.1 9.6 20.4 42 4.9 0.0 0.0 51 4 5 aug wed 92.1 111.2 654.1 9.6 20.4 42 4.9 0.0 0.0 51 4 5 aug wed 92.1 111.2 654.1 9.6 20.4 42 4.9 0.0 0.0 51 4 5 aug wed 92.1 111.2 654.1 9.6 20.4 42 4.9 0.0 0.0 51 4 5 aug wed 92.1 111.2 654.1 9.6 20.4 42 4.9 0.0 0.0 51 4 5 aug wed 92.1 111.2 654.	38	7	3	oct	sat	90.6	43.7	686.9	6.7	17.8	27	4.0	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 62 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  50 4 4 sep thu 92.9 137.0 706.4 92 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 sep thu 92.9 137.0 706.4 9.2 27.7 24 2.2 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  55 4 3 sep thu 92.9 137.0 706.4 9.2 27.7 24 2.2 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  55 4 3 sep thu 92.9 137.0 706.4 9.2 17.7 24 2.2 0.0 0.0  56 4 3 sep thu 92.9 137.0 706.4 9.2 17.7 24 2.2 0.0 0.0  56 4 3 sep thu 92.9 137.0 706.4 9.2 17.7 24 2.2 0.0 0.0  56 2 2 feb mon 84.0 9.3 34.0 2.1 13.9 40 5.4 0.0 0.0  57 4 3 0ct sun 92.6 46.5 691.8 8.8 13.8 50 2.7 0.0 0.0  58 2 2 feb mon 84.0 9.3 34.0 2.1 13.9 40 5.4 0.0 0.0  59 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 5.5 59 6.3 0.0 0.0  61 2 2 mar sun 89.3 51.3 102.2 9.6 5.5 59 6.3 0.0 0.0  62 2 2 aug thu 93.0 75.3 466.6 7.7 18.8 35 4.9 0.0 0.0  63 2 2 aug sun 90.2 99.6 631.2 6.3 20.8 33 2.7 0.0 0.0  64 2 2 aug mon 91.1 103.2 638.8 5.8 23.1 31 3.1 0.0 0.0  65 2 2 aug thu 93.0 75.3 466.6 7.7 18.8 35 4.9 0.0 0.0  66 2 2 sep fri 92.4 117.9 668.0 12.2 19.6 33 5.4 0.0 0.0  67 2 2 sep fri 92.4 117.9 668.0 12.2 19.6 33 5.4 0.0 0.0  68 2 2 sep fri 92.4 117.9 668.0 12.2 19.6 33 5.4 0.0 0.0  69 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 91.7 33.3 77.5 9.0 17.2 26 4.5 0.0 0.0  71 4 5 sep fri 94.3 85.1 692.3 15.9 17.7 37 3.6 0.0 0.0  72 5 4 mar fri 91.7 33.3 77.5 9.0 15.6 25 6.3 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
42 4 4 8 sep sat 92.5 88.0 698.6 7.1 19.6 48 2.7 0.0 0.0  43 4 4 sep wed 90.1 82.9 735.7 62 12.9 74 4.9 0.0 0.0  44 4 4 sep wed 90.1 82.9 735.7 62 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  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 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  55 4 3 sep thu 92.9 137.0 706.4 9.2 27.7 24 2.2 0.0 0.0  55 4 3 sep thu 92.9 137.0 706.4 9.2 17.7 24 2.2 0.0 0.0  56 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 thu 92.9 137.0 706.4 9.2 17.7 24 2.2 0.0 0.0  56 4 3 sep thu 92.9 137.0 706.4 9.2 17.7 24 2.2 0.0 0.0  56 4 3 sep thu 92.9 137.0 706.4 9.2 17.7 24 2.2 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 2 2 feb mon 84.0 9.3 34.0 2.1 13.9 40 5.4 0.0 0.0  59 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 5.5 59 6.3 0.0 0.0  61 2 2 mar sun 89.3 51.3 102.2 9.6 5.5 59 6.3 0.0 0.0  62 2 aug sun 90.2 99.6 631.2 6.3 20.8 33 2.7 0.0 0.0  63 2 2 aug sun 90.2 99.6 631.2 6.3 20.8 33 2.7 0.0 0.0  64 2 2 aug mon 91.1 10.3 638.8 5.8 23.1 31 3.1 0.0 0.0  65 2 2 sep fri 92.4 117.9 668.0 12.2 19.6 33 5.4 0.0 0.0  66 2 2 sep fri 92.4 117.9 668.0 12.2 19.6 33 5.4 0.0 0.0  67 2 2 sep fri 92.4 117.9 668.0 12.2 19.6 33 5.4 0.0 0.0  68 2 2 sep fri 94.3 18.7 668.0 12.2 19.6 33 5.4 0.0 0.0  69 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 91.7 33.3 77.5 9.0 17.2 26 4.5 0.0 0.0  71 4 5 sep fri 94.3 85.1 692.3 15.9 17.7 37 3.6 0.0 0.0  72 5 4 mar fri 91.7 33.3 77.5 9.0 17.6 25 6.3 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
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 62 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 63 21.5 34 22 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  55 4 3 sep thu 92.9 137.0 706.4 9.2 27.7 24 2.2 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  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 2 2 feb mon 84.0 9.3 34.0 2.1 13.9 40 5.4 0.0 0.0  58 2 2 feb fri 86.6 13.2 43.0 5.3 12.3 51 0.9 0.0 0.0  56 2 2 aug thu 93.0 75.3 466.6 7.7 18.8 35 4.9 0.0 0.0  60 2 2 mar sun 89.3 51.3 102.2 9.6 5.5 59 6.3 0.0 0.0  61 2 2 aug mon 91.1 103.2 638.8 5.8 23.1 31 3.1 0.0 0.0  62 2 aug thu 91.7 114.3 661.3 6.3 18.6 44 4.5 0.0 0.0  63 2 2 aug thu 91.7 114.3 661.3 6.3 18.6 44 4.5 0.0 0.0  64 2 2 sep fri 92.4 117.9 668.0 12.2 19.6 33 5.4 0.0 0.0  65 2 2 sep fri 92.4 117.9 668.0 12.2 19.6 33 5.4 0.0 0.0  66 2 2 sep fri 92.4 117.9 668.0 12.2 19.6 33 5.4 0.0 0.0  67 2 2 sep fri 92.4 117.9 668.0 12.2 19.6 33 5.4 0.0 0.0  68 2 2 sep fri 92.4 117.9 668.0 12.2 19.6 33 5.4 0.0 0.0  69 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 91.7 33.3 77.5 9.0 17.2 26 4.5 0.0 0.0  71 4 5 sep fri 94.3 85.1 692.3 15.9 17.7 37 3.6 0.0 0.0  72 5 4 mar fri 91.7 33.3 77.5 9.0 15.6 25 6.3 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
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 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 thu 92.9 137.0 706.4 9.2 27.7 24 2.2 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 2 2 feb mon 84.0 9.3 34.0 2.1 13.9 40 5.4 0.0 0.0 59 2 2 feb fri 86.6 13.2 43.0 5.3 12.3 51 0.9 0.0 0.0 56 2 2 aug thu 93.0 75.3 466.6 7.7 18.8 35 4.9 0.0 0.0 66 2 2 mar sun 89.3 51.3 102.2 9.6 5.5 59 6.3 0.0 0.0 67 2 2 aug thu 91.7 114.3 661.3 6.3 18.6 44 4.5 0.0 0.0 68 2 2 sep fri 92.4 117.9 668.0 12.2 23.0 37 4.5 0.0 0.0 68 2 2 sep fri 92.4 117.9 668.0 12.2 19.6 33 5.4 0.0 0.0 69 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 91.7 33.3 77.5 9.0 17.5 25 6.3 0.0 0.0 71 4 5 sep fri 94.3 85.1 692.3 15.9 17.7 37 3.6 0.0 0.0 71 4 5 sep fri 94.3 85.1 692.3 15.9 17.7 37 3.6 0.0 0.0 71 4 5 sep fri 94.3 85.1 692.3 15.9 17.7 37 3.6 0.0 0.0 71 4 5 sep fri 94.3 85.1 692.3 15.9 17.7 37 3.6 0.0 0.0 71 5 4 mar fri 91.7 33.3 77.5 9.0 15.6 25 6.3 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
45 5 6 sep wed 94.3 85.1 692.3 15.9 25.9 24 4.0 0.0 0.0 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 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 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 0.0 0.0 0.0 0.0 0.0 0.0 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
46 5 6 sep mon 90.9 126.5 686.5 7.0 14.7 70 3.6 0.0 0.0 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 0.0 0.0 0.0 0.0 0.0 0.0 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
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 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 55 4 3 sep thu 92.9 137.0 706.4 9.2 27.7 24 2.2 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 2 2 feb mon 84.0 9.3 34.0 2.1 13.9 40 5.4 0.0 0.0 59 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 2 2 mar sun 89.3 51.3 102.2 9.6 11.5 39 5.8 0.0 0.0 62 2 aug thu 93.0 75.3 466.6 7.7 18.8 35 4.9 0.0 0.0 63 2 2 aug thu 93.0 75.3 466.6 7.7 18.8 35 4.9 0.0 0.0 64 2 2 sep fri 92.4 117.9 668.0 12.2 23.0 37 4.5 0.0 0.0 65 2 2 sep fri 92.4 117.9 668.0 12.2 19.6 33 5.4 0.0 0.0 66 2 2 sep fri 92.4 117.9 668.0 12.2 19.6 33 5.4 0.0 0.0 67 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 91.7 33.3 77.5 9.0 17.2 26 4.5 0.0 0.0 71 4 5 sep fri 94.3 85.1 692.3 15.9 17.7 37 3.6 0.0 0.0 71 4 5 sep fri 94.3 85.1 692.3 15.9 17.7 37 3.6 0.0 0.0 72 5 4 mar fri 91.7 33.3 77.5 9.0 15.6 25 6.3 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
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 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  55 4 3 sep thu 92.9 137.0 706.4 9.2 27.7 24 2.2 0.0 0.0  55 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 2 2 feb mon 84.0 9.3 34.0 2.1 13.9 40 5.4 0.0 0.0  59 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 2 2 mar sun 89.3 51.3 102.2 9.6 11.5 39 5.8 0.0 0.0  62 2 2 aug thu 93.0 75.3 466.6 7.7 18.8 35 4.9 0.0 0.0  63 2 2 aug sun 90.2 99.6 631.2 6.3 20.8 33 2.7 0.0 0.0  64 2 2 aug mon 91.1 103.2 638.8 5.8 23.1 31 3.1 0.0 0.0  65 2 2 aug thu 91.7 114.3 661.3 6.3 18.6 44 4.5 0.0 0.0  66 2 2 sep fri 92.4 117.9 668.0 12.2 19.6 33 5.4 0.0 0.0  67 2 2 sep fri 92.4 117.9 668.0 12.2 19.6 33 5.4 0.0 0.0  68 2 2 sep fri 92.4 117.9 668.0 12.2 19.6 33 5.4 0.0 0.0  69 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 91.7 33.3 77.5 9.0 15.6 25 6.3 0.0 0.0  71 4 5 sep fri 94.3 85.1 692.3 15.9 17.7 37 3.6 0.0 0.0  71 4 5 sep fri 94.3 85.1 692.3 15.9 17.7 37 3.6 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
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           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         thu         90.3         80.7         730	47	6	6	jul	mon	94.2	62.3	442.9	11.0	23.0	36	3.1	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           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         tu         90.3         80.7         730.2         6.3         17.8         63         4.9         0.0         0.0           57         4         3         oct         sun         92.6         651.8         8.8	48	4	4	mar	mon	87.2	23.9	64.7	4.1	11.8	35	1.8	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         thu         91.7         114.3         661.3         6.3         17.6         45         3.6         0.0         0.0           54         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         2         2         feb         mn         84.0         9.3         34.0 </th <th>49</th> <th>4</th> <th>4</th> <th>mar</th> <th>mon</th> <th>87.6</th> <th>52.2</th> <th>103.8</th> <th>5.0</th> <th>11.0</th> <th>46</th> <th>5.8</th> <th>0.0</th> <th>0.0</th>	49	4	4	mar	mon	87.6	52.2	103.8	5.0	11.0	46	5.8	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         2         2         feb         fri         86.6         13.2         43.	50	4	4	sep	thu	92.9	137.0	706.4	9.2	20.8	17	1.3	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         2         2         feb         mon         84.0         9.3         34.0         2.1         13.9         40         5.4         0.0         0.0           59         2         2         feb         fri         86.6         13.2         43.0 </th <th>51</th> <th>4</th> <th>3</th> <th>aug</th> <th>sun</th> <th>90.2</th> <th>99.6</th> <th>631.2</th> <th>6.3</th> <th>21.5</th> <th>34</th> <th>2.2</th> <th>0.0</th> <th>0.0</th>	51	4	3	aug	sun	90.2	99.6	631.2	6.3	21.5	34	2.2	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         2         feb         fri         86.6         13.2         43.0         5.3         12.3         51         0.9         0.0         0.0           60         2         mar         sun         89.3         51.3         102.2         9.6         5.5         59         6.3         0.0         0.0           61         2         aug         thu         93.0         75.3         466.6         7.7         18.8 <t< th=""><th>52</th><th>4</th><th>3</th><th>aug</th><th>wed</th><th>92.1</th><th>111.2</th><th>654.1</th><th>9.6</th><th>20.4</th><th>42</th><th>4.9</th><th>0.0</th><th>0.0</th></t<>	52	4	3	aug	wed	92.1	111.2	654.1	9.6	20.4	42	4.9	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         2         2         feb         mon         84.0         9.3         34.0         2.1         13.9         40         5.4         0.0         0.0           59         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         5.5         59         6.3         0.0         0.0           61         2         2         aug         thu         93.0         75.3         466.6	53	4	3	aug	wed	92.1	111.2	654.1	9.6	20.4	42	4.9	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         2         2         feb         mon         84.0         9.3         34.0         2.1         13.9         40         5.4         0.0         0.0           59         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         2         2         mar         sun         89.3         51.3         102.2         9.6         5.5         59         6.3         0.0         0.0           62         2         aug         thu         93.0         75.3         466.6         7.7         18.8<	54	4	3	aug	thu	91.7	114.3	661.3	6.3	17.6	45	3.6	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         2         2         feb         mon         84.0         9.3         34.0         2.1         13.9         40         5.4         0.0         0.0           59         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         2         2         mar         sun         89.3         51.3         102.2         9.6         5.5         59         6.3         0.0         0.0           62         2         aug         thu         93.0         75.3         466.6         7.7         18.8         35         4.9         0.0         0.0           63         2         2         aug         mon         91.1         103.2         638.8         5.8 <th>55</th> <th>4</th> <th>3</th> <th>sep</th> <th>thu</th> <th>92.9</th> <th>137.0</th> <th>706.4</th> <th>9.2</th> <th>27.7</th> <th>24</th> <th>2.2</th> <th>0.0</th> <th>0.0</th>	55	4	3	sep	thu	92.9	137.0	706.4	9.2	27.7	24	2.2	0.0	0.0
58         2         2         feb mon         84.0         9.3         34.0         2.1         13.9         40         5.4         0.0         0.0           59         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         2         2         mar sun         89.3         51.3         102.2         9.6         5.5         59         6.3         0.0         0.0           62         2         2         aug thu         93.0         75.3         466.6         7.7         18.8         35         4.9         0.0         0.0           63         2         2         aug sun         90.2         99.6         631.2         6.3         20.8         33         2.7         0.0         0.0           64         2         2         aug mon         91.1         103.2         638.8         5.8         23.1         31         3.1         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
59         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         2         2         mar         sun         89.3         51.3         102.2         9.6         5.5         59         6.3         0.0         0.0           62         2         2         aug         thu         93.0         75.3         466.6         7.7         18.8         35         4.9         0.0         0.0           63         2         2         aug         sun         90.2         99.6         631.2         6.3         20.8         33         2.7         0.0         0.0           64         2         2         aug         mon         91.1         103.2         638.8         5.8         23.1         31         3.1         0.0         0.0           65         2         2         aug         fri         92.4         117.9         668.0 </th <th>57</th> <th>4</th> <th>3</th> <th>oct</th> <th>sun</th> <th>92.6</th> <th>46.5</th> <th>691.8</th> <th>8.8</th> <th>13.8</th> <th>50</th> <th>2.7</th> <th>0.0</th> <th>0.0</th>	57	4	3	oct	sun	92.6	46.5	691.8	8.8	13.8	50	2.7	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 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	58	2	2	feb	mon	84.0	9.3	34.0	2.1	13.9	40	5.4	0.0	0.0
61       2       2       mar       sun       89.3       51.3       102.2       9.6       5.5       59       6.3       0.0       0.0         62       2       2       aug       thu       93.0       75.3       466.6       7.7       18.8       35       4.9       0.0       0.0         63       2       2       aug       sun       90.2       99.6       631.2       6.3       20.8       33       2.7       0.0       0.0         64       2       2       aug       mon       91.1       103.2       638.8       5.8       23.1       31       3.1       0.0       0.0         65       2       2       aug       thu       91.7       114.3       661.3       6.3       18.6       44       4.5       0.0       0.0         66       2       2       sep       fri       92.4       117.9       668.0       12.2       23.0       37       4.5       0.0       0.0         67       2       2       sep       fri       92.4       117.9       668.0       12.2       19.6       33       5.4       0.0       0.0         69       4 <th>59</th> <th>2</th> <th>2</th> <th>feb</th> <th>fri</th> <th>86.6</th> <th>13.2</th> <th>43.0</th> <th>5.3</th> <th>12.3</th> <th>51</th> <th>0.9</th> <th>0.0</th> <th>0.0</th>	59	2	2	feb	fri	86.6	13.2	43.0	5.3	12.3	51	0.9	0.0	0.0
62       2       2       aug       thu       93.0       75.3       466.6       7.7       18.8       35       4.9       0.0       0.0         63       2       2       aug       sun       90.2       99.6       631.2       6.3       20.8       33       2.7       0.0       0.0         64       2       2       aug       mon       91.1       103.2       638.8       5.8       23.1       31       3.1       0.0       0.0         65       2       2       aug       thu       91.7       114.3       661.3       6.3       18.6       44       4.5       0.0       0.0         66       2       2       sep       fri       92.4       117.9       668.0       12.2       23.0       37       4.5       0.0       0.0         67       2       2       sep       fri       92.4       117.9       668.0       12.2       19.6       33       5.4       0.0       0.0         68       2       2       sep       fri       92.4       117.9       668.0       12.2       19.6       33       6.3       0.0       0.0         70       4	60	2	2	mar	sun	89.3	51.3	102.2	9.6	11.5	39	5.8	0.0	0.0
63 2 2 aug sun 90.2 99.6 631.2 6.3 20.8 33 2.7 0.0 0.0 64 2 2 aug mon 91.1 103.2 638.8 5.8 23.1 31 3.1 0.0 0.0 65 2 2 aug thu 91.7 114.3 661.3 6.3 18.6 44 4.5 0.0 0.0 66 2 2 sep fri 92.4 117.9 668.0 12.2 23.0 37 4.5 0.0 0.0 67 2 2 sep fri 92.4 117.9 668.0 12.2 19.6 33 5.4 0.0 0.0 68 2 2 sep fri 92.4 117.9 668.0 12.2 19.6 33 6.3 0.0 0.0 69 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 4 5 sep fri 94.3 85.1 692.3 15.9 17.7 37 3.6 0.0 0.0 72 5 4 mar fri 91.7 33.3 77.5 9.0 15.6 25 6.3 0.0 0.0	61	2	2	mar	sun	89.3	51.3	102.2	9.6	5.5	59	6.3	0.0	0.0
64       2       2       aug mon       91.1       103.2       638.8       5.8       23.1       31       3.1       0.0       0.0         65       2       2       aug thu       91.7       114.3       661.3       6.3       18.6       44       4.5       0.0       0.0         66       2       2       sep fri       92.4       117.9       668.0       12.2       23.0       37       4.5       0.0       0.0         67       2       2       sep fri       92.4       117.9       668.0       12.2       19.6       33       5.4       0.0       0.0         68       2       2       sep fri       92.4       117.9       668.0       12.2       19.6       33       6.3       0.0       0.0         69       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       4       5       sep fri       94.3       85.1       692.3	62	2	2	aug	thu	93.0	75.3	466.6	7.7	18.8	35	4.9	0.0	0.0
65 2 2 aug thu 91.7 114.3 661.3 6.3 18.6 44 4.5 0.0 0.0 66 2 2 sep fri 92.4 117.9 668.0 12.2 23.0 37 4.5 0.0 0.0 67 2 2 sep fri 92.4 117.9 668.0 12.2 19.6 33 5.4 0.0 0.0 68 2 2 sep fri 92.4 117.9 668.0 12.2 19.6 33 6.3 0.0 0.0 69 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 4 5 sep fri 94.3 85.1 692.3 15.9 17.7 37 3.6 0.0 0.0 72 5 4 mar fri 91.7 33.3 77.5 9.0 15.6 25 6.3 0.0 0.0	63	2	2	aug	sun	90.2	99.6	631.2	6.3	20.8	33	2.7	0.0	0.0
66       2       2       sep       fri       92.4       117.9       668.0       12.2       23.0       37       4.5       0.0       0.0         67       2       2       sep       fri       92.4       117.9       668.0       12.2       19.6       33       5.4       0.0       0.0         68       2       2       sep       fri       92.4       117.9       668.0       12.2       19.6       33       6.3       0.0       0.0         69       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       4       5       sep       fri       94.3       85.1       692.3       15.9       17.7       37       3.6       0.0       0.0         72       5       4       mar       fri       91.7       33.3       77.5       9.0       15.6       25       6.3       0.0       0.0	64	2	2	aug	mon	91.1	103.2	638.8	5.8	23.1	31	3.1	0.0	0.0
67 2 2 sep fri 92.4 117.9 668.0 12.2 19.6 33 5.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	65	2	2	aug	thu	91.7	114.3	661.3	6.3	18.6	44	4.5	0.0	0.0
68       2       2       sep       fri       92.4       117.9       668.0       12.2       19.6       33       6.3       0.0       0.0         69       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       4       5       sep       fri       94.3       85.1       692.3       15.9       17.7       37       3.6       0.0       0.0         72       5       4       mar       fri       91.7       33.3       77.5       9.0       15.6       25       6.3       0.0       0.0	66	2	2	sep	fri	92.4	117.9	668.0	12.2	23.0	37	4.5	0.0	0.0
69       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       4       5       sep       fri       94.3       85.1       692.3       15.9       17.7       37       3.6       0.0       0.0         72       5       4       mar       fri       91.7       33.3       77.5       9.0       15.6       25       6.3       0.0       0.0	67	2	2	sep	fri	92.4	117.9	668.0	12.2	19.6	33	5.4	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       4       5       sep       fri       94.3       85.1       692.3       15.9       17.7       37       3.6       0.0       0.0         72       5       4       mar       fri       91.7       33.3       77.5       9.0       15.6       25       6.3       0.0       0.0	68	2	2	sep	fri	92.4	117.9	668.0	12.2	19.6	33	6.3	0.0	0.0
<b>71</b> 4 5 sep fri 94.3 85.1 692.3 15.9 17.7 37 3.6 0.0 0.0 <b>72</b> 5 4 mar fri 91.7 33.3 77.5 9.0 15.6 25 6.3 0.0 0.0	69	4	5	mar	fri	91.7	33.3	77.5	9.0	17.2	26	4.5	0.0	0.0
72 5 4 mar fri 91.7 33.3 77.5 9.0 15.6 25 6.3 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	4	5	sep	fri	94.3	85.1	692.3	15.9	17.7	37	3.6	0.0	0.0
<b>73</b> 5 4 aug tue 88.8 147.3 614.5 9.0 17.3 43 4.5 0.0 0.0	72	5	4	mar	fri	91.7	33.3	77.5	9.0	15.6	25	6.3	0.0	0.0
	73	5	4	aug	tue	88.8	147.3	614.5	9.0	17.3	43	4.5	0.0	0.0

74	5	4	sep	fri	93.3	141.2	713.9	13.9	27.6	30	1.3	0.0	0.0
75	9	9	feb	thu	84.2	6.8	26.6	7.7	6.7	79	3.1	0.0	0.0
76	9	9	feb	fri	86.6	13.2	43.0	5.3	15.7	43	3.1	0.0	0.0
77	1	3	mar	mon	87.6	52.2	103.8	5.0	8.3	72	3.1	0.0	0.0
78	1	2	aug	fri	90.1	108.0	529.8	12.5	14.7	66	2.7	0.0	0.0
79	1	2	aug	tue	91.0	121.2	561.6	7.0	21.6	19	6.7	0.0	0.0
80	1	2	aug	sun	91.4	142.4	601.4	10.6	19.5	39	6.3	0.0	0.0
81	1	2	aug	sun	90.2	99.6	631.2	6.3	17.9	44	2.2	0.0	0.0
82	1	2	aug	tue	94.8	108.3	647.1	17.0	18.6	51	4.5	0.0	0.0
83	1	2	aug	wed	92.1	111.2	654.1	9.6	16.6	47	0.9	0.0	0.0
84	1	2	aug	thu	91.7	114.3	661.3	6.3	20.2	45	3.6	0.0	0.0
85	1	2	sep	thu	92.9	137.0	706.4	9.2	21.5	15	0.9	0.0	0.0
86	1	2	sep	thu	92.9	137.0	706.4	9.2	25.4	27	2.2	0.0	0.0
87	1	2	sep	thu	92.9	137.0	706.4	9.2	22.4	34	2.2	0.0	0.0
88	1	2	sep	sun	93.5	149.3	728.6	8.1	25.3	36	3.6	0.0	0.0
89	6	5	mar	sat	91.7	35.8	80.8	7.8	17.4	25	4.9	0.0	0.0
90	6	5	aug	sat	90.2	96.9	624.2	8.9	14.7	59	5.8	0.0	0.0
91	8	6	mar	fri	91.7	35.8	80.8	7.8	17.4	24	5.4	0.0	0.0
92	8	6	aug	sun	92.3	85.3	488.0	14.7	20.8	32	6.3	0.0	0.0
93	8	6	aug	sun	91.4	142.4	601.4	10.6	18.2	43	4.9	0.0	0.0
94	8	6	aug	mon	91.1	103.2	638.8	5.8	23.4	22	2.7	0.0	0.0
95	4	4	sep	sun	89.7	90.0	704.4	4.8	17.8	64	1.3	0.0	0.0
96	3	4	feb	sat	83.9	8.0	30.2	2.6	12.7	48	1.8	0.0	0.0
97	3	4	mar	sat	69.0	2.4	15.5	0.7	17.4	24	5.4	0.0	0.0
98	3	4	aug	sun	91.4	142.4	601.4	10.6	11.6	87	4.5	0.0	0.0
99	3	4	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
107 108	4	5	aug	sun	90.2 92.5	99.6 88.0	631.2 698.6	6.3 7.1	21.4	33 45	3.1	0.0	0.0
109	4	5	•	mon	88.6	91.8	709.9	7.1	17.4	56	5.4	0.0	0.0
110	4	4	sep	fri	85.9	19.5	57.3	2.8	13.7	43	5.4	0.0	0.0
110	7	7	mai	111	33.9	10.0	د. ، د	۷.0	13.1	<del>-1</del> 3	5.0	0.0	0.0

	X	Y	month	day	FFMC	DMC	DC	ISI	temp	RH	wind	rain	output
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	52.2	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	37.9	673.8	5.2	15.9	46	3.6	0.0	0.0
129	2	5	oct	sun	92.6	46.5	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	6	sep	thu	93.7	80.9	685.2	17.9	17.6	42	3.1	0.0	0.0
134	3	5	mar	tue	88.1	25.7	67.6	3.8	14.9	38	2.7	0.0	0.0
135	3	5	aug	sat	93.5	139.4	594.2	20.3	17.6	52	5.8	0.0	0.0
136	3	6	sep	sun	92.4	124.1	680.7	8.5	17.2	58	1.3	0.0	0.0
137	3	6	sep	mon	90.9	126.5	686.5	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
140	2	5	sep	mon	90.9	126.5	686.5	7.0	21.9	39	1.8	0.0	1.0
141	1	2	aug	wed	95.5	99.9	513.3	13.2	23.3	31	4.5	0.0	1.0
142	8	6	aug	fri	90.1	108.0	529.8	12.5	21.2	51	8.9	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
147	8	3	sep	tue	84.4	73.4	671.9	3.2	24.2	28	3.6	0.0	1.0

148	2	2	aug	tue	94.8	108.3	647.1	17.0	17.4	43	6.7	0.0	1.0
149	8	6	sep	thu	93.7	80.9	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	68.6	355.2	7.2	24.8	29	2.2	0.0	1.0
152	3	4	jul	sat	90.1	51.2	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	145.4	721.4	8.1	29.6	27	2.7	0.0	1.0
155	7	4	aug	sun	94.8	108.3	647.1	17.0	16.4	47	1.3	0.0	1.0
156	2	4	sep	sat	93.4	145.4	721.4	8.1	28.6	27	2.2	0.0	1.0
157	2	2	aug	wed	92.1	111.2	654.1	9.6	18.4	45	3.6	0.0	1.0
158	2	4	aug	wed	92.1	111.2	654.1	9.6	20.5	35	4.0	0.0	1.0
159	7	4	sep	fri	92.4	117.9	668.0	12.2	19.0	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	95.2	131.7	578.8	10.4	20.3	41	4.0	0.0	1.0
162	6	3	mar	sat	90.6	50.1	100.4	7.8	15.2	31	8.5	0.0	1.0
163	8	6	sep	sat	92.5	121.1	674.4	8.6	17.8	56	1.8	0.0	1.0
164	8	5	sep	sun	89.7	90.0	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	92.1	111.2	654.1	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	6	aug	fri	93.9	135.7	586.7	15.1	20.8	34	4.9	0.0	1.0

186         2         5         sep         tue         91.0         129.5         692.6         7.0         17.6         46         3.1         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         0.0         1.0           189         7         4         mar         sun         90.7         44.0         92.4         5.5         11.5         60         4.0         0.0         1.0           191         2         5         mag         ftu         92.2         13.3         69.6         92.2         24.2         24.5         0.0         1.0           191         2         5         sag         ftu         91.8         18.3         64.7         17.0         24.6         22         4.5         0.0         1.0           192         2         3         aug         fti         93.3         18.7         75.2         2.7         <		X	Y	month	day	FFMC	DMC	DC	ISI	temp	RH	wind	rain	output
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         sin         90.7         44.0         92.4         5.5         11.5         60         4.0         0.0         1.0           191         2         5         aug         thu         95.2         131.7         578.8         10.4         24.2         2.8         2.7         0.0         1.0           191         2         2         aug         thu         95.2         133.3         69.6         9.2         24.3         25         4.0         0.0         1.0           191         2         5         sep         wed         92.9         135.7         58.7         15.1         23.5         36         54.0         0.0         1.0           192         2         4         sep         thu         91.9         135.7         58.7	185	2	5	sep	tue	91.0	129.5	692.6	7.0	17.6	46	3.1	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         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         92         24.3         25         4.0         0.0         1.0           194         2         2         aug         fri         93.9         135.7         586.7         15.1         23.5         36         5.4         0.0         1.0           195         2         5         aug         fri         93.9         137.0         <	186	8	6	mar	sun	89.3	51.3	102.2	9.6	11.5	39	5.8	0.0	1.0
188         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         ffi         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           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         94.8         108.3         647.1         17.0         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           197         4         5         sep         thu         92.9         137.0	187	1	5	sep	mon	90.9	126.5	686.5	7.0	21.0	42	2.2	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           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         94.8         108.3         647.1         17.0         24.6         22         4.5         0.0         1.0           195         2         2         aug         fri         93.9         135.7         586.7         15.1         23.5         36         5.4         0.0         1.0           196         5         sep         thu         91.9         13.0         706.4         92.2         21.5         15         0.9         0.0         1.0           197         4         5         sep         thu         91.0         12.5         692.6	188	6	4	mar	sat	90.8	41.9	89.4	7.9	13.3	42	0.9	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 94.8 108.3 647.1 17.0 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 9.1 55.2 2.7 5.8 54 5.8 0.0 1.0 197 4 5 sep tue 91.0 129.5 692.6 7.0 13.9 59 6.3 0.0 1.0 198 3 4 sep tue 91.0 129.5 692.6 7.0 13.9 59 6.3 0.0 1.0 199 2 4 sep mon 63.5 70.8 665.3 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 1.0 205 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 1.0 209 8 3 sep thu 93.7 80.9 685.2 17.9 23.2 26 4.9 0.0 1.0 210 7 4 aug sat 93.5 139.4 594.2 20.3 22.9 31 7.2 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 aug sat 93.5 139.4 594.2 20.3 5.1 96 5.8 0.0 1.0 213 7 3 mar mon 87.6 52.2 103.8 5.0 11.0 46 5.8 0.0 1.0 214 4 aug sat 93.5 139.4 594.2 20.3 5.1 96 5.8 0.0 1.0 215 4 aug sat 93.5 139.8 594.2 20.3 5.1 96 5.8 0.0 1.0 216 4 aug sat 93.5 139.8 594.2 20.3 5.1 96 5.8 0.0 1.0 217 7 3 sep fri 94.3 85.1 692.3 15.9 20.1 47 4.9 0.0 1.0 218 4 aug sat 93.5 139.8 594.8 7.8 17.0 27 4.9 0.0 1.0 219 5 4 aug sat 93.5 139.8 594.8 7.8 17.0 27 4.9 0.0 1.0 210 6 5 mar mon 87.6 52.2 103.8 5.0 11.0 46 5.8 0.0 1.0 211 7 3 sep mon 88.6 91.8 70.9 71.1 12.4 73 6.3 0.0 1.0 212 6 5 mar mon 90.1 39.8 80.8 78.1 79.0 27 4.9 0.0 1.0 213 7 5 mar mon 80.6 52.2 103.8 5.0 11.0 46 5.8 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
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           195         2         2         aug         fti         93.9         135.7         586.7         15.1         23.5         36         5.4         0.0         1.0           196         6         5         apr         thu         81.5         9.1         55.2         2.7         5.8         54         5.8         0.0         1.0           197         4         5         sep         thu         92.9         137.0         706.4         9.2         21.5         15         0.9         0.0         1.0           199         2         4         sep         thu         92.9         137.0         708.6         92.2         21.5         15         0.9         0.0         1.0           190         2         4         5         sep         tue         91.0 <t< th=""><th>190</th><th>6</th><th>5</th><th>mar</th><th>fri</th><th>91.2</th><th>48.3</th><th>97.8</th><th>12.5</th><th>11.7</th><th>33</th><th>4.0</th><th>0.0</th><th>1.0</th></t<>	190	6	5	mar	fri	91.2	48.3	97.8	12.5	11.7	33	4.0	0.0	1.0
193	191	2	5	aug	thu	95.2	131.7	578.8	10.4	24.2	28	2.7	0.0	1.0
194         2         2         aug         tue         94.8         108.3         647.1         17.0         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         92.9         137.0         706.4         9.2         21.5         15         0.9         0.0         1.0           198         3         4         sep         tue         91.0         129.5         692.6         7.0         13.9         59         6.3         0.0         1.0           199         2         4         sep         tue         91.0         129.5         692.6         7.0         21.6         33         2.2         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           200         7         4         feb         sun         83.9         8.7	192	2	2	aug	tue	94.8	108.3	647.1	17.0	24.6	22	4.5	0.0	1.0
195	193	4	5	sep	wed	92.9	133.3	699.6	9.2	24.3	25	4.0	0.0	1.0
196         6         5         apr         thu         81.5         9.1         55.2         2.7         5.8         54         5.8         0.0         1.0           197         4         5         sep         thu         92.9         137.0         706.4         9.2         21.5         15         0.9         0.0         1.0           198         3         4         sep         tue         91.0         129.5         692.6         7.0         13.9         59         6.3         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         83.9         8.7         32.1         2.1         8.8         68         2.2         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<	194	2	2	aug	tue	94.8	108.3	647.1	17.0	24.6	22	4.5	0.0	1.0
197         4         5         sep         thu         92.9         137.0         706.4         9.2         21.5         15         0.9         0.0         1.0           198         3         4         sep         tue         91.0         129.5         692.6         7.0         13.9         59         6.3         0.0         1.0           199         2         4         sep         mon         63.5         70.8         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         83.7         32.1         2.1         88         68         2.2         0.0         1.0           202         7         4         feb         sun         83.7         93.2         22.2         20.2         37         2.7         0.0         1.0           203         8         6         oct         wed         91.4         37.9         692.2         22.1 <th< th=""><th>195</th><th>2</th><th>5</th><th>aug</th><th>fri</th><th>93.9</th><th>135.7</th><th>586.7</th><th>15.1</th><th>23.5</th><th>36</th><th>5.4</th><th>0.0</th><th>1.0</th></th<>	195	2	5	aug	fri	93.9	135.7	586.7	15.1	23.5	36	5.4	0.0	1.0
198         3         4         sep         tue         91.0         129.5         692.6         7.0         13.9         59         6.3         0.0         1.0           199         2         4         sep         mon         63.5         70.8         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         83.9         8.7         32.1         2.1         8.8         68         2.2         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         sep         thu         92.9         137.0         706.4 <th< th=""><th>196</th><th>6</th><th>5</th><th>apr</th><th>thu</th><th>81.5</th><th>9.1</th><th>55.2</th><th>2.7</th><th>5.8</th><th>54</th><th>5.8</th><th>0.0</th><th>1.0</th></th<>	196	6	5	apr	thu	81.5	9.1	55.2	2.7	5.8	54	5.8	0.0	1.0
199 2 4 sep mon 63.5 70.8 665.3 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 1.0 205 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 mar mon 87.6 52.2 103.8 5.0 11.0 46 5.8 0.0 1.0 214 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 1.0 216 4 5 sep wed 92.9 133.3 699.6 9.2 19.4 19 1.3 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 mar mon 90.1 39.7 86.6 6.2 15.2 27 3.1 0.0 1.0 219 6 5 mar mon 90.1 39.7 86.6 6.2 15.2 27 3.1 0.0 1.0 219 6 5 mar mon 90.1 39.7 86.6 6.2 15.2 27 3.1 0.0 1.0 219 6 5 mar mon 90.1 39.7 86.6 6.2 15.2 27 3.1 0.0 1.0 219 6 5 mar mon 90.1 39.7 86.6 6.2 15.2 27 3.1 0.0 1.0 219 6 5 mar mon 90.1 39.7 86.6 6.2 15.2 27 3.1 0.0 1.0 219 6 5 mar mon 90.1 39.7 86.6 6.2 15.2 27 3.1 0.0 1.0 219 6 5 mar mon 90.1 39.7 86.6 6.2 15.2 27 3.1 0.0 1.0 210 210 6 5 mar mon 90.1 39.7 86.6 6.2 15.2 27 3.1 0.0 1.0 210 210 6 5 mar mon 90.1 39.7 86.6 6.2 15.2 27 3.1 0.0 1.0 210 210 6 5 mar mon 90.1 39.7 86.6 6.2 15.2 27 3.1 0.0 1.0 210 210 6 5 mar mon 90.1 39.7 86.6 6.2 15.2 27 3.1 0.0 1.0 210 210 6 5 mar mon 90.1 39.7 86.6 6.2 15.2 27 3.1 0.0 1.0 210 210 6 5 mar mon 90.1 39.7 86.6 6.2 15.2 27 3.1 0.0 1.0 210 210 6 5 mar mon 90.1 39.7 86.6 6.2 15.2 59 3.1 0.0 1.0 210 210 210 6 5 mar mon 90.1 39.7 86.6 6.2 15.2 27 3.1 0.0 1.0 210 2	197	4	5	sep	thu	92.9	137.0	706.4	9.2	21.5	15	0.9	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           205         4         5         sep         thu         92.9         137.0         706.4         9.2         22.1         34         1.8         0.0         1.0           207         7         5         sep         thu         93.5         139.4         5	198	3	4	sep	tue	91.0	129.5	692.6	7.0	13.9	59	6.3	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           205         4         5         sep         thu         92.9         137.0         706.4         9.2         22.1         34         1.8         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         6	199	2	4	sep	mon	63.5	70.8	665.3	0.8	22.6	38	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           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         true         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         <	200	1	5	sep	tue	91.0	129.5	692.6	7.0	21.6	33	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           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           210         4         4         oct         sat         90.6         43.7	201	6	5	mar	sun	90.1	37.6	83.7	7.2	12.4	54	3.6	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           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	202	7	4	feb	sun	83.9	8.7	32.1	2.1	8.8	68	2.2	0.0	1.0
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         sep         fri         94.3         85.1	203	8	6	oct	wed	91.4	37.9	673.8	5.2	20.2	37	2.7	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         sep         fri         94.3         85.1         692.3         15.9         20.1         47         4.9         0.0         1.0           213         7         3         mar         mon         87.6         52.2	204	5	6	mar	sat	90.6	50.1	100.4	7.8	15.1	64	4.0	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         mar         mon         87.6         52.2	205	4	5	sep	thu	92.9	137.0	706.4	9.2	22.1	34	1.8	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         mar         mon         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	206	2	2	aug	sat	93.5	139.4	594.2	20.3	22.9	31	7.2	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         mar         mon         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 <t< th=""><th>207</th><th>7</th><th>5</th><th>sep</th><th>tue</th><th>91.0</th><th>129.5</th><th>692.6</th><th>7.0</th><th>20.7</th><th>37</th><th>2.2</th><th>0.0</th><th>1.0</th></t<>	207	7	5	sep	tue	91.0	129.5	692.6	7.0	20.7	37	2.2	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       mar       mon       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	208	6	5	sep	fri	92.4	117.9	668.0	12.2	19.6	33	6.3	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       mar       mon       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	209	8	3	sep	thu	93.7	80.9	685.2	17.9	23.2	26	4.9	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       mar       mon       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	210	4	4	oct	sat	90.6	43.7	686.9	6.7	18.4	25	3.1	0.0	1.0
213       7       3       mar mon       87.6       52.2       103.8       5.0       11.0       46       5.8       0.0       1.0         214       4       4       4       91.7       35.8       80.8       7.8       17.0       27       4.9       0.0       1.0         215       4       4       4       5       50.0       1.0       27       4.9       0.0       1.0         216       4       4       5       5       10.0       1.0	211	7	4	aug	sat	93.5	139.4	594.2	20.3	5.1	96	5.8	0.0	1.0
214       4       4       4       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       mar       mon       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	212	7	4	sep	fri	94.3	85.1	692.3	15.9	20.1	47	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       mar       mon       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	213	7	3	mar	mon	87.6	52.2	103.8	5.0	11.0	46	5.8	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       mar       mon       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	214	4	4	mar	sat	91.7	35.8	80.8	7.8	17.0	27	4.9	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       mar mon       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	215	4	4	mar	sat	91.7	35.8	80.8	7.8	17.0	27	4.9	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       mar       mon       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	216	4	4	sep	sun	92.4	124.1	680.7	8.5	16.9	60	1.3	0.0	1.0
<b>219</b> 6 5 mar mon 90.1 39.7 86.6 6.2 15.2 27 3.1 0.0 1.0 <b>220</b> 8 6 aug sun 90.2 99.6 631.2 6.3 16.2 59 3.1 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
<b>220</b> 8 6 aug sun 90.2 99.6 631.2 6.3 16.2 59 3.1 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	mar	mon	90.1	39.7	86.6	6.2	15.2	27	3.1	0.0	1.0
<b>221</b> 3 4 sep fri 93.3 141.2 713.9 13.9 18.6 49 3.6 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

	X	Y	month	day	FFMC	DMC	DC	ISI	temp	RH	wind	rain	output
222	4	3	mar	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
226	7	5	oct	mon	91.7	48.5	696.1	11.1	16.1	44	4.0	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
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
232	6	4	sep	tue	91.0	129.5	692.6	7.0	18.7	43	2.7	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
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
236	2	2	sep	sat	92.5	121.1	674.4	8.6	18.2	46	1.8	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
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
240	6	3	apr	wed	88.0	17.2	43.5	3.8	15.2	51	2.7	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
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
244	2	4	aug	sun	91.8	175.1	700.7	13.8	22.4	54	7.6	0.0	1.0
245	3	4	aug	sun	91.8	175.1	700.7	13.8	26.8	38	6.3	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	6	aug	wed	93.1	157.3	666.7	13.5	28.7	28	2.7	0.0	0.0
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	sat	91.8	170.9	692.3	13.7	20.6	59	0.9	0.0	0.0

	X	Y	month	day	FFMC	DMC	DC	ISI	temp	RH	wind	rain	output
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
276	4	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
278	4	4	dec	mon	85.4	25.4	349.7	2.6	4.6	21	8.5	0.0	1.0
279	4	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	6	5	dec	tue	85.4	25.4	349.7	2.6	5.1	24	8.5	0.0	1.0
282	6	3	feb	sun	84.9	27.5	353.5	3.4	4.2	51	4.0	0.0	0.0
283	3	4	feb	wed	86.9	6.6	18.7	3.2	8.8	35	3.1	0.0	1.0
284	5	4	feb	fri	85.2	4.9	15.8	6.3	7.5	46	8.0	0.0	1.0
285	2	5	jul	sun	93.9	169.7	411.8	12.3	23.4	40	6.3	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
287	7	4	jul	sat	91.6	104.2	474.9	9.0	22.1	49	2.7	0.0	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	4	jul	sat	91.6	104.2	474.9	9.0	24.3	30	1.8	0.0	0.0
290	2	5	jul	sat	91.6	104.2	474.9	9.0	18.7	53	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
292	4	5	jul	fri	91.6	100.2	466.3	6.3	22.9	40	1.3	0.0	1.0
293	7	6	jul	tue	93.1	180.4	430.8	11.0	26.9	28	5.4	0.0	1.0
294	8	6	jul	tue	92.3	88.8	440.9	8.5	17.1	67	3.6	0.0	1.0
295	7	5	jun	sun	93.1	180.4	430.8	11.0	22.2	48	1.3	0.0	0.0

	X	Y	month	day	FFMC	DMC	DC	ISI	temp	RH	wind	rain	output
296	6	4	jun	sun	90.4	89.5	290.8	6.4	14.3	46	1.8	0.0	1.0
297	8	6	jun	sun	90.4	89.5	290.8	6.4	15.4	45	2.2	0.0	0.0
298	8	6	jun	wed	91.2	147.8	377.2	12.7	19.6	43	4.9	0.0	0.0
299	6	5	jun	sat	53.4	71.0	233.8	0.4	10.6	90	2.7	0.0	0.0
300	6	5	jun	mon	90.4	93.3	298.1	7.5	20.7	25	4.9	0.0	0.0
301	6	5	jun	mon	90.4	93.3	298.1	7.5	19.1	39	5.4	0.0	1.0
302	3	6	jun	fri	91.1	94.1	232.1	7.1	19.2	38	4.5	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
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	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	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	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
329	4	3	sep	sat	92.2	102.3	751.5	8.4	23.5	27	4.0	0.0	1.0
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	sat	91.2	124.4	795.3	8.5	17.1	41	2.2	0.0	1.0

	X	Y	month	day	FFMC	DMC	DC	ISI	temp	RH	wind	rain	output
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
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

	X	Y	month	day	FFMC	DMC	DC	ISI	temp	RH w	RH winid drainain utput put				
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	2	2	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	7	4	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		
396	4	3	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	2	2	aug	tue	94.6	212.1	680.9	9.5	27.9	27	2.2	0.0	0.0		
406	6	5	sep	sat	87.1	291.3	860.6	4.0	17.0	67	4.9	0.0	1.0		

407	4	5	feb	sat	84.7	8.2	55.0	2.9	14.2	46	4.0	0.0	0.0
408	4	3	sep	fri	90.3	290.0	855.3	7.4	19.9	44	3.1	0.0	1.0
409	1	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	4	feb	fri	84.6	3.2	43.6	3.3	8.2	53	9.4	0.0	1.0
412	9	4	jul	mon	92.3	92.1	442.1	9.8	22.8	27	4.5	0.0	1.0
413	7	5	aug	sat	93.7	231.1	715.1	8.4	26.4	33	3.6	0.0	0.0
414	5	4	aug	sun	93.6	235.1	723.1	10.1	24.1	50	4.0	0.0	0.0
415	8	6	aug	thu	94.8	222.4	698.6	13.9	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	4	aug	sun	92.0	203.2	664.5	8.1	24.9	42	5.4	0.0	1.0
419	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	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	90.7	80.9	368.3	16.8	14.8	78	8.0	0.0	0.0

	x	Y	month	day	FFMC	DMC	DC	ISI	temp	RH wiwioldrainaioutputput				
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	1	4	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	1	4	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	2	2	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	6	3	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	9	9	jul	thu	93.2	114.4	560.0	9.5	30.2	25	4.5	0.0	1.0	

	X	Y	month	day	FFMC	DMC	DC	ISI	temp	RH	wind	rain	output
481	4	3	jul	thu	93.2	114.4	560.0	9.5	30.2	22	4.9	0.0	0.0
482	3	4	aug	sun	94.9	130.3	587.1	14.1	23.4	40	5.8	0.0	1.0
483	8	6	aug	sun	94.9	130.3	587.1	14.1	31.0	27	5.4	0.0	0.0
484	2	5	aug	sun	94.9	130.3	587.1	14.1	33.1	25	4.0	0.0	1.0
485	2	4	aug	mon	95.0	135.5	596.3	21.3	30.6	28	3.6	0.0	1.0
486	5	4	aug	tue	95.1	141.3	605.8	17.7	24.1	43	6.3	0.0	1.0
487	5	4	aug	tue	95.1	141.3	605.8	17.7	26.4	34	3.6	0.0	1.0
488	4	4	aug	tue	95.1	141.3	605.8	17.7	19.4	71	7.6	0.0	1.0
489	4	4	aug	wed	95.1	141.3	605.8	17.7	20.6	58	1.3	0.0	0.0
490	4	4	aug	wed	95.1	141.3	605.8	17.7	28.7	33	4.0	0.0	0.0
491	4	4	aug	thu	95.8	152.0	624.1	13.8	32.4	21	4.5	0.0	0.0
492	1	3	aug	fri	95.9	158.0	633.6	11.3	32.4	27	2.2	0.0	0.0
493	1	3	aug	fri	95.9	158.0	633.6	11.3	27.5	29	4.5	0.0	1.0
494	6	6	aug	sat	96.0	164.0	643.0	14.0	30.8	30	4.9	0.0	1.0
495	6	6	aug	mon	96.2	175.5	661.8	16.8	23.9	42	2.2	0.0	0.0
496	4	5	aug	mon	96.2	175.5	661.8	16.8	32.6	26	3.1	0.0	1.0
497	3	4	aug	tue	96.1	181.1	671.2	14.3	32.3	27	2.2	0.0	1.0
498	6	5	aug	tue	96.1	181.1	671.2	14.3	33.3	26	2.7	0.0	1.0
499	7	5	aug	tue	96.1	181.1	671.2	14.3	27.3	63	4.9	6.4	1.0
500	8	6	aug	tue	96.1	181.1	671.2	14.3	21.6	65	4.9	0.8	0.0
501	7	5	aug	tue	96.1	181.1	671.2	14.3	21.6	65	4.9	0.8	0.0
502	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		4	aug	fri	91.0	166.9	752.6	7.1	21.1	71	7.6	1.4	1.0
510		5	aug	fri	91.0	166.9	752.6	7.1	18.2	62	5.4	0.0	1.0
511		6	aug	sun	81.6	56.7	665.6	1.9	27.8	35	2.7	0.0	0.0
512		3	aug	sun	81.6	56.7	665.6	1.9	27.8	32	2.7	0.0	1.0
513		4	aug	sun	81.6	56.7	665.6	1.9	21.9	71	5.8	0.0	1.0
514		4	aug	sun	81.6	56.7	665.6	1.9	21.2	70	6.7	0.0	1.0
515		4	aug	sat	94.4	146.0	614.7	11.3	25.6	42	4.0	0.0	0.0
516	6	3	nov	tue	79.5	3.0	106.7	1.1	11.8	31	4.5	0.0	0.0

In [1]: import keras from keras.preprocessing.image import ImageDataGenerator #Define the parameters/arguments for ImageDataGenerator class In [2]: 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  $x_{rain}=train_datagen.flow_from_directory(r'C:\Users\dhine\Downloads\archive\Dataset\Datase$ target\_size=(128,128),batch\_size=32, class\_mode='binary') Found 436 images belonging to 2 classes. In [4]: #Applying ImageDataGenerator functionality to testset  $x_test=test_datagen.flow_from_directory(r'C:\Users\dhine\Downloads\archive\Dataset\Dataset\test_from_directory(r'C:\Users\dhine\Downloads\archive\Dataset\Dataset\test_from_directory(r'C:\Users\dhine\Downloads\archive\Dataset\Dat$ target\_size=(128,128),batch\_size=32, class\_mode='binary') Found 121 images belonging to 2 classes. In [5]: #import model building libraries #To define Linear initialisation import Sequential from keras.models import Sequential #To add layers import Dense from keras.layers import Dense #To create Convolution kernel import 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') #initializing the model In [7]: model=Sequential() #add convolutional layer In [8]: 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 model.add(Dense(150,activation='relu')) #add output

layer model.add(Dense(1,activation='sigmoid'))

In [10]: #configure the learning process
model.compile(loss='binary\_crossentropy',optimizer="adam",metrics=["accuracy"])

In [11]: #Training the model model.fit\_generator(x\_train,steps\_per\_epoch=14,epochs=10,validation\_data=x\_test,validation\_st

```
14/14 [=============================] - 84s 6s/step - loss: 4.2334 - accuracy: 0.5619 - val_
        loss: 1.3686 - val accuracy: 0.5950Epoch 2/10
        loss: 0.2423 - val_accuracy: 0.8926Epoch 3/10
        _loss: 0.1323 - val_accuracy: 0.9669Epoch 4/10
        loss: 0.1082 - val_accuracy: 0.9669Epoch 5/10
        I loss: 0.1145 - val accuracy: 0.9669Epoch 6/10
        _loss: 0.1030 - val_accuracy: 0.9669
        Epoch
                                    7/10
        - 88s 6s/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
                                   ====1
                 0.1073 - val_accuracy: 0.96699/10
        Epoch
        - 77s 6s/step - loss: 0.1480
                                                                  - accuracy: 0.9427
                                                                                   - val
                                   ====]
         loss:
                0.0754 - val_accuracy: 0.983510/10
        Epoch [============
                                   ====]
        14/14
                                         -81s 6s/step
                                                     - loss: 0.1641
                                                                   - accuracy: 0.9289
                                                                                    - val
         loss:
                    0.0601 - val_accuracy: 0.9835
        <keras.callbacks.History at 0x2546507bf10>
Out[11]:
        model.save("forest1.h5")
In [12]:
        #import load model from keras.modelfrom
In [13]:
        keras.models import load_model #import
        image class from keras
        from tensorflow.keras.preprocessing import image
        #import numpy
        import numpy as np
        #import cv2 import
In [15]:
        #load the saved model
        model = load_model("forest1.h5")
        img=image.load\_img(r'C:\Users\dhine\Downloads\archive\Dataset\Dataset\test\_set\with fire\skynx=image.img\_to\_array(img)
In [16]:
        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 [=======] - 5s 5s/step
        pred
```

**Epoch 1/10**