## **EMERGING METHODS FOR EARLY DETECTION OF FOREST FIRESPROJECT**

## **DEVELOPMENT PHASE**

## **SPRINT 1**

Date	24.10.2022
Team ID	PNT2022TMID30023
Project Name	Emerging Methods For Early Detection Of Forest Fires
Team Lead	LOGESH K
Team Members	MURALIDHARN N  VIGNESH K  VIGNESH G

```
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
              ΧY
                    month
                                                  DC
                                                        ISI temp RH wind rain
Out[6]:
                                                                                    area
           0
             7
                 5
                               fri
                                    86.2
                                          26.2
                                                 94.3
                                                        5.1
                                                              8.2
                                                                    51
                                                                          6.7
                                                                               0.0
                                                                                     0.0
                       mar
           1 7 4
                        oct
                              tue
                                    90.6
                                          35.4
                                                669.1
                                                        6.7
                                                              18.0
                                                                    33
                                                                          0.9
                                                                               0.0
                                                                                     0.0
                                    90.6
                                                686.9
           2 7 4
                                          43.7
                                                        6.7
                                                              14.6
                                                                    33
                                                                          1.3
                                                                               0.0
                                                                                     0.0
                        oct
                              sat
           3
             8 6
                               fri
                                    91.7
                                          33.3
                                                 77.5
                                                        9.0
                                                              8.3
                                                                    97
                                                                          4.0
                                                                               0.2
                                                                                     0.0
                        mar
              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
                                                                    29
                                                                                     0.0
                                                       14.7
                                                              22.2
                                                                          5.4
                                                                               0.0
                        aug
                              sun
             8 6
                                    92.3
                                          88.9
                                                495.6
                                                        8.5
                                                              24.1
                                                                    27
                                                                          3.1
                                                                               0.0
                                                                                     0.0
           6
                        aug
                             mon
                                                608.2
                                                       10.7
           7 8 6
                                    91.5
                                         145.4
                                                                    86
                                                                          2.2
                                                                               0.0
                                                                                     0.0
                                                              8.0
                        aug
                             mon
           8
              8
                 6
                        sep
                              tue
                                    91.0
                                         129.5
                                                692.6
                                                        7.0
                                                              13.1
                                                                    63
                                                                          5.4
                                                                               0.0
                                                                                     0.0
             7 5
           9
                                    92.5
                                          88.0
                                                698.6
                                                        7.1
                                                              22.8
                                                                    40
                                                                          4.0
                                                                               0.0
                                                                                     0.0
                        sep
                              sat
          10 7 5
                                    92.5
                                          0.88
                                                698.6
                                                        7.1
                                                              17.8
                                                                    51
                                                                          7.2
                                                                               0.0
                                                                                     0.0
                        sep
                              sat
          11 7
                 5
                                    92.8
                                          73.2 713.0
                                                       22.6
                                                              19.3
                                                                    38
                                                                          4.0
                                                                               0.0
                                                                                     0.0
                        sep
                              sat
                 5
          12 6
                               fri
                                    63.5
                                          70.8 665.3
                                                        8.0
                                                             17.0
                                                                    72
                                                                          6.7
                                                                               0.0
                                                                                     0.0
                       aug
                                    90.9 126.5
          13 6 5
                             mon
                                                686.5
                                                        7.0
                                                             21.3
                                                                    42
                                                                          2.2
                                                                               0.0
                                                                                     0.0
                        sep
          14 6 5
                                    92.9
                                         133.3
                                                699.6
                                                        9.2
                                                              26.4
                                                                    21
                                                                          4.5
                                                                               0.0
                                                                                     0.0
                             wed
                        sep
          fires.shape
In [7]:
          (517, 13)
Out[7]:
         #show the last 10 instances of dataset
In [8]:
          fires.tail(15)
```

import matplotlib.pyplot as plt

import numpy as np
import pandas as pd
import seaborn as sns

In [4]:

	X	Υ	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

	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
Y	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()

Out[10]:

```
X
                                              FFMC
                                                         DMC
                                                                      DC
                                                                                ISI
                                                                                                     RH
                                                                                                              wind
  Out[12]:
                                                                                         temp
                     1.000000
                                 0.539548
                                          -0.021039
                                                     -0.048384
                                                               -0.085916
                                                                           0.006210
                                                                                    -0.051258
                                                                                                0.085223
                                                                                                           0.018798 0.065
                  X
                      0.539548
                                          -0.046308
                                                      0.007782 -0.101178
                                                                          -0.024488
                                                                                     -0.024103
                                                                                                          -0.020341
                                                                                                                    0.033
                                 1.000000
                                                                                                0.062221
               FFMC -0.021039
                                                                                                                    0.056
                                -0.046308
                                           1.000000
                                                      0.382619
                                                                0.330512
                                                                           0.531805
                                                                                     0.431532 -0.300995 -0.028485
                DMC -0.048384
                                 0.007782
                                           0.382619
                                                      1.000000
                                                                0.682192
                                                                           0.305128
                                                                                     0.469594
                                                                                                0.073795
                                                                                                          -0.105342
                                                                                                                    0.074
                 DC -0.085916
                                -0.101178
                                           0.330512
                                                      0.682192
                                                                1.000000
                                                                           0.229154
                                                                                     0.496208
                                                                                               -0.039192 -0.203466
                                                                                                                   0.035
                      0.006210
                                -0.024488
                                           0.531805
                                                      0.305128
                                                                0.229154
                                                                           1.000000
                                                                                     0.394287
                                                                                               -0.132517
                                                                                                          0.106826
                                                                                                                    0.067
               temp -0.051258
                                                      0.469594
                                                                0.496208
                                                                           0.394287
                                                                                     1.000000
                                                                                               -0.527390 -0.227116 0.069
                                -0.024103
                                           0.431532
                 RH
                      0.085223
                                 0.062221
                                          -0.300995
                                                      0.073795
                                                                -0.039192
                                                                          -0.132517
                                                                                     -0.527390
                                                                                                1.000000
                                                                                                          0.069410
                                                                                                                    0.099
               wind
                      0.018798
                                -0.020341
                                          -0.028485
                                                     -0.105342
                                                                -0.203466
                                                                           0.106826
                                                                                     -0.227116
                                                                                                0.069410
                                                                                                          1.000000
                                                                                                                    0.061
                      0.065387
                                 0.033234
                                           0.056702
                                                      0.074790
                                                                0.035861
                                                                                     0.069491
                                                                                                           0.061119
                                                                                                                    1.000
                rain
                                                                           0.067668
                                                                                                0.099751
             output
                      0.062491
                                 0.056892
                                           0.073823
                                                      0.062672
                                                                0.096724
                                                                           0.035663
                                                                                     0.076047
                                                                                               -0.035587
                                                                                                           0.055702
                                                                                                                    0.025
4
             numerical_feature = fires.describe(include=["int", "float"]).columns
 In [15]:
             # 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()



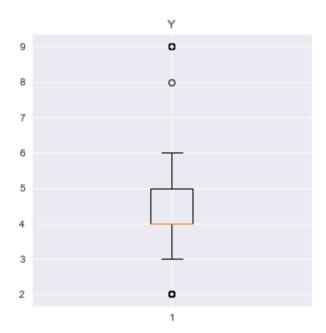
30

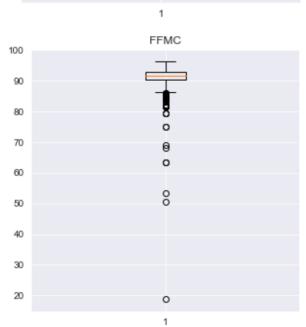
```
In [17]: for idx, col in enumerate(numerical_feature, 1):
    plt.figure(figsize=(5,5))

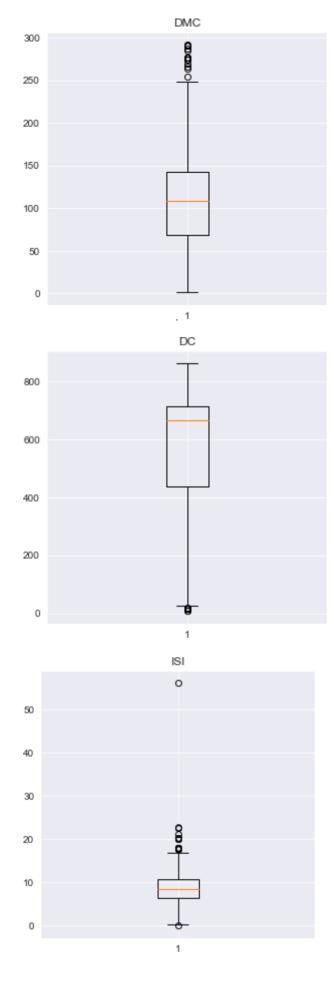
#    plt.subplot(len(numerical_feature) // 2, 3, idx)
    plt.boxplot(fires[col])

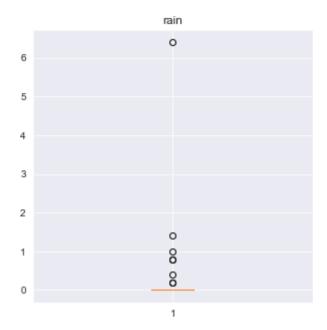
    plt.title(col)
    plt.hist(fires[col])

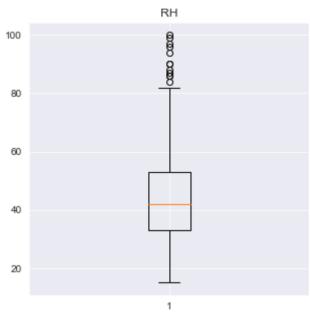
plt.tight_layout()
    plt.show(plt)
```

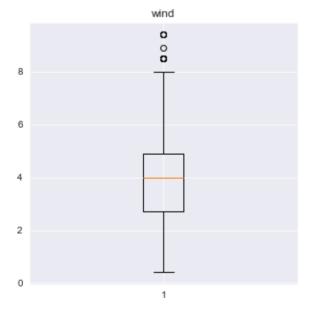


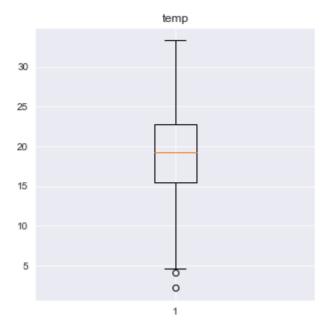


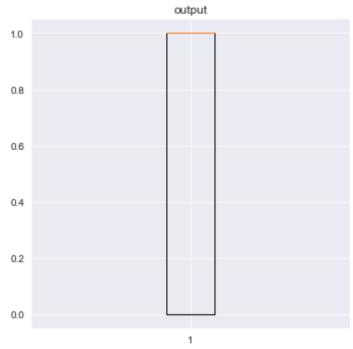




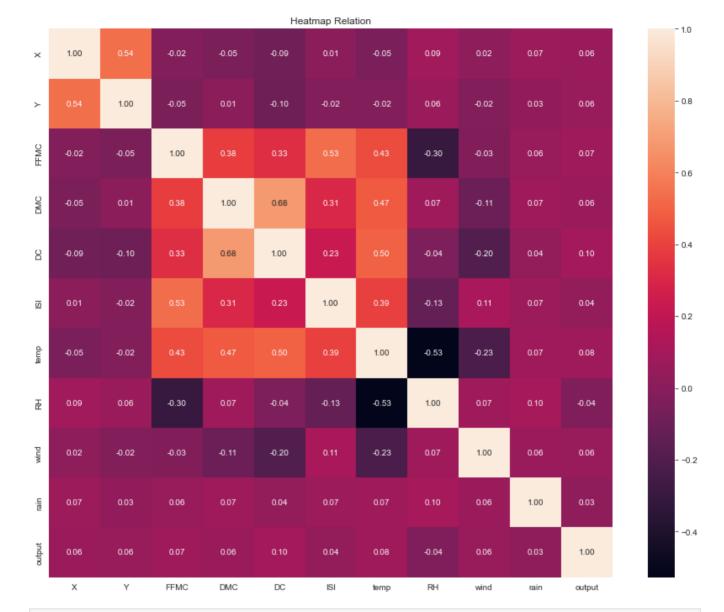








```
In [18]: plt.figure(figsize=(15, 12))
    plt.title("Heatmap Relation")
    sns.heatmap(fires[numerical_feature].corr(), annot=True, fmt='.2f');
```



In [19]: highest\_rain = fires.sort\_values(by='rain', ascending=False)[['month', 'day', 'rain']].head()
highest\_rain

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

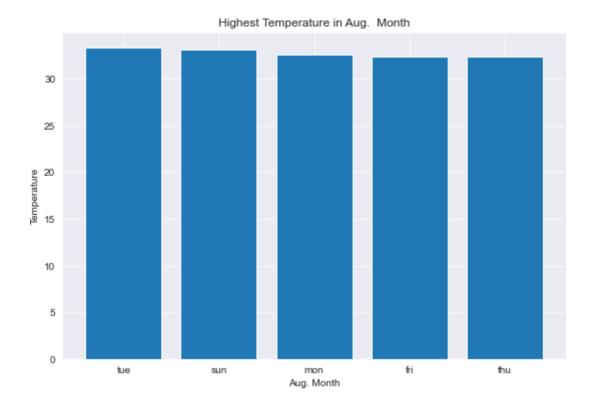
```
In [20]: highest_temp = fires.sort_values(by='temp', ascending=False)[['month', 'day', 'temp']].head()
plt.figure(figsize=(9, 6))

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()
```



```
In [21]: lowest_temp = fires.sort_values(by='temp', ascending=True)[['month', 'day', 'temp']].head()
    plt.figure(figsize=(9, 6))

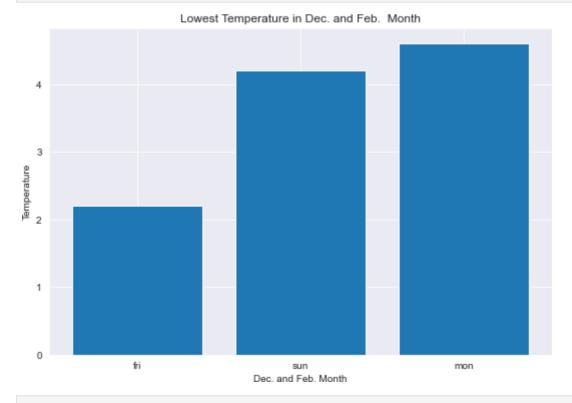
    plt.title("Lowest Temperature in Dec. and Feb. Month")

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

    plt.xlabel("Day")
    plt.xlabel("Dec. and Feb. Month")

    plt.ylabel("Temperature")

    plt.show()
```



Out[22]:		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
	10	7	5	sep	sat	92.5	88.0	698.6	7.1	17.8	51	7.2	0.0	0.0
	11	7	5	sep	sat	92.8	73.2	713.0	22.6	19.3	38	4.0	0.0	0.0
	12	6	5	aug	fri	63.5	70.8	665.3	8.0	17.0	72	6.7	0.0	0.0
	13	6	5	sep	mon	90.9	126.5	686.5	7.0	21.3	42	2.2	0.0	0.0
	14	6	5	sep	wed	92.9	133.3	699.6	9.2	26.4	21	4.5	0.0	0.0
	15	6	5	sep	fri	93.3	141.2	713.9	13.9	22.9	44	5.4	0.0	0.0
	16	5	5	mar	sat	91.7	35.8	80.8	7.8	15.1	27	5.4	0.0	0.0
	17		5	oct	mon	84.9	32.8	664.2	3.0	16.7	47	4.9	0.0	0.0
	18	6	4	mar	wed	89.2	27.9	70.8	6.3	15.9	35	4.0	0.0	0.0
	19		4	apr	sat	86.3	27.4	97.1	5.1	9.3	44	4.5	0.0	0.0
	20		4	sep	tue	91.0	129.5	692.6	7.0	18.3	40	2.7	0.0	0.0
	21		4	sep	mon	91.8	78.5	724.3	9.2	19.1	38	2.7	0.0	0.0
		7		jun	sun	94.3	96.3	200.0	56.1	21.0	44	4.5	0.0	0.0
		7		aug	sat	90.2	110.9	537.4	6.2	19.5	43	5.8	0.0	0.0
		7		aug	sat	93.5	139.4	594.2	20.3	23.7	32	5.8	0.0	0.0
		7		aug	sun	91.4	142.4	601.4	10.6	16.3	60	5.4	0.0	0.0
		7		sep	fri	92.4	117.9	668.0	12.2	19.0	34	5.8	0.0	0.0
		7		sep	mon	90.9	126.5	686.5	7.0	19.4	48	1.3	0.0	0.0
	28 29		3	sep	sat	93.4	145.4	721.4	8.1	30.2 22.8	24	2.7	0.0	0.0
	30		3	sep	sun fri	93.5 94.3	149.3 85.1	728.6 692.3	8.1 15.9	25.4	39 24	3.6	0.0	0.0
	31		3	sep		88.6	91.8	709.9	7.1	11.2	78	7.6	0.0	0.0
	32		3	sep	mon fri	88.6	69.7	706.8	5.8	20.6	37	1.8	0.0	0.0
	33		3	-	sun	91.7	75.6	718.3	7.8	17.7	39	3.6	0.0	0.0
	34		3	sep	mon	91.7	78.5	716.3	9.2	21.2	39	2.7	0.0	0.0
	35		3	sep	tue	90.3	80.7	730.2	6.3	18.2	62	4.5	0.0	0.0
	36		3	oct	tue	90.5	35.4	669.1	6.7	21.7	24	4.5	0.0	0.0
					-		-	•						

X	Y	month	day	FFMC	DMC	DC	ISI	temp	RH	wind	rain	output
<b>37</b> 7	4	oct	fri	90.0	41.5	682.6	8.7	11.3	60	5.4	0.0	0.0
<b>38</b> 7	3	oct	sat	90.6	43.7	686.9	6.7	17.8	27	4.0	0.0	0.0
<b>39</b> 4	4	mar	tue	88.1	25.7	67.6	3.8	14.1	43	2.7	0.0	0.0
<b>40</b> 4	4	jul	tue	79.5	60.6	366.7	1.5	23.3	37	3.1	0.0	0.0
<b>41</b> 4	4	aug	sat	90.2	96.9	624.2	8.9	18.4	42	6.7	0.0	0.0
<b>42</b> 4	4	aug	tue	94.8	108.3	647.1	17.0	16.6	54	5.4	0.0	0.0
<b>43</b> 4	4	sep	sat	92.5	88.0	698.6	7.1	19.6	48	2.7	0.0	0.0
<b>44</b> 4	4	sep	wed	90.1	82.9	735.7	6.2	12.9	74	4.9	0.0	0.0
<b>45</b> 5	6	sep	wed	94.3	85.1	692.3	15.9	25.9	24	4.0	0.0	0.0
<b>46</b> 5	6	sep	mon	90.9	126.5	686.5	7.0	14.7	70	3.6	0.0	0.0
<b>47</b> 6	6	jul	mon	94.2	62.3	442.9	11.0	23.0	36	3.1	0.0	0.0
<b>48</b> 4	4	mar	mon	87.2	23.9	64.7	4.1	11.8	35	1.8	0.0	0.0
<b>49</b> 4	4	mar	mon	87.6	52.2	103.8	5.0	11.0	46	5.8	0.0	0.0
<b>50</b> 4	4	sep	thu	92.9	137.0	706.4	9.2	20.8	17	1.3	0.0	0.0
<b>51</b> 4	3	aug	sun	90.2	99.6	631.2	6.3	21.5	34	2.2	0.0	0.0
<b>52</b> 4	3	aug	wed	92.1	111.2	654.1	9.6	20.4	42	4.9	0.0	0.0
<b>53</b> 4	3	aug	wed	92.1	111.2	654.1	9.6	20.4	42	4.9	0.0	0.0
<b>54</b> 4	3	aug	thu	91.7	114.3	661.3	6.3	17.6	45	3.6	0.0	0.0
<b>55</b> 4	3	sep	thu	92.9	137.0	706.4	9.2	27.7	24	2.2	0.0	0.0
<b>56</b> 4	3	sep	tue	90.3	80.7	730.2	6.3	17.8	63	4.9	0.0	0.0
<b>57</b> 4	3	oct	sun	92.6	46.5	691.8	8.8	13.8	50	2.7	0.0	0.0
<b>58</b> 2	2	feb	mon	84.0	9.3	34.0	2.1	13.9	40	5.4	0.0	0.0
<b>59</b> 2	2	feb	fri	86.6	13.2	43.0	5.3	12.3	51	0.9	0.0	0.0
<b>60</b> 2	2	mar	sun	89.3	51.3	102.2	9.6	11.5	39	5.8	0.0	0.0
<b>61</b> 2	2	mar	sun	89.3	51.3	102.2	9.6	5.5	59	6.3	0.0	0.0
<b>62</b> 2	2	aug	thu	93.0	75.3	466.6	7.7	18.8	35	4.9	0.0	0.0
<b>63</b> 2	2	aug	sun	90.2	99.6	631.2	6.3	20.8	33	2.7	0.0	0.0
<b>64</b> 2	2	aug	mon	91.1	103.2	638.8	5.8	23.1	31	3.1	0.0	0.0
<b>65</b> 2	2	aug	thu	91.7	114.3	661.3	6.3	18.6	44	4.5	0.0	0.0
<b>66</b> 2	2	sep	fri	92.4	117.9	668.0	12.2	23.0	37	4.5	0.0	0.0
<b>67</b> 2	2	sep	fri	92.4	117.9	668.0	12.2	19.6	33	5.4	0.0	0.0
<b>68</b> 2	2	sep	fri	92.4	117.9	668.0	12.2	19.6	33	6.3	0.0	0.0
<b>69</b> 4	5	mar	fri	91.7	33.3	77.5	9.0	17.2	26	4.5	0.0	0.0
<b>70</b> 4	5	mar	fri	91.2	48.3	97.8	12.5	15.8	27	7.6	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
<b>73</b> 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	4	5	aug	sun	90.2	99.6	631.2	6.3	21.4	33	3.1	0.0	0.0
108	4	5	sep	sat	92.5	88.0	698.6	7.1	20.3	45	3.1	0.0	0.0
109	4	5	sep	mon	88.6	91.8	709.9	7.1	17.4	56	5.4	0.0	0.0
110	4	4	mar	fri	85.9	19.5	57.3	2.8	13.7	43	5.8	0.0	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	•	tuo	84.4	73.4	671.9	3.2	17.9	45	3.1	0.0	0.0
123	3	4	sep sep	tue fri	94.3	85.1	692.3	15.9	19.8	50	5.4	0.0	0.0
			-										
125 126	3	4 5	oct mar	sun	92.6 87.6	46.5 52.2	691.8 103.8	8.8 5.0	20.6 9.0	24 49	5.4 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		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		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	_	thu	93.7	80.9	685.2	17.9	23.7	25	4.5	0.0	1.0
150	6	5	sep	fri	92.5	56.4	433.3	7.1	23.2	39	5.4	0.0	1.0
151	9	9			90.1	68.6	355.2	7.1	24.8	29	2.2	0.0	1.0
			jul	sun									
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		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		aug	wed	92.1	111.2		9.6	18.4	45	3.6	0.0	1.0
158	2		aug	wed	92.1	111.2		9.6	20.5	35	4.0	0.0	1.0
159	7		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

	X	Y	month	day	FFMC	DMC	DC	ISI	temp	RH	wind	rain	output
185	2	5	sep	tue	91.0	129.5	692.6	7.0	17.6	46	3.1	0.0	1.0
186	8	6	mar	sun	89.3	51.3	102.2	9.6	11.5	39	5.8	0.0	1.0
187	1	5	sep	mon	90.9	126.5	686.5	7.0	21.0	42	2.2	0.0	1.0
188	6	4	mar	sat	90.8	41.9	89.4	7.9	13.3	42	0.9	0.0	1.0
189	7	4	mar	sun	90.7	44.0	92.4	5.5	11.5	60	4.0	0.0	1.0
190	6	5	mar	fri	91.2	48.3	97.8	12.5	11.7	33	4.0	0.0	1.0
191	2	5	aug	thu	95.2	131.7	578.8	10.4	24.2	28	2.7	0.0	1.0
192	2	2	aug	tue	94.8	108.3	647.1	17.0	24.6	22	4.5	0.0	1.0
193	4	5	sep	wed	92.9	133.3	699.6	9.2	24.3	25	4.0	0.0	1.0
194	2	2	aug	tue	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	•	thu	92.9	137.0	706.4	9.2	21.5	15	0.9	0.0	1.0
198	3	4	sep sep	tue	91.0	129.5	692.6	7.0	13.9	59	6.3	0.0	1.0
199 200	2	4 5	sep sep	mon	63.5 91.0	70.8 129.5	665.3 692.6	0.8 7.0	22.6 21.6	38 33	3.6 2.2	0.0	1.0 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	4	mar	sat	91.7	35.8	80.8	7.8	17.0	27	4.9	0.0	1.0
215	4	4	mar	sat	91.7	35.8	80.8	7.8	17.0	27	4.9	0.0	1.0
216	4	4	sep	sun	92.4	124.1	680.7	8.5	16.9	60	1.3	0.0	1.0
217	1	3	sep	mon	88.6	91.8	709.9	7.1	12.4	73	6.3	0.0	1.0
218	4	5	sep	wed	92.9	133.3	699.6	9.2	19.4	19	1.3	0.0	1.0
219	6	5	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
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 w	ind ra	in out	tput
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

0         2         4         aug         mon         93.6         97.9         542.0         14.4         28.3         32         40         0.0         1.0           1         3         4         aug         fri         91.6         112.4         573.0         8.9         21.4         42         3.1         0.0         1.0           2         2         4         aug         fri         91.6         112.4         573.0         8.9         21.4         42         3.1         0.0         1.0           3         6         3         aug         fri         94.3         167.6         684.4         13.0         21.8         53         3.1         0.0         1.0           5         4         4         aug         tue         93.7         102.2         550.3         14.6         22.1         55         4.0         0.0         1.0           5         6         5         aug         tue         92.1         152.6         658.2         14.3         21.0         3.1         0.0         1.0           6         6         aug         tue         92.1         152.6         658.2         14.3 <th< th=""><th></th><th>X</th><th>Y</th><th>month</th><th>day</th><th>FFMC</th><th>DMC</th><th>DC</th><th>ISI</th><th>temp</th><th>RH w</th><th>ind ra</th><th>in out</th><th>put</th></th<>		X	Y	month	day	FFMC	DMC	DC	ISI	temp	RH w	ind ra	in out	put
1 3 4 aug fri 91.6 112.4 573.0 8.9 11.2 84 7.6 0.0 1.0 2 2 4 aug fri 91.6 112.4 573.0 8.9 21.4 42 3.1 0.0 1.0 3 6 3 aug fri 91.1 141.1 629.1 7.1 19.3 39 3.6 0.0 1.0 4 4 4 aug fri 94.3 167.6 684.4 13.0 21.8 53 3.1 0.0 1.0 5 6 5 aug tue 93.7 102.2 550.3 14.6 22.1 54 7.6 0.0 1.0 5 6 5 aug tue 92.1 152.6 658.2 14.3 23.7 24 3.1 0.0 0.0 8 3 3 4 aug tue 92.1 152.6 658.2 14.3 21.0 32 3.1 0.0 0.0 8 4 4 aug tue 92.1 152.6 658.2 14.3 21.0 32 3.1 0.0 0.0 9 4 4 aug tue 92.1 152.6 658.2 14.3 21.0 32 3.1 0.0 1.0 1 8 6 aug tue 92.1 152.6 658.2 14.3 21.0 32 3.1 0.0 1.0 1 8 6 aug tue 92.1 152.6 658.2 14.3 21.0 32 3.1 0.0 1.0 1 8 6 aug tue 92.1 152.6 658.2 14.3 21.0 58 4.5 0.0 1.0 1 8 6 aug tue 92.1 152.6 658.2 14.3 20.1 58 4.5 0.0 1.0 1 8 6 aug tue 92.1 152.6 658.2 14.3 20.1 58 4.5 0.0 1.0 1 8 6 aug tue 92.1 152.6 658.2 14.3 20.1 58 4.5 0.0 1.0 1 8 6 dec sun 84.4 27.2 353.5 6.8 4.8 57 8.5 0.0 1.0 1 8 7 3 4 dec mon 85.4 25.4 349.7 2.6 4.6 21 8.5 0.0 1.0 1 9 4 dec mon 85.4 25.4 349.7 2.6 4.6 21 8.5 0.0 1.0 1 0 4 6 dec mon 85.4 25.4 349.7 2.6 4.6 21 8.5 0.0 1.0 1 0 5 4 6 dec mon 85.4 25.4 349.7 2.6 4.6 21 8.5 0.0 1.0 1 0 6 5 dec tue 85.4 25.4 349.7 2.6 4.6 21 8.5 0.0 1.0 1 0 7 7 3 4 dec mon 85.4 25.4 349.7 2.6 4.6 21 8.5 0.0 1.0 1 0 7 8 6 dec tue 85.4 25.4 349.7 2.6 4.6 21 8.5 0.0 1.0 1 0 7 9 1 6 dec fri 84.7 26.7 352.6 4.1 2.2 59 4.9 0.0 1.0 1 0 7 9 1 6 dec fri 84.7 26.7 352.6 4.1 2.2 59 4.9 0.0 1.0 1 0 7 9 1 9 10 sat 91.6 104.2 474.9 9.0 24.3 30 1.8 0.0 0.0 0.0 1 0 7 1 4 jul sat 91.6 104.2 474.9 9.0 24.3 30 1.8 0.0 0.0 0.0 0.0 1.0 1.0 1.0 1.0 1.0 1.0	259	7	4	aug	sat	91.8	170.9	692.3	13.7	23.7	40	1.8	0.0	1.0
2 2 4 aug fri 91.6 112.4 573.0 8.9 21.4 42 3.1 0.0 1.0 3 6 3 aug fri 91.1 141.1 629.1 7.1 19.3 39 3.6 0.0 1.0 4 4 4 aug fri 93.7 102.2 550.3 14.6 22.1 54 7.6 0.0 1.0 5 6 5 aug tue 93.7 102.2 550.3 14.6 22.1 54 7.6 0.0 1.0 5 6 5 aug tue 92.1 152.6 658.2 14.3 23.7 24 3.1 0.0 0.0 8 3 4 aug tue 92.1 152.6 658.2 14.3 21.0 32 3.1 0.0 0.0 9 4 4 aug tue 92.1 152.6 658.2 14.3 21.0 32 3.1 0.0 0.0 1 8 6 aug tue 92.1 152.6 658.2 14.3 21.0 32 3.1 0.0 1.0 1 8 6 aug tue 92.1 152.6 658.2 14.3 21.0 32 3.1 0.0 1.0 1 8 6 aug tue 92.1 152.6 658.2 14.3 21.0 32 3.1 0.0 1.0 1 8 6 aug tue 92.1 152.6 658.2 14.3 21.8 56 3.1 0.0 1.0 1 8 6 aug tue 92.1 152.6 658.2 14.3 20.1 58 4.5 0.0 1.0 1 8 6 aug tue 92.1 152.6 658.2 14.3 20.1 58 4.5 0.0 1.0 1 8 6 dec sun 84.4 27.2 353.5 6.8 4.8 57 8.5 0.0 1.0 1 8 7 3 4 dec mon 85.4 25.4 349.7 2.6 4.6 21 8.5 0.0 1.0 1 9 4 dec mon 85.4 25.4 349.7 2.6 4.6 21 8.5 0.0 1.0 1 0 4 6 dec fri 84.7 26.7 352.6 4.1 2.2 59 4.9 0.0 1.0 1 0 5 4 6 dec tue 85.4 25.4 349.7 2.6 4.6 21 8.5 0.0 1.0 1 0 6 5 dec tue 85.4 25.4 349.7 2.6 4.6 21 8.5 0.0 1.0 1 0 7 7 4 dec mon 85.4 25.4 349.7 2.6 4.6 21 8.5 0.0 1.0 1 0 7 8 6 dec fri 84.7 26.7 352.6 4.1 2.2 59 4.9 0.0 1.0 1 0 7 9 4 jul sat 91.6 104.2 474.9 9.0 24.3 3.0 1.8 0.0 0.0 1 0 7 9 4 jul sat 91.6 104.2 474.9 9.0 24.3 3.0 1.8 0.0 0.0 1 9 4 jul sat 91.6 104.2 474.9 9.0 24.3 3.0 1.8 0.0 0.0 1 9 4 jul sat 91.6 104.2 474.9 9.0 24.3 3.0 1.8 0.0 0.0 1 9 4 jul sat 91.6 104.2 474.9 9.0 24.3 3.0 1.8 0.0 0.0 1 9 4 jul sat 91.6 104.2 474.9 9.0 24.3 3.0 1.8 0.0 0.0 1 9 4 jul sat 91.6 104.2 474.9 9.0 24.3 3.0 1.8 0.0 0.0 0.0 1 9 4 jul sat 91.6 104.2 474.9 9.0 24.3 3.0 1.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	260	2	4	aug	mon	93.6	97.9	542.0	14.4	28.3	32	4.0	0.0	1.0
3 6 3 aug fri 91.1 141.1 629.1 7.1 19.3 39 3.6 0.0 1.0  4 4 4 aug fri 94.3 167.6 684.4 13.0 21.8 53 3.1 0.0 1.0  5 4 4 aug tue 93.7 102.2 550.3 14.6 22.1 54 7.6 0.0 1.0  5 6 5 aug tue 94.3 131.7 607.1 22.7 19.4 55 4.0 0.0 1.0  7 2 2 aug tue 92.1 152.6 658.2 14.3 23.7 24 3.1 0.0 0.0  8 3 4 aug tue 92.1 152.6 658.2 14.3 21.0 32 3.1 0.0 0.0  9 4 4 aug tue 92.1 152.6 658.2 14.3 19.1 53 2.7 0.0 1.0  1 8 6 aug tue 92.1 152.6 658.2 14.3 21.0 32 3.1 0.0 1.0  1 8 6 aug tue 92.1 152.6 658.2 14.3 21.8 56 3.1 0.0 1.0  1 8 6 aug tue 92.1 152.6 658.2 14.3 20.1 58 4.5 0.0 1.0  2 2 5 aug tue 92.1 152.6 658.2 14.3 20.1 58 4.5 0.0 1.0  3 4 6 dec sun 84.4 27.2 353.5 6.8 4.8 57 8.5 0.0 1.0  4 8 6 dec thu 84.6 26.4 352.0 2.0 5.1 61 8.0 0.0 1.0  5 4 6 dec mon 85.4 25.4 349.7 2.6 4.6 21 8.5 0.0 1.0  5 4 4 dec mon 85.4 25.4 349.7 2.6 4.6 21 8.5 0.0 1.0  6 4 4 dec mon 85.4 25.4 349.7 2.6 4.6 21 8.5 0.0 1.0  1 6 5 dec tue 85.4 25.4 349.7 2.6 4.6 21 8.5 0.0 1.0  1 7 3 4 dec mon 85.4 25.4 349.7 2.6 4.6 21 8.5 0.0 1.0  1 6 5 dec tue 85.4 25.4 349.7 2.6 4.6 21 8.5 0.0 1.0  2 6 7 6 dec tue 85.4 25.4 349.7 2.6 4.6 21 8.5 0.0 1.0  3 7 7 6 jul sun 93.9 169.7 411.8 12.3 23.4 40 6.3 0.0 0.0  3 7 7 4 jul sat 91.6 104.2 474.9 9.0 22.1 49 2.7 0.0 0.0  3 7 7 4 jul sat 91.6 104.2 474.9 9.0 22.1 49 2.7 0.0 0.0  3 7 7 4 jul sat 91.6 104.2 474.9 9.0 22.1 49 2.7 0.0 0.0  3 7 6 jul sun 93.9 169.7 411.8 12.3 23.4 40 6.3 0.0 0.0 0.0  3 7 6 jul tue 93.1 180.4 474.9 9.0 22.1 49 2.7 0.0 0.0  3 7 7 4 jul sat 91.6 104.2 474.9 9.0 22.1 49 2.7 0.0 0.0  3 7 4 jul sat 91.6 104.2 474.9 9.0 22.1 49 2.7 0.0 0.0  3 7 5 1 jul sat 91.6 104.2 474.9 9.0 25.3 39 0.9 0.0 1.0 0.0  3 7 6 jul tue 93.1 180.4 474.9 9.0 25.3 39 0.9 0.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	261	3	4	aug	fri	91.6	112.4	573.0	8.9	11.2	84	7.6	0.0	1.0
4 4 4 aug fri 94.3 167.6 684.4 13.0 21.8 53 3.1 0.0 1.0 5 4 4 aug tue 93.7 102.2 550.3 14.6 22.1 54 7.6 0.0 1.0 5 6 5 aug tue 94.3 131.7 607.1 22.7 19.4 55 4.0 0.0 1.0 7 2 2 aug tue 92.1 152.6 658.2 14.3 23.7 24 3.1 0.0 0.0 8 3 3 4 aug tue 92.1 152.6 658.2 14.3 21.0 32 3.1 0.0 0.0 9 4 4 aug tue 92.1 152.6 658.2 14.3 19.1 53 2.7 0.0 1.0 9 2 2 aug tue 92.1 152.6 658.2 14.3 21.8 56 3.1 0.0 1.0 1 8 6 aug tue 92.1 152.6 658.2 14.3 21.8 56 3.1 0.0 1.0 1 8 6 aug tue 92.1 152.6 658.2 14.3 20.1 58 4.5 0.0 1.0 2 2 5 aug tue 92.1 152.6 658.2 14.3 20.1 58 4.5 0.0 1.0 2 2 5 aug tue 92.1 152.6 658.2 14.3 20.1 58 4.5 0.0 1.0 3 4 6 dec sun 84.4 27.2 353.5 6.8 4.8 57 8.5 0.0 1.0 5 4 6 dec thu 84.6 26.4 352.0 2.0 5.1 61 8.0 0.0 1.0 5 4 6 dec mon 85.4 25.4 349.7 2.6 4.6 21 8.5 0.0 1.0 6 4 6 dec mon 85.4 25.4 349.7 2.6 4.6 21 8.5 0.0 1.0 1 6 5 dec fri 84.7 26.7 352.6 4.1 2.2 59 4.9 0.0 1.0 1 6 5 dec tue 85.4 25.4 349.7 2.6 4.6 21 8.5 0.0 1.0 2 6 6 3 feb sun 84.9 27.5 353.5 3.4 4.2 51 4.0 0.0 0.0 3 3 4 feb wed 86.9 6.6 18.7 3.2 8.8 35 3.1 0.0 1.0 5 7 7 4 jul sat 91.6 104.2 474.9 9.0 22.1 49 2.7 0.0 0.0 5 7 7 4 jul sat 91.6 104.2 474.9 9.0 22.1 49 2.7 0.0 0.0 6 7 7 4 jul sat 91.6 104.2 474.9 9.0 24.3 30 1.8 0.0 0.0 6 7 7 4 jul sat 91.6 104.2 474.9 9.0 25.3 39 0.9 0.0 1.0 0.0 7 9 4 jul sat 91.6 104.2 474.9 9.0 25.3 39 0.9 0.0 1.0 0.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	262	2	4	aug	fri	91.6	112.4	573.0	8.9	21.4	42	3.1	0.0	1.0
5         4         aug         tue         93.7         102.2         550.3         14.6         22.1         54         7.6         0.0         1.0           5         6         5         aug         tue         94.3         131.7         607.1         22.7         19.4         55         4.0         0.0         1.0           7         2         2         aug         tue         92.1         152.6         658.2         14.3         21.0         32         3.1         0.0         0.0           8         4         aug         tue         92.1         152.6         658.2         14.3         21.0         32         3.1         0.0         0.0           9         4         4         aug         tue         92.1         152.6         658.2         14.3         20.1         58         4.5         0.0         1.0           1         8         6         aug         tue         92.1         152.6         658.2         14.3         20.2         47         4.0         0.0         1.0           1         8         6         dec         sun         84.4         27.2         353.5         6.8	263	6	3	aug	fri	91.1	141.1	629.1	7.1	19.3	39	3.6	0.0	1.0
5         6         5         aug         tue         94.3         131.7         607.1         22.7         19.4         55         4.0         0.0         1.0           7         2         2         aug         tue         92.1         152.6         658.2         14.3         23.7         24         3.1         0.0         0.0           8         3         4         aug         tue         92.1         152.6         658.2         14.3         21.0         32         3.1         0.0         0.0           9         4         4         aug         tue         92.1         152.6         658.2         14.3         21.8         56         3.1         0.0         1.0           1         8         6         aug         tue         92.1         152.6         658.2         14.3         20.1         58         4.5         0.0         1.0           1         6         dec         sun         84.4         27.2         353.5         6.8         4.8         57         8.5         0.0         1.0           1         4         6         dec         sun         84.4         25.4         349.7         2	264	4	4	aug	fri	94.3	167.6	684.4	13.0	21.8	53	3.1	0.0	1.0
To a long the series of the se	265	4	4	aug	tue	93.7	102.2	550.3	14.6	22.1	54	7.6	0.0	1.0
3 3 4 aug tue 92.1 152.6 658.2 14.3 21.0 32 3.1 0.0 0.0 0.0 0.0 4 4 aug tue 92.1 152.6 658.2 14.3 19.1 53 2.7 0.0 1.0 1.0 0.2 2 2 aug tue 92.1 152.6 658.2 14.3 21.8 56 3.1 0.0 1.0 1.0 1.0 1.8 6 aug tue 92.1 152.6 658.2 14.3 20.1 58 4.5 0.0 1.0 1.0 1.0 1.8 6 aug tue 92.1 152.6 658.2 14.3 20.1 58 4.5 0.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	266	6	5	aug	tue	94.3	131.7	607.1	22.7	19.4	55	4.0	0.0	1.0
10	267	2	2	aug	tue	92.1	152.6	658.2	14.3	23.7	24	3.1	0.0	0.0
10 2 2 aug tue 92.1 152.6 658.2 14.3 21.8 56 3.1 0.0 1.0 1.0 1.0 1.8 6 aug tue 92.1 152.6 658.2 14.3 20.1 58 4.5 0.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	268	3	4	aug	tue	92.1	152.6	658.2	14.3	21.0	32	3.1	0.0	0.0
1 8 6 aug tue 92.1 152.6 658.2 14.3 20.1 58 4.5 0.0 1.0 2 2 5 aug tue 92.1 152.6 658.2 14.3 20.2 47 4.0 0.0 1.0 3 4 6 dec sun 84.4 27.2 353.5 6.8 4.8 57 8.5 0.0 1.0 4 8 6 dec wed 84.0 27.8 354.6 5.3 5.1 61 8.0 0.0 1.0 5 4 6 dec thu 84.6 26.4 352.0 2.0 5.1 61 4.9 0.0 1.0 5 4 dec mon 85.4 25.4 349.7 2.6 4.6 21 8.5 0.0 1.0 7 3 4 dec mon 85.4 25.4 349.7 2.6 4.6 21 8.5 0.0 1.0 8 4 4 dec mon 85.4 25.4 349.7 2.6 4.6 21 8.5 0.0 1.0 9 4 dec mon 85.4 25.4 349.7 2.6 4.6 21 8.5 0.0 1.0 1 6 5 dec tue 85.4 25.4 349.7 2.6 4.6 21 8.5 0.0 1.0 1 6 5 dec tue 85.4 25.4 349.7 2.6 4.6 21 8.5 0.0 1.0 2 6 3 feb sun 84.9 27.5 353.5 3.4 4.2 59 4.9 0.0 1.0 2 6 3 feb sun 84.9 27.5 353.5 3.4 4.2 51 4.0 0.0 0.0 3 7 4 feb wed 86.9 6.6 18.7 3.2 8.8 35 3.1 0.0 1.0 4 5 4 feb fri 85.2 4.9 15.8 6.3 7.5 46 8.0 0.0 1.0 5 7 6 jul wed 91.2 183.1 437.7 12.5 12.6 90 7.6 0.2 0.0 7 7 4 jul sat 91.6 104.2 474.9 9.0 24.2 32 1.8 0.0 0.0 2 5 7 6 jul sat 91.6 104.2 474.9 9.0 24.3 30 1.8 0.0 0.0 3 7 4 jul sat 91.6 104.2 474.9 9.0 24.3 30 1.8 0.0 0.0 3 7 4 jul sat 91.6 104.2 474.9 9.0 24.3 30 1.8 0.0 0.0 3 7 4 jul sat 91.6 104.2 474.9 9.0 25.3 39 0.9 0.0 1.0 3 7 6 jul tue 93.1 180.4 430.8 11.0 26.9 28 5.4 0.0 1.0	269	4	4	aug	tue	92.1	152.6	658.2	14.3	19.1	53	2.7	0.0	1.0
2 2 5 aug tue 92.1 152.6 658.2 14.3 20.2 47 4.0 0.0 1.0 3 4 6 dec sun 84.4 27.2 353.5 6.8 4.8 57 8.5 0.0 1.0 4 8 6 dec wed 84.0 27.8 354.6 5.3 5.1 61 8.0 0.0 1.0 5 4 6 dec mon 85.4 25.4 349.7 2.6 4.6 21 8.5 0.0 1.0 7 3 4 dec mon 85.4 25.4 349.7 2.6 4.6 21 8.5 0.0 1.0 7 3 4 dec mon 85.4 25.4 349.7 2.6 4.6 21 8.5 0.0 1.0 9 4 dec mon 85.4 25.4 349.7 2.6 4.6 21 8.5 0.0 1.0 1 6 5 dec mon 85.4 25.4 349.7 2.6 4.6 21 8.5 0.0 1.0 1 6 5 dec tue 85.4 25.4 349.7 2.6 4.6 21 8.5 0.0 1.0 2 6 3 feb sun 84.9 27.5 353.5 3.4 4.2 51 4.0 0.0 0.0 3 3 4 feb wed 86.9 6.6 18.7 3.2 8.8 35 3.1 0.0 1.0 4 5 4 feb fri 85.2 4.9 15.8 6.3 7.5 46 8.0 0.0 1.0 5 7 4 jul sat 91.6 104.2 474.9 9.0 22.1 49 2.7 0.0 0.0 6 7 4 jul sat 91.6 104.2 474.9 9.0 24.3 30 1.8 0.0 0.0 7 7 4 jul sat 91.6 104.2 474.9 9.0 24.3 30 1.8 0.0 0.0 1 9 4 jul sat 91.6 104.2 474.9 9.0 25.3 39 0.9 0.0 1.0 2 4 5 jul fri 91.6 104.2 474.9 9.0 25.3 39 0.9 0.0 1.0 2 4 5 jul tue 93.1 180.4 430.8 11.0 26.9 28 5.4 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
3 4 6 dec sun 84.4 27.2 353.5 6.8 4.8 57 8.5 0.0 1.0 4 8 6 dec wed 84.0 27.8 354.6 5.3 5.1 61 8.0 0.0 1.0 5 4 6 dec thu 84.6 26.4 352.0 2.0 5.1 61 4.9 0.0 1.0 5 4 4 dec mon 85.4 25.4 349.7 2.6 4.6 21 8.5 0.0 1.0 7 3 4 dec mon 85.4 25.4 349.7 2.6 4.6 21 8.5 0.0 1.0 8 4 4 dec mon 85.4 25.4 349.7 2.6 4.6 21 8.5 0.0 1.0 9 4 4 dec mon 85.4 25.4 349.7 2.6 4.6 21 8.5 0.0 1.0 9 4 6 dec fri 84.7 26.7 352.6 4.1 2.2 59 4.9 0.0 1.0 1 6 5 dec tue 85.4 25.4 349.7 2.6 5.1 24 8.5 0.0 1.0 2 6 3 feb sun 84.9 27.5 353.5 3.4 4.2 51 4.0 0.0 0.0 3 3 4 feb wed 86.9 6.6 18.7 3.2 8.8 35 3.1 0.0 1.0 4 5 4 feb fri 85.2 4.9 15.8 6.3 7.5 46 8.0 0.0 1.0 5 7 6 jul wed 91.2 183.1 437.7 12.5 12.6 90 7.6 0.2 0.0 7 7 4 jul sat 91.6 104.2 474.9 9.0 22.1 49 2.7 0.0 0.0 9 7 4 jul sat 91.6 104.2 474.9 9.0 24.2 32 1.8 0.0 0.0 1 9 4 jul sat 91.6 104.2 474.9 9.0 24.3 30 1.8 0.0 0.0 1 9 4 jul sat 91.6 104.2 474.9 9.0 25.3 39 0.9 0.0 1.0 2 4 5 jul fri 91.6 104.2 474.9 9.0 25.3 39 0.9 0.0 1.0 3 7 6 jul tue 93.1 180.4 430.8 11.0 26.9 28 5.4 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
4 8 6 dec wed 84.0 27.8 354.6 5.3 5.1 61 8.0 0.0 1.0 5.4 6 dec thu 84.6 26.4 352.0 2.0 5.1 61 4.9 0.0 1.0 5.4 4 dec mon 85.4 25.4 349.7 2.6 4.6 21 8.5 0.0 1.0 7.3 4 dec mon 85.4 25.4 349.7 2.6 4.6 21 8.5 0.0 1.0 8.4 4 dec mon 85.4 25.4 349.7 2.6 4.6 21 8.5 0.0 1.0 8.4 4 dec mon 85.4 25.4 349.7 2.6 4.6 21 8.5 0.0 1.0 8.4 4 dec mon 85.4 25.4 349.7 2.6 4.6 21 8.5 0.0 1.0 8.4 6 dec fri 84.7 26.7 352.6 4.1 2.2 59 4.9 0.0 1.0 8.6 5 dec tue 85.4 25.4 349.7 2.6 5.1 24 8.5 0.0 1.0 8.6 5 dec tue 85.4 25.4 349.7 2.6 5.1 24 8.5 0.0 1.0 8.3 4 feb sun 84.9 27.5 353.5 3.4 4.2 51 4.0 0.0 0.0 0.0 8.3 4 feb wed 86.9 6.6 18.7 3.2 8.8 35 3.1 0.0 1.0 1.0 8.5 5 dec tue 85.2 4.9 15.8 6.3 7.5 46 8.0 0.0 1.0 1.0 8.5 5 dec tue 93.9 169.7 411.8 12.3 23.4 40 6.3 0.0 0.0 1.0 8.5 2 5 jul sun 93.9 169.7 411.8 12.3 23.4 40 6.3 0.0 0.0 0.0 8.7 7 4 jul sat 91.6 104.2 474.9 9.0 24.2 32 1.8 0.0 0.0 0.0 8.7 7 4 jul sat 91.6 104.2 474.9 9.0 24.2 32 1.8 0.0 0.0 0.0 8.7 7 4 jul sat 91.6 104.2 474.9 9.0 24.2 32 1.8 0.0 0.0 0.0 8.7 7 4 jul sat 91.6 104.2 474.9 9.0 24.2 32 1.8 0.0 0.0 0.0 8.7 7 4 jul sat 91.6 104.2 474.9 9.0 25.3 39 0.9 0.0 1.0 0.0 8.7 7 4 jul sat 91.6 104.2 474.9 9.0 25.3 39 0.9 0.0 1.0 0.0 8.7 7 4 jul sat 91.6 104.2 474.9 9.0 25.3 39 0.9 0.0 1.0 0.0 8.7 7 4 jul sat 91.6 104.2 474.9 9.0 25.3 39 0.9 0.0 1.0 1.0 8.7 6 jul tue 93.1 180.4 430.8 11.0 26.9 28 5.4 0.0 1.0 1.0 8.7 6 jul tue 93.1 180.4 430.8 11.0 26.9 28 5.4 0.0 1.0 1.0 8.7 6 jul tue 93.1 180.4 430.8 11.0 26.9 28 5.4 0.0 1.0 1.0 8.7 6 jul tue 93.1 180.4 430.8 11.0 26.9 28 5.4 0.0 1.0 1.0 8.7 6 jul tue 93.1 180.4 430.8 11.0 26.9 28 5.4 0.0 1.0 1.0 8.7 6 jul tue 93.1 180.4 430.8 11.0 26.9 28 5.4 0.0 1.0 1.0 8.7 6 jul tue 93.1 180.4 430.8 11.0 26.9 28 5.4 0.0 1.0 1.0 1.0 8.7 6 jul tue 93.1 180.4 430.8 11.0 26.9 28 5.4 0.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	272	2	5	aug	tue	92.1	152.6	658.2	14.3	20.2	47	4.0	0.0	1.0
5         4         6         dec         thu         84.6         26.4         352.0         2.0         5.1         61         4.9         0.0         1.0           5         4         4         dec         mon         85.4         25.4         349.7         2.6         4.6         21         8.5         0.0         1.0           7         3         4         dec         mon         85.4         25.4         349.7         2.6         4.6         21         8.5         0.0         1.0           8         4         dec         mon         85.4         25.4         349.7         2.6         4.6         21         8.5         0.0         1.0           9         4         dec         mon         85.4         25.4         349.7         2.6         4.6         21         8.5         0.0         1.0           1         6         5         dec         tue         85.4         25.4         349.7         2.6         5.1         24         8.5         0.0         1.0           1         6         5         dec         tue         85.9         25.5         353.5         3.4         4.2	273	4	6	dec	sun	84.4	27.2	353.5	6.8	4.8	57	8.5	0.0	1.0
6         4         4         dec         mon         85.4         25.4         349.7         2.6         4.6         21         8.5         0.0         1.0           7         3         4         dec         mon         85.4         25.4         349.7         2.6         4.6         21         8.5         0.0         1.0           8         4         4         dec         mon         85.4         25.4         349.7         2.6         4.6         21         8.5         0.0         1.0           9         4         4         dec         mon         85.4         25.4         349.7         2.6         4.6         21         8.5         0.0         1.0           1         6         dec         fri         84.7         26.7         352.6         4.1         2.2         59         4.9         0.0         1.0           1         6         5         dec         tue         85.4         25.4         349.7         2.6         5.1         24         8.5         0.0         1.0           2         6         3         feb         sun         84.9         27.5         353.5         3.4	274	8	6	dec	wed	84.0	27.8	354.6	5.3	5.1	61	8.0	0.0	1.0
7         3         4         dec         mon         85.4         25.4         349.7         2.6         4.6         21         8.5         0.0         1.0           8         4         4         dec         mon         85.4         25.4         349.7         2.6         4.6         21         8.5         0.0         1.0           9         4         4         dec         mon         85.4         25.4         349.7         2.6         4.6         21         8.5         0.0         1.0           1         6         dec         fri         84.7         26.7         352.6         4.1         2.2         59         4.9         0.0         1.0           1         6         5         dec         tue         85.4         25.4         349.7         2.6         5.1         24         8.5         0.0         1.0           2         6         3         feb         sun         84.9         27.5         353.5         3.4         4.2         51         4.0         0.0         0.0           3         7         4         feb         fri         85.2         4.9         15.8         6.3         <	275	4	6	dec	thu	84.6	26.4	352.0	2.0	5.1	61	4.9	0.0	1.0
3 4 4 dec mon 85.4 25.4 349.7 2.6 4.6 21 8.5 0.0 1.0 3 4 4 dec mon 85.4 25.4 349.7 2.6 4.6 21 8.5 0.0 1.0 4 6 dec fri 84.7 26.7 352.6 4.1 2.2 59 4.9 0.0 1.0 4 6 dec tue 85.4 25.4 349.7 2.6 5.1 24 8.5 0.0 1.0 5 6 3 feb sun 84.9 27.5 353.5 3.4 4.2 51 4.0 0.0 0.0 6 7 6 jul wed 91.2 183.1 437.7 12.5 12.6 90 7.6 0.2 0.0 7 7 4 jul sat 91.6 104.2 474.9 9.0 24.3 30 1.8 0.0 0.0 7 7 4 jul sat 91.6 104.2 474.9 9.0 24.3 30 1.8 0.0 0.0 7 7 4 jul sat 91.6 104.2 474.9 9.0 24.3 30 1.8 0.0 0.0 7 7 4 jul sat 91.6 104.2 474.9 9.0 25.3 39 0.9 0.0 1.0 8 7 6 jul wed 91.2 183.1 437.7 12.5 12.6 90 7.6 0.2 0.0 9 7 7 4 jul sat 91.6 104.2 474.9 9.0 24.3 30 1.8 0.0 0.0 9 7 4 jul sat 91.6 104.2 474.9 9.0 25.3 39 0.9 0.0 1.0 9 7 5 jul sat 91.6 104.2 474.9 9.0 25.3 39 0.9 0.0 1.0 9 7 6 jul tue 93.1 180.4 430.8 11.0 26.9 28 5.4 0.0 1.0 9 7 6 jul tue 93.1 180.4 430.8 11.0 26.9 28 5.4 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
9 4 4 dec mon 85.4 25.4 349.7 2.6 4.6 21 8.5 0.0 1.0 1.0 1.0 4 6 dec fri 84.7 26.7 352.6 4.1 2.2 59 4.9 0.0 1.0 1.0 1.6 5 dec tue 85.4 25.4 349.7 2.6 5.1 24 8.5 0.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	277	3	4	dec	mon	85.4	25.4	349.7	2.6	4.6	21	8.5	0.0	1.0
10 4 6 dec fri 84.7 26.7 352.6 4.1 2.2 59 4.9 0.0 1.0 1.0 1.0 1.6 5 dec tue 85.4 25.4 349.7 2.6 5.1 24 8.5 0.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	278	4	4	dec	mon	85.4	25.4	349.7	2.6	4.6	21	8.5	0.0	1.0
1         6         5         dec         tue         85.4         25.4         349.7         2.6         5.1         24         8.5         0.0         1.0           2         6         3         feb         sun         84.9         27.5         353.5         3.4         4.2         51         4.0         0.0         0.0           3         3         4         feb         wed         86.9         6.6         18.7         3.2         8.8         35         3.1         0.0         1.0           4         5         4         feb         fri         85.2         4.9         15.8         6.3         7.5         46         8.0         0.0         1.0           5         2         5         jul         sun         93.9         169.7         411.8         12.3         23.4         40         6.3         0.0         0.0           6         7         6         jul         wed         91.2         183.1         437.7         12.5         12.6         90         7.6         0.2         0.0           7         7         4         jul         sat         91.6         104.2         474.9	279	4	4	dec	mon	85.4	25.4	349.7	2.6	4.6	21	8.5	0.0	1.0
2         6         3         feb         sun         84.9         27.5         353.5         3.4         4.2         51         4.0         0.0         0.0           3         3         4         feb         wed         86.9         6.6         18.7         3.2         8.8         35         3.1         0.0         1.0           4         5         4         feb         fri         85.2         4.9         15.8         6.3         7.5         46         8.0         0.0         1.0           5         2         5         jul         sun         93.9         169.7         411.8         12.3         23.4         40         6.3         0.0         0.0           6         jul         wed         91.2         183.1         437.7         12.5         12.6         90         7.6         0.2         0.0           7         7         4         jul         sat         91.6         104.2         474.9         9.0         22.1         49         2.7         0.0         0.0           8         7         4         jul         sat         91.6         104.2         474.9         9.0         24.3	280	4	6	dec	fri	84.7	26.7	352.6	4.1	2.2	59	4.9	0.0	1.0
3         4         feb         wed         86.9         6.6         18.7         3.2         8.8         35         3.1         0.0         1.0           4         5         4         feb         fri         85.2         4.9         15.8         6.3         7.5         46         8.0         0.0         1.0           5         2         5         jul         sun         93.9         169.7         411.8         12.3         23.4         40         6.3         0.0         0.0           5         7         6         jul         wed         91.2         183.1         437.7         12.5         12.6         90         7.6         0.2         0.0           6         7         4         jul         sat         91.6         104.2         474.9         9.0         22.1         49         2.7         0.0         0.0           8         7         4         jul         sat         91.6         104.2         474.9         9.0         24.2         32         1.8         0.0         0.0           9         7         4         jul         sat         91.6         104.2         474.9         9.0	281	6	5	dec	tue	85.4	25.4	349.7	2.6	5.1	24	8.5	0.0	1.0
4         5         4         feb         fri         85.2         4.9         15.8         6.3         7.5         46         8.0         0.0         1.0           5         2         5         jul         sun         93.9         169.7         411.8         12.3         23.4         40         6.3         0.0         0.0           5         7         6         jul         wed         91.2         183.1         437.7         12.5         12.6         90         7.6         0.2         0.0           6         7         4         jul         sat         91.6         104.2         474.9         9.0         22.1         49         2.7         0.0         0.0           3         7         4         jul         sat         91.6         104.2         474.9         9.0         24.2         32         1.8         0.0         0.0           3         7         4         jul         sat         91.6         104.2         474.9         9.0         24.3         30         1.8         0.0         0.0           3         7         4         jul         sat         91.6         104.2         474.9 <th>282</th> <th>6</th> <th>3</th> <th>feb</th> <th>sun</th> <th>84.9</th> <th>27.5</th> <th>353.5</th> <th>3.4</th> <th>4.2</th> <th>51</th> <th>4.0</th> <th>0.0</th> <th>0.0</th>	282	6	3	feb	sun	84.9	27.5	353.5	3.4	4.2	51	4.0	0.0	0.0
5       2       5       jul       sun       93.9       169.7       411.8       12.3       23.4       40       6.3       0.0       0.0         5       7       6       jul       wed       91.2       183.1       437.7       12.5       12.6       90       7.6       0.2       0.0         7       7       4       jul       sat       91.6       104.2       474.9       9.0       22.1       49       2.7       0.0       0.0         8       7       4       jul       sat       91.6       104.2       474.9       9.0       24.2       32       1.8       0.0       0.0         9       7       4       jul       sat       91.6       104.2       474.9       9.0       24.3       30       1.8       0.0       0.0         9       2       5       jul       sat       91.6       104.2       474.9       9.0       18.7       53       1.8       0.0       0.0         1       9       4       jul       sat       91.6       104.2       474.9       9.0       25.3       39       0.9       0.0       1.0         2       4	283	3	4	feb	wed	86.9	6.6	18.7	3.2	8.8	35	3.1	0.0	1.0
5 7 6 jul wed 91.2 183.1 437.7 12.5 12.6 90 7.6 0.2 0.0 7 7 4 jul sat 91.6 104.2 474.9 9.0 22.1 49 2.7 0.0 0.0 8 7 4 jul sat 91.6 104.2 474.9 9.0 24.2 32 1.8 0.0 0.0 9 7 4 jul sat 91.6 104.2 474.9 9.0 24.3 30 1.8 0.0 0.0 9 2 5 jul sat 91.6 104.2 474.9 9.0 18.7 53 1.8 0.0 0.0 1 9 4 jul sat 91.6 104.2 474.9 9.0 25.3 39 0.9 0.0 1.0 2 4 5 jul fri 91.6 100.2 466.3 6.3 22.9 40 1.3 0.0 1.0 3 7 6 jul tue 93.1 180.4 430.8 11.0 26.9 28 5.4 0.0 1.0 4 8 6 jul tue 92.3 88.8 440.9 8.5 17.1 67 3.6 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
7 7 4 jul sat 91.6 104.2 474.9 9.0 22.1 49 2.7 0.0 0.0  8 7 4 jul sat 91.6 104.2 474.9 9.0 24.2 32 1.8 0.0 0.0  9 7 4 jul sat 91.6 104.2 474.9 9.0 24.3 30 1.8 0.0 0.0  1 9 4 jul sat 91.6 104.2 474.9 9.0 18.7 53 1.8 0.0 0.0  1 9 4 jul sat 91.6 104.2 474.9 9.0 25.3 39 0.9 0.0 1.0  2 4 5 jul fri 91.6 100.2 466.3 6.3 22.9 40 1.3 0.0 1.0  3 7 6 jul tue 93.1 180.4 430.8 11.0 26.9 28 5.4 0.0 1.0  4 8 6 jul tue 92.3 88.8 440.9 8.5 17.1 67 3.6 0.0 1.0	285	2		-	sun	93.9		411.8	12.3	23.4		6.3	0.0	0.0
3 7 4 jul sat 91.6 104.2 474.9 9.0 24.2 32 1.8 0.0 0.0 3 7 4 jul sat 91.6 104.2 474.9 9.0 24.3 30 1.8 0.0 0.0 3 2 5 jul sat 91.6 104.2 474.9 9.0 18.7 53 1.8 0.0 0.0 4 9 4 jul sat 91.6 104.2 474.9 9.0 25.3 39 0.9 0.0 1.0 5 1 9 4 jul sat 91.6 100.2 466.3 6.3 22.9 40 1.3 0.0 1.0 6 3 7 6 jul tue 93.1 180.4 430.8 11.0 26.9 28 5.4 0.0 1.0 6 4 8 6 jul tue 92.3 88.8 440.9 8.5 17.1 67 3.6 0.0 1.0	286	7	6	jul	wed	91.2	183.1	437.7	12.5	12.6	90	7.6	0.2	0.0
9       7       4       jul       sat       91.6       104.2       474.9       9.0       24.3       30       1.8       0.0       0.0         1       9       2       5       jul       sat       91.6       104.2       474.9       9.0       18.7       53       1.8       0.0       0.0         1       9       4       jul       sat       91.6       104.2       474.9       9.0       25.3       39       0.9       0.0       1.0         2       4       5       jul       fri       91.6       100.2       466.3       6.3       22.9       40       1.3       0.0       1.0         3       7       6       jul       tue       93.1       180.4       430.8       11.0       26.9       28       5.4       0.0       1.0         4       8       6       jul       tue       92.3       88.8       440.9       8.5       17.1       67       3.6       0.0       1.0	287	7	4	jul	sat	91.6	104.2	474.9	9.0	22.1	49	2.7	0.0	
1       9       4       jul       sat       91.6       104.2       474.9       9.0       18.7       53       1.8       0.0       0.0         1       9       4       jul       sat       91.6       104.2       474.9       9.0       25.3       39       0.9       0.0       1.0         2       4       5       jul       fri       91.6       100.2       466.3       6.3       22.9       40       1.3       0.0       1.0         3       7       6       jul       tue       93.1       180.4       430.8       11.0       26.9       28       5.4       0.0       1.0         4       8       6       jul       tue       92.3       88.8       440.9       8.5       17.1       67       3.6       0.0       1.0	288	7	4	-	sat									
1 9 4 jul sat 91.6 104.2 474.9 9.0 25.3 39 0.9 0.0 1.0 2 4 5 jul fri 91.6 100.2 466.3 6.3 22.9 40 1.3 0.0 1.0 3 7 6 jul tue 93.1 180.4 430.8 11.0 26.9 28 5.4 0.0 1.0 4 8 6 jul tue 92.3 88.8 440.9 8.5 17.1 67 3.6 0.0 1.0	289			-	sat									
2 4 5 jul fri 91.6 100.2 466.3 6.3 22.9 40 1.3 0.0 1.0 3 7 6 jul tue 93.1 180.4 430.8 11.0 26.9 28 5.4 0.0 1.0 4 8 6 jul tue 92.3 88.8 440.9 8.5 17.1 67 3.6 0.0 1.0	290			-										
3 7 6 jul tue 93.1 180.4 430.8 11.0 26.9 28 5.4 0.0 1.0 4 8 6 jul tue 92.3 88.8 440.9 8.5 17.1 67 3.6 0.0 1.0	291			-										
<b>4</b> 8 6 jul tue 92.3 88.8 440.9 8.5 17.1 67 3.6 0.0 1.0	292			-										
•	293			-										
o / 5 Jun sun 93.1 180.4 430.8 11.0 22.2 48 1.3 0.0 0.0	294													
	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 w	ind ra	in outp	ut
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

335  4  3  sep mon  91.6  108.4  764.0  6.2  9.8  86  1.8  0  336  7  4  sep mon  91.6  108.4  764.0  6.2  19.3  44  2.2  0  337  6  3  sep mon  91.6  108.4  764.0  6.2  23.0  34  2.2  0  338  8  6  sep mon  91.6  108.4  764.0  6.2  22.7  35  2.2  0  339  2  4  sep mon  91.6  108.4  764.0  6.2  20.4  41  1.8  0  340  2  5  sep mon  91.6  108.4  764.0  6.2  19.3  44  2.2  0  341  8  6  sep mon  91.9  111.7  770.3  6.5  15.7  51  2.2  0  342  6  3  sep mon  91.5  130.1  807.1  7.5  20.6  37  1.8  0  344  6  3  sep mon  91.5  130.1  807.1  7.5  15.9  51  4.5  0  345  2  2  sep mon  91.5  130.1  807.1  7.5  16.8  43  3.1  0  346  1  4  sep mon  91.5  130.1  807.1  7.5  16.8  43  3.1  0	2 10
335         4         3         sep mon         91.6         108.4         764.0         6.2         9.8         86         1.8         0           336         7         4         sep mon         91.6         108.4         764.0         6.2         19.3         44         2.2         0           337         6         3         sep mon         91.6         108.4         764.0         6.2         23.0         34         2.2         0           338         8         6         sep mon         91.6         108.4         764.0         6.2         22.7         35         2.2         0           340         2         5         sep mon         91.6         108.4         764.0         6.2         20.4         41         1.8         0           341         8         6         sep mon         91.6         108.4         764.0         6.2         19.3         44         2.2         0           341         8         6         sep mon         91.5         130.1         807.1         7.5         20.6         37         1.8         0           343         8         6         sep mon         91.5	0 1.0
336       7       4       sep mon       91.6       108.4       764.0       6.2       19.3       44       2.2       0         337       6       3       sep mon       91.6       108.4       764.0       6.2       23.0       34       2.2       0         338       8       6       sep mon       91.6       108.4       764.0       6.2       22.7       35       2.2       0         340       2       5       sep mon       91.6       108.4       764.0       6.2       20.4       41       1.8       0         341       8       6       sep mon       91.6       108.4       764.0       6.2       19.3       44       2.2       0         341       8       6       sep mon       91.6       108.4       764.0       6.2       19.3       44       2.2       0         342       6       3       sep mon       91.5       130.1       807.1       7.5       20.6       37       1.8       0         343       8       6       sep mon       91.5       130.1       807.1       7.5       15.9       51       4.5       0         344	0.0
337       6       3       sep mon       91.6       108.4       764.0       6.2       23.0       34       2.2       0         338       8       6       sep mon       91.6       108.4       764.0       6.2       22.7       35       2.2       0         349       2       4       sep mon       91.6       108.4       764.0       6.2       20.4       41       1.8       0         340       2       5       sep mon       91.6       108.4       764.0       6.2       19.3       44       2.2       0         341       8       6       sep mon       91.9       111.7       770.3       6.5       15.7       51       2.2       0         342       6       3       sep mon       91.5       130.1       807.1       7.5       20.6       37       1.8       0         343       8       6       sep mon       91.5       130.1       807.1       7.5       15.9       51       4.5       0         344       6       3       sep mon       91.5       130.1       807.1       7.5       12.2       66       4.9       0         345	0.0
338       8       6       sep mon       91.6       108.4       764.0       6.2       22.7       35       2.2       0         339       2       4       sep mon       91.6       108.4       764.0       6.2       20.4       41       1.8       0         340       2       5       sep mon       91.6       108.4       764.0       6.2       19.3       44       2.2       0         341       8       6       sep mon       91.9       111.7       770.3       6.5       15.7       51       2.2       0         342       6       3       sep mon       91.5       130.1       807.1       7.5       20.6       37       1.8       0         343       8       6       sep mon       91.5       130.1       807.1       7.5       15.9       51       4.5       0         344       6       3       sep mon       91.5       130.1       807.1       7.5       12.2       66       4.9       0         345       2       2       sep mon       91.5       130.1       807.1       7.5       16.8       43       3.1       0         346	0.0
339       2       4       sep mon       91.6       108.4       764.0       6.2       20.4       41       1.8       0         340       2       5       sep mon       91.6       108.4       764.0       6.2       19.3       44       2.2       0         341       8       6       sep mon       91.9       111.7       770.3       6.5       15.7       51       2.2       0         342       6       3       sep mon       91.5       130.1       807.1       7.5       20.6       37       1.8       0         343       8       6       sep mon       91.5       130.1       807.1       7.5       15.9       51       4.5       0         344       6       3       sep mon       91.5       130.1       807.1       7.5       12.2       66       4.9       0         345       2       2       sep mon       91.5       130.1       807.1       7.5       16.8       43       3.1       0         346       1       4       sep mon       91.5       130.1       807.1       7.5       21.3       35       2.2       0	0 1.0
340       2       5       sep mon       91.6       108.4       764.0       6.2       19.3       44       2.2       0         341       8       6       sep mon       91.9       111.7       770.3       6.5       15.7       51       2.2       0         342       6       3       sep mon       91.5       130.1       807.1       7.5       20.6       37       1.8       0         343       8       6       sep mon       91.5       130.1       807.1       7.5       15.9       51       4.5       0         344       6       3       sep mon       91.5       130.1       807.1       7.5       12.2       66       4.9       0         345       2       2       sep mon       91.5       130.1       807.1       7.5       16.8       43       3.1       0         346       1       4       sep mon       91.5       130.1       807.1       7.5       21.3       35       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         342       6       3       sep mon       91.5       130.1       807.1       7.5       20.6       37       1.8       0         343       8       6       sep mon       91.5       130.1       807.1       7.5       15.9       51       4.5       0         344       6       3       sep mon       91.5       130.1       807.1       7.5       12.2       66       4.9       0         345       2       2       sep mon       91.5       130.1       807.1       7.5       16.8       43       3.1       0         346       1       4       sep mon       91.5       130.1       807.1       7.5       21.3       35       2.2       0	0 1.0
342       6       3       sep mon       91.5       130.1       807.1       7.5       20.6       37       1.8       0         343       8       6       sep mon       91.5       130.1       807.1       7.5       15.9       51       4.5       0         344       6       3       sep mon       91.5       130.1       807.1       7.5       12.2       66       4.9       0         345       2       2       sep mon       91.5       130.1       807.1       7.5       16.8       43       3.1       0         346       1       4       sep mon       91.5       130.1       807.1       7.5       21.3       35       2.2       0	0 1.0
343       8       6       sep mon       91.5       130.1       807.1       7.5       15.9       51       4.5       0         344       6       3       sep mon       91.5       130.1       807.1       7.5       12.2       66       4.9       0         345       2       2       sep mon       91.5       130.1       807.1       7.5       16.8       43       3.1       0         346       1       4       sep mon       91.5       130.1       807.1       7.5       21.3       35       2.2       0	0.0
344       6       3       sep mon       91.5       130.1       807.1       7.5       12.2       66       4.9       0         345       2       2       sep mon       91.5       130.1       807.1       7.5       16.8       43       3.1       0         346       1       4       sep mon       91.5       130.1       807.1       7.5       21.3       35       2.2       0	0.0
345 2 2 sep mon 91.5 130.1 807.1 7.5 16.8 43 3.1 0  346 1 4 sep mon 91.5 130.1 807.1 7.5 21.3 35 2.2 0	0 1.0
<b>346</b> 1 4 sep mon 91.5 130.1 807.1 7.5 21.3 35 2.2 0	0 1.0
	0 1.0
<b>347</b> 5 4 sep fri 92.1 99.0 745.3 9.6 10.1 75 3.6 0	0 1.0
	0.0
<b>348</b> 3 4 sep fri 92.1 99.0 745.3 9.6 17.4 57 4.5 0	0.0
<b>349</b> 5 4 sep fri 92.1 99.0 745.3 9.6 12.8 64 3.6 0	0 1.0
<b>350</b> 5 4 sep fri 92.1 99.0 745.3 9.6 10.1 75 3.6 0	0 1.0
<b>351</b> 4 4 sep fri 92.1 99.0 745.3 9.6 15.4 53 6.3 0	0 1.0
<b>352</b> 7 4 sep fri 92.1 99.0 745.3 9.6 20.6 43 3.6 0	0 1.0
<b>353</b> 7 4 sep fri 92.1 99.0 745.3 9.6 19.8 47 2.7 0	0 1.0
<b>354</b> 7 4 sep fri 92.1 99.0 745.3 9.6 18.7 50 2.2 0	0 1.0
<b>355</b> 4 4 sep fri 92.1 99.0 745.3 9.6 20.8 35 4.9 0	0 1.0
<b>356</b> 4 4 sep fri 92.1 99.0 745.3 9.6 20.8 35 4.9 0	0 1.0
<b>357</b> 6 3 sep fri 92.5 122.0 789.7 10.2 15.9 55 3.6 0	0.0
<b>358</b> 6 3 sep fri 92.5 122.0 789.7 10.2 19.7 39 2.7 0	0.0
<b>359</b> 1 4 sep fri 92.5 122.0 789.7 10.2 21.1 39 2.2 0	0 1.0
<b>360</b> 6 5 sep fri 92.5 122.0 789.7 10.2 18.4 42 2.2 0	0 1.0
<b>361</b> 4 3 sep fri 92.5 122.0 789.7 10.2 17.3 45 4.0 0	0 1.0
<b>362</b> 7 4 sep fri 88.2 55.2 732.3 11.6 15.2 64 3.1 0	0 1.0
<b>363</b> 4 3 sep tue 91.9 111.7 770.3 6.5 15.9 53 2.2 0	0 1.0
<b>364</b> 6 5 sep tue 91.9 111.7 770.3 6.5 21.1 35 2.7 0	0 1.0
<b>365</b> 6 5 sep tue 91.9 111.7 770.3 6.5 19.6 45 3.1 0	0 1.0
<b>366</b> 4 5 sep tue 91.1 132.3 812.1 12.5 15.9 38 5.4 0	0 1.0
<b>367</b> 4 5 sep tue 91.1 132.3 812.1 12.5 16.4 27 3.6 0	0.0
<b>368</b> 6 5 sep sat 91.2 94.3 744.4 8.4 16.8 47 4.9 0	0 1.0
<b>369</b> 4 5 sep sun 91.0 276.3 825.1 7.1 13.8 77 7.6 0	0.0

	X	Y	month	day	FFMC	DMC	DC	ISI	temp	RH w	<b>ivich</b> drai	rai <b>o</b> ut <b>p</b>	utput
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
405 406	2	2	aug sep	tue sat	94.6 87.1	212.1 291.3	680.9 860.6	9.5 4.0	27.9 17.0	27 67	2.2 4.9	0.0	0.0
400	υ	ر	seh	ડતા	07.1	۵۱.۵	0.00.0	4.0	17.0	07	4.3	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 w	i <b>vid</b> drai	rai <b>o</b> ut <b>p</b>	utput
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
475 476	2	5	jun jul	thu thu	93.7 93.5	121.7 85.3	350.2 395.0	18.0 9.9	22.7	40 28	9.4	0.0	1.0
			-										
477 478	4	3	jul	sun	93.7	101.3 101.3	423.4	14.7	26.1 18.2	45	4.0	0.0	1.0
478	7	4	jul	sun	93.7		423.4	14.7		82 57	4.5		1.0
479	9	4	jul jul	mon thu	89.2 93.2	103.9 114.4	431.6 560.0	6.4 9.5	22.6 30.2	57 25	4.9 4.5	0.0	1.0
	-	_	,~,					5				<del>-</del>	

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
<b>482</b> 3	4	aug	sun	94.9	130.3	587.1	14.1	23.4	40	5.8	0.0	1.0
<b>483</b> 8	6	aug	sun	94.9	130.3	587.1	14.1	31.0	27	5.4	0.0	0.0
<b>484</b> 2	5	aug	sun	94.9	130.3	587.1	14.1	33.1	25	4.0	0.0	1.0
<b>485</b> 2	4	aug	mon	95.0	135.5	596.3	21.3	30.6	28	3.6	0.0	1.0
<b>486</b> 5	4	aug	tue	95.1	141.3	605.8	17.7	24.1	43	6.3	0.0	1.0
<b>487</b> 5	4	aug	tue	95.1	141.3	605.8	17.7	26.4	34	3.6	0.0	1.0
<b>488</b> 4	4	aug	tue	95.1	141.3	605.8	17.7	19.4	71	7.6	0.0	1.0
<b>489</b> 4	4	aug	wed	95.1	141.3	605.8	17.7	20.6	58	1.3	0.0	0.0
<b>490</b> 4	4	aug	wed	95.1	141.3	605.8	17.7	28.7	33	4.0	0.0	0.0
<b>491</b> 4	4	aug	thu	95.8	152.0	624.1	13.8	32.4	21	4.5	0.0	0.0
<b>492</b> 1	3	aug	fri	95.9	158.0	633.6	11.3	32.4	27	2.2	0.0	0.0
<b>493</b> 1	3	aug	fri	95.9	158.0	633.6	11.3	27.5	29	4.5	0.0	1.0
<b>494</b> 6	6	aug	sat	96.0	164.0	643.0	14.0	30.8	30	4.9	0.0	1.0
<b>495</b> 6	6	aug	mon	96.2	175.5	661.8	16.8	23.9	42	2.2	0.0	0.0
<b>496</b> 4	5	aug	mon	96.2	175.5	661.8	16.8	32.6	26	3.1	0.0	1.0
<b>497</b> 3	4	aug	tue	96.1	181.1	671.2	14.3	32.3	27	2.2	0.0	1.0
<b>498</b> 6	5	aug	tue	96.1	181.1	671.2	14.3	33.3	26	2.7	0.0	1.0
<b>499</b> 7	5	aug	tue	96.1	181.1	671.2	14.3	27.3	63	4.9	6.4	1.0
<b>500</b> 8	6	aug	tue	96.1	181.1	671.2	14.3	21.6	65	4.9	0.8	0.0
<b>501</b> 7	5	aug	tue	96.1	181.1	671.2	14.3	21.6	65	4.9	0.8	0.0
<b>502</b> 4	4	aug	tue	96.1	181.1	671.2	14.3	20.7	69	4.9	0.4	0.0
<b>503</b> 2	4	aug	wed	94.5	139.4	689.1	20.0	29.2	30	4.9	0.0	1.0
<b>504</b> 4	3	aug	wed	94.5	139.4	689.1	20.0	28.9	29	4.9	0.0	1.0
<b>505</b> 1	2	aug	thu	91.0	163.2	744.4	10.1	26.7	35	1.8	0.0	1.0
<b>506</b> 1	2	aug	fri	91.0	166.9	752.6	7.1	18.5	73	8.5	0.0	0.0
<b>507</b> 2	4	aug	fri	91.0	166.9	752.6	7.1	25.9	41	3.6	0.0	0.0
<b>508</b> 1	2	aug	fri	91.0	166.9	752.6	7.1	25.9	41	3.6	0.0	0.0
<b>509</b> 5	4	aug	fri	91.0	166.9	752.6	7.1	21.1	71	7.6	1.4	1.0
<b>510</b> 6	5	aug	fri	91.0	166.9	752.6	7.1	18.2	62	5.4	0.0	1.0
<b>511</b> 8	6	aug	sun	81.6	56.7	665.6	1.9	27.8	35	2.7	0.0	0.0
<b>512</b> 4	3	aug	sun	81.6	56.7	665.6	1.9	27.8	32	2.7	0.0	1.0
<b>513</b> 2	4	aug	sun	81.6	56.7	665.6	1.9	21.9	71	5.8	0.0	1.0
<b>514</b> 7	4	aug	sun	81.6	56.7	665.6	1.9	21.2	70	6.7	0.0	1.0
<b>515</b> 1	4	aug	sat	94.4	146.0	614.7	11.3	25.6	42	4.0	0.0	0.0
<b>516</b> 6	3	nov	tue	79.5	3.0	106.7	1.1	11.8	31	4.5	0.0	0.0

import keras In [1]: 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) #Applying ImageDataGenerator functionality to trainset In [3]:  $x_{train}=train_datagen.flow_from_directory(r'C:\Users\dhine\Downloads\archive\Dataset\Datas$ target\_size=(128,128),batch\_size=32, class\_mode='binary') Found 436 images belonging to 2 classes. #Applying ImageDataGenerator functionality to testset In [4]:  $x_test=test_datagen.flow_from_directory(r'C:\Users\dhine\Downloads\archive\Dataset\Dataset\text{te}$ target\_size=(128,128),batch\_size=32, class\_mode='binary') Found 121 images belonging to 2 classes. #importmodelbuilding libraries In [5]: #Todefine Linearinitialisation import Sequential from keras.models import Sequential #To add layers import Dense from keras.layers import Dense #Tocreate Convolutionkernelimport Convolution2D from keras.layers import Convolution2D #import Maxpooling layer from keras.layers import MaxPooling2D #import flatten layer from keras.layers import Flatten import warnings warnings.filterwarnings('ignore') #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

```
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
        14/14 [============================] - 129s 10s/step - loss: 0.1918 - accuracy: 0.9151 - va
        I_loss: 0.1145 - val_accuracy: 0.9669Epoch 6/10
        14/14 [==============================] - 111s 8s/step - loss: 0.1938 - accuracy: 0.9037 - val
        _loss: 0.1030 - val_accuracy: 0.9669
         Epoch
                                        7/10
         - loss: 0.1756
                                             - 88s 6s/step
                                                                        - accuracy: 0.9312
                                                                                           - val
          loss:
                0.0831 - val_accuracy: 0.97528/10
         Epoch
         - 86s 6s/step - loss: 0.1564 - accuracy: 0.9404

    val_

                                      ====1
         loss:
                   0.1073 - val_accuracy: 0.96699/10
         Epoch
              14/14
                                             - 77s 6s/step
                                                         - loss: 0.1480
                                                                       - accuracy: 0.9427
                                                                                          - val
                                      ====]
                   0.0754 - val_accuracy: 0.983510/10
         Epoch [===========
         14/14
                                      ====1
                                             -81s 6s/step
                                                         - loss:
                                                                0.1641
                                                                         - accuracy: 0.9289
                                                                                           - val
                      0.0601 - val_accuracy: 0.9835
          loss:
        <keras.callbacks.History at 0x2546507bf10>
Out[11]:
In [12]:
        model.save("forest1.h5")
In [13]:
         #import load_model from keras.modelfrom
         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