In [4]: df.info() <class #="" 'pand="" column<="" columns="" data="" rangeindex:="" th=""><th>ect(14) e: 27.1+ KB SSING VALUES L().any(axis=1)] # checking if there any null value in any column year Temperature RH Ws Rain FFMC DMC DC ISI BUI FWI Classes Region "Region"]=0</th></class>	ect(14) e: 27.1+ KB SSING VALUES L().any(axis=1)] # checking if there any null value in any column year Temperature RH Ws Rain FFMC DMC DC ISI BUI FWI Classes Region "Region"]=0
RangeIndex: Data columns # Column 0 day 1 month 2 year 3 Tempera 4 RH 5 Ws 6 Rain 7 FFMC 8 DMC 9 DC 10 ISI 11 BUI 12 FWI 13 Classes 14 Region dtypes: floa memory usage In [11]: df[['Region' In [12]: df.info() <class 'pand="" rangeindex:<="" th=""><th>### Association of the control of th</th></class>	### Association of the control of th
# Column	246 non-null object 245 non-null object 246 non-null object 247 non-null object 248 no
In [16]: df.head() Out[16]: day month 0 1 6 1 2 6 2 3 6 3 4 6	1
122 day monton In [19]: df=df.drop(1) In [20]: df.iloc[[122] Out[20]: day monton	th year Temperature RH Ws Rain FFMC DMC DC ISI BUI FWI Classes Region th year Temperature RH Ws Rain FFMC DMC DC ISI BUI FWI Classes 1 1.22).reset_index(drop=True)
Out[21]: Index(['day' 'DMC' dtype= In [22]: ## fix space df.columns=d df.columns Out[22]: Index(['day' 'DMC' dtype= In [23]: ##change th df[['month', In [24]: df.info()	<pre>If.columns.str.strip() / 'month', 'year', 'Temperature', 'RH', 'Ws', 'Rain', 'FFMC',</pre>
memory usage In [25]: ## changing objects=[fea In [26]: for i in obj if i!='C	243 non-null int32 (27), object(8) :: 22.0+ KB the other column to float datatype sture for feature in df.columns if df[feature].dtype=='0'] dects: classes': classes': classes' (1-df[i].astype(float) as.core.frame.DataFrame'> 243 entries, 0 to 242 (1 fotat is foolumns):
memory usage In [28]: df.describe(Out[28]: d count 243.0000 mean 15.7613 std 8.8425 min 1.0000 25% 8.0000 75% 23.0000 max 31.0000 In [29]: ##let save t df.to_csv("A In [30]: df_copy=df.d In [31]: df_copy.head Out[31]: Temperature	243 non-null int32 (t64(7), int32(7), object(1) strat(32(7), object(
2 26 3 25 4 27 In [32]: ##categories df_copy['Cla Out[32]: Classes fire not fire fire fire not fire not fire not fire not fire not fire count, In [33]: ## encoding df_copy['Cla In [34]: df_copy.head Out[34]: Temperature 0 29 1 29 2 26	131 101 4 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 0 1 0
In [35]: df_copy.tai Out[35]: Temperatu 238	re RH Ws Rain FFMC DMC DC 181 BUI FWI Classes Region 30 65 14 0.0 85.4 16.0 44.5 45 16.9 6.5 1 1 28 87 15 4.4 41.1 6.5 8.0 0.1 6.2 0.0 0 1 28 87 15 4.4 41.1 6.5 8.0 0.1 6.2 0.0 1 29 15 15 15 15 15 15 15 15 15 15 15 15 15
Out[37]: Classes 1 137 0 106 Name: count, In [39]: #sns.set_sty #plt.style.u df_copy.hist plt.show() 30 25 20 15 100 75 150 22.5 25 In [40]: percentage=d In [41]: ## plotting classlabels= plt.figure(f plt.pie(perc	(Bithies-Sp, Figs) 722 (20, 15)) (Bithies-Sp, Figs) 722 (20, 15) (Bithies-Sp, Figs) 723 (20,
<pre>In [42]: ## correlati df_copy.corr Out[42]: Te</pre>	
Temperature RH Ws Rain FFMC DMC DC ISI BUI FWI Classes Region In [60]: sns.heatmap(Out[60]: <axes:> Temperature RH Ws Rain</axes:>	1.000000 -0.651400
FFMC DMC DC ISI BUI FWI Classes Region	-0.68-0.64-0.17-0.54 1 0.6 0.51 0.74 0.59 0.69 0.77 0.22 -0.49-0.40,00070.29 0.6 1 0.88 0.68 0.98 0.88 0.59 0.19 -0.28-0.230.079-0.3 0.51 0.88 1 0.51 0.94 0.74 0.51 0.079 -0.0 -0.6-0.69,00850.35 0.74 0.68 0.51 1 0.64 0.92 0.74 0.26 -0.57-0.580.0320.32 0.69 0.88 0.74 0.92 0.86 1 0.72 0.2 -0.57-0.580.0320.32 0.69 0.88 0.74 0.92 0.86 1 0.72 0.2 -0.49 0.27 0.49 0.18 0.074 0.59 0.72 1 0.16 -0.27 -0.4 0.18 0.04 0.22 0.19 0.075 0.26 0.089 0.2 0.16 1 -0.67 0.40 0.18 0.04 0.22 0.19 0.075 0.26 0.089 0.2 0.16 1 -0.67 0.40 0.18 0.04 0.22 0.19 0.075 0.26 0.089 0.2 0.16 1 -0.60 0.00 0.00 0.00 0.00 0.00 0.00 0.0
	5 10 15 20 25 30

 3
 4
 6
 2012
 25
 89
 13
 2.5
 28.6
 1.3
 6.9
 0.0
 1.7
 0.0
 not fire
 0

 4
 5
 6
 2012
 27
 77
 16
 0.0
 64.8
 3.0
 14.2
 1.2
 3.9
 0.5
 not fire
 0

import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
import seaborn as sns