In [1]: import pandas as pd

In [2]: data=pd.read_csv("/home/placement/Downloads/arunachal(1).csv")

In [3]: data

Out[3]:

:	Unna	med: 0	SUBDIVISION	YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC	ANNUAL	Jan- Feb	Mar- May	•
_	0	110	ARUNACHAL PRADESH	1916	48.1	69.8	71.1	316.1	424.6	1124.9	NaN	629.7	333.9	NaN	NaN	NaN	NaN	117.9	811.8	
	1	111	ARUNACHAL PRADESH	1917	21.4	164.5	NaN	269.6	107.9	823.8	909.1	628.4	411.5	199.3	63.5	0.0	NaN	185.9	NaN	27
	2	112	ARUNACHAL PRADESH	1918	10.4	11.0	191.2	144.6	861.1	1609.9	1303.0	692.6	515.8	125.2	7.8	13.7	5486.3	21.4	1196.9	41
	3	113	ARUNACHAL PRADESH	1919	34.5	67.8	28.5	256.9	420.6	973.6	999.0	286.7	628.7	948.3	40.7	8.6	4693.9	102.3	706.0	28
	4	114	ARUNACHAL PRADESH	1920	14.0	196.3	605.6	364.7	173.6	840.6	535.4	896.5	376.7	103.3	0.0	0.0	4106.7	210.3	1143.9	26
	86	196	ARUNACHAL PRADESH	2005	48.4	167.6	229.5	195.3	179.8	269.3	430.8	400.0	243.6	139.3	28.6	3.3	2335.5	216.0	604.6	13
	87	197	ARUNACHAL PRADESH	2006	6.0	103.7	63.3	202.7	321.7	520.4	382.2	227.6	263.2	77.2	69.7	21.7	2259.6	109.7	587.7	13
	88	198	ARUNACHAL PRADESH	2007	13.4	97.4	48.1	292.4	250.4	530.2	761.0	364.6	529.3	102.6	24.3	6.9	3020.7	110.8	590.9	21
	89	199	ARUNACHAL PRADESH	2008	76.7	39.7	122.6	192.4	185.0	423.6	456.1	439.3	189.7	115.1	1.7	2.6	2244.4	116.4	499.9	15
	90	200	ARUNACHAL PRADESH	2009	18.0	92.8	72.1	132.7	189.9	259.1	329.9	370.3	152.5	82.9	33.9	15.9	1749.9	110.8	394.7	11

91 rows × 20 columns

In []:

In [12]: data.describe()

Out[12]:

	Unnamed: 0	YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
count	91.00000	91.000000	90.000000	90.000000	89.000000	91.000000	91.000000	90.000000	90.000000	91.000000	91.000000
mean	155.00000	1962.747253	48.598889	93.966667	154.446067	262.990110	364.651648	659.556667	711.963333	502.163736	433.273626
std	26.41338	27.695003	34.687078	46.258375	87.918484	113.395773	181.095447	311.642230	356.372598	275.716730	204.991358
min	110.00000	1916.000000	1.800000	6.100000	28.500000	94.700000	101.800000	239.400000	233.000000	172.400000	152.500000
25%	132.50000	1938.500000	20.075000	65.625000	101.700000	180.600000	237.150000	425.675000	442.150000	301.100000	282.150000
50%	155.00000	1964.000000	45.400000	87.600000	141.700000	245.400000	314.600000	545.750000	613.000000	411.600000	384.300000
75%	177.50000	1986.500000	65.150000	120.400000	189.600000	335.300000	447.050000	840.400000	922.075000	669.200000	521.150000
max	200.00000	2009.000000	164.500000	208.500000	605.600000	595.100000	1168.600000	1609.900000	2362.800000	1664.600000	1222.000000

```
In [4]: list(data)
Out[4]: ['Unnamed: 0',
          'SUBDIVISION',
          'YEAR',
          'JAN',
          'FEB',
          'MAR',
          'APR',
          'MAY',
          'JUN',
          'JUL',
          'AUG',
          'SEP',
          'OCT',
          'NOV',
          'DEC',
          'ANNUAL',
          'Jan-Feb',
          'Mar-May',
          'Jun-Sep',
          'Oct-Dec']
In [5]: data1=data.drop(['Unnamed: 0'],axis=1)
```

```
In [6]: data1.info()
```

<class 'pandas.core.frame.DataFrame'>
RangeIndex: 91 entries, 0 to 90
Data columns (total 19 columns):
Columns | Non Note | Page | Pa

#	Column		•	
#	Cocuiiii	NOII.	-Nuct Coun	t Dtype
0	SUBDIVISION	91 1	 non-null	object
1	YEAR		non-null	int64
2	JAN		non-null	float64
3	FEB	90 r	non-null	float64
4	MAR	89 r	non-null	float64
5	APR	91 r	non-null	float64
6	MAY	91 r	non-null	float64
7	JUN	90 r	non-null	float64
8	JUL	90 r	non-null	float64
9	AUG	91 r	non-null	float64
10	SEP	91 r	non-null	float64
11	0CT	89 r	non-null	float64
12	NOV	89 r	non-null	float64
13	DEC	89 r	non-null	float64
14	ANNUAL	85 r	non-null	float64
15	Jan-Feb	90 r	non-null	float64
16	Mar-May	89 r	non-null	float64
17	Jun-Sep	89 r	non-null	float64
18	Oct-Dec	88	non-null	float64
dtype	es: float64(1	7), :	int64(1),	object(1)
memoı	ry usage: 13.	6+ KI	В	

```
In [7]: data.isna().sum()
Out[7]: Unnamed: 0
                        0
        SUBDIVISION
                        0
        YEAR
                        0
        JAN
        FEB
        MAR
        APR
        MAY
                        0
        JUN
        JUL
        AUG
                        0
        SEP
        0CT
        NOV
                        2
        DEC
        ANNUAL
        Jan-Feb
        Mar-May
        Jun-Sep
        Oct-Dec
        dtype: int64
In [8]: data2=data1.fillna(data.mean())
```

/tmp/ipykernel_4871/3105188393.py:1: FutureWarning: The default value of numeric_only in DataFrame.mean is
deprecated. In a future version, it will default to False. In addition, specifying 'numeric_only=None' is
deprecated. Select only valid columns or specify the value of numeric_only to silence this warning.
 data2=data1.fillna(data.mean())

Out[9]:																	
	YEAR JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC ANNU Jan Mar Jun Oct		0 0 0 0 0 0 0 0 0 0 0 0														
In [10]:	data	a2.head()															
In [10]: Out[10]:		a2.head()	YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ост	NOV	DEC	ANNUAL	J F
			YEAR 1916		FEB 69.8	MAR 71.100000				JUL 711.963333		SEP 333.9					J F
	0	SUBDIVISION ARUNACHAL	1916	48.1	69.8		316.1	424.6			629.7	333.9	200.37191	36.257303	24.91573	3475.443529	F
	0	ARUNACHAL PRADESH ARUNACHAL	1916 1917	48.1	69.8	71.100000	316.1 269.6	424.6 107.9	1124.9 823.8	711.963333	629.7 628.4	333.9 411.5	200.37191	36.257303	24.91573	3475.443529	11
	0 1 2	ARUNACHAL PRADESH ARUNACHAL PRADESH ARUNACHAL	1916 1917	48.1 21.4 10.4	69.8	71.100000 154.446067	316.1 269.6 144.6	424.6 107.9 861.1	1124.9 823.8	711.963333 909.100000	629.7 628.4 692.6	333.9 411.5 515.8	200.37191 199.30000 125.20000	36.257303 63.500000 7.800000	24.91573 0.00000 13.70000	3475.443529 3475.443529	11 18 2

In [11]: data3=data1.fillna(data.mode()) data3

Out[11]:

	SUBDIVISION	YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ост	NOV	DEC	ANNUAL	Jan- Feb	Mar- May	Jun- Sep	Oct- Dec
0	ARUNACHAL PRADESH	1916	48.1	69.8	71.1	316.1	424.6	1124.9	593.0	629.7	333.9	58.5	7.8	0.0	1668.5	117.9	811.8	1111.8	130.7
1	ARUNACHAL PRADESH	1917	21.4	164.5	32.9	269.6	107.9	823.8	909.1	628.4	411.5	199.3	63.5	0.0	1749.9	185.9	379.7	2772.8	262.8
2	ARUNACHAL PRADESH	1918	10.4	11.0	191.2	144.6	861.1	1609.9	1303.0	692.6	515.8	125.2	7.8	13.7	5486.3	21.4	1196.9	4121.3	146.7
3	ARUNACHAL PRADESH	1919	34.5	67.8	28.5	256.9	420.6	973.6	999.0	286.7	628.7	948.3	40.7	8.6	4693.9	102.3	706.0	2888.0	997.6
4	ARUNACHAL PRADESH	1920	14.0	196.3	605.6	364.7	173.6	840.6	535.4	896.5	376.7	103.3	0.0	0.0	4106.7	210.3	1143.9	2649.2	103.3
86	ARUNACHAL PRADESH	2005	48.4	167.6	229.5	195.3	179.8	269.3	430.8	400.0	243.6	139.3	28.6	3.3	2335.5	216.0	604.6	1343.7	171.2
87	ARUNACHAL PRADESH	2006	6.0	103.7	63.3	202.7	321.7	520.4	382.2	227.6	263.2	77.2	69.7	21.7	2259.6	109.7	587.7	1393.5	168.7
88	ARUNACHAL PRADESH	2007	13.4	97.4	48.1	292.4	250.4	530.2	761.0	364.6	529.3	102.6	24.3	6.9	3020.7	110.8	590.9	2185.1	133.9
89	ARUNACHAL PRADESH	2008	76.7	39.7	122.6	192.4	185.0	423.6	456.1	439.3	189.7	115.1	1.7	2.6	2244.4	116.4	499.9	1508.7	119.4
90	ARUNACHAL PRADESH	2009	18.0	92.8	72.1	132.7	189.9	259.1	329.9	370.3	152.5	82.9	33.9	15.9	1749.9	110.8	394.7	1111.8	132.7

91 rows × 19 columns

In []: