In [54]:

```python
import pandas as pd
```

In [55]:

```python
data=pd.read_csv("/home/placement/Downloads//arunachal.csv")
```

In [56]:

```python
data.info()
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 91 entries, 0 to 90
Data columns (total 20 columns):
 #   Column       Non-Null Count  Dtype
---  ------       --------------  -----
 0   Unnamed: 0   91 non-null     int64
 1   SUBDIVISION  91 non-null     object
 2   YEAR         91 non-null     int64
 3   JAN          90 non-null     float64
 4   FEB          90 non-null     float64
 5   MAR          89 non-null     float64
 6   APR          91 non-null     float64
 7   MAY          91 non-null     float64
 8   JUN          90 non-null     float64
 9   JUL          90 non-null     float64
 10  AUG          91 non-null     float64
 11  SEP          91 non-null     float64
 12  OCT          89 non-null     float64
 13  NOV          89 non-null     float64
 14  DEC          89 non-null     float64
 15  ANNUAL       85 non-null     float64
 16  Jan-Feb      90 non-null     float64
 17  Mar-May      89 non-null     float64
 18  Jun-Sep      89 non-null     float64
 19  Oct-Dec      88 non-null     float64
dtypes: float64(17), int64(2), object(1)
memory usage: 14.3+ KB
```

In [57]:

```python
list(data)
```

Out[57]:

```
['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 [58]:

```python
data.head()
```

Out[58]:

	Unnamed: 0	SUBDIVISION	YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	S
0	110	ARUNACHAL PRADESH	1916	48.1	69.8	71.1	316.1	424.6	1124.9	NaN	629.7	33
1	111	ARUNACHAL PRADESH	1917	21.4	164.5	NaN	269.6	107.9	823.8	909.1	628.4	41
2	112	ARUNACHAL PRADESH	1918	10.4	11.0	191.2	144.6	861.1	1609.9	1303.0	692.6	51
3	113	ARUNACHAL PRADESH	1919	34.5	67.8	28.5	256.9	420.6	973.6	999.0	286.7	62
4	114	ARUNACHAL PRADESH	1920	14.0	196.3	605.6	364.7	173.6	840.6	535.4	896.5	37

In [59]:

```python
data.isna().sum()
```

Out[59]:

```
Unnamed: 0      0
SUBDIVISION     0
YEAR            0
JAN             1
FEB             1
MAR             2
APR             0
MAY             0
JUN             1
JUL             1
AUG             0
SEP             0
OCT             2
NOV             2
DEC             2
ANNUAL          6
Jan-Feb         1
Mar-May         2
Jun-Sep         2
Oct-Dec         3
dtype: int64
```

In [60]:

```python
data1=data.drop(['JUL'],axis=1)
```

In [61]:

```
data1
```

Out[61]:

	Unnamed: 0	SUBDIVISION	YEAR	JAN	FEB	MAR	APR	MAY	JUN	AUG	SEP	C
0	110	ARUNACHAL PRADESH	1916	48.1	69.8	71.1	316.1	424.6	1124.9	629.7	333.9	N
1	111	ARUNACHAL PRADESH	1917	21.4	164.5	NaN	269.6	107.9	823.8	628.4	411.5	19
2	112	ARUNACHAL PRADESH	1918	10.4	11.0	191.2	144.6	861.1	1609.9	692.6	515.8	12
3	113	ARUNACHAL PRADESH	1919	34.5	67.8	28.5	256.9	420.6	973.6	286.7	628.7	94
4	114	ARUNACHAL PRADESH	1920	14.0	196.3	605.6	364.7	173.6	840.6	896.5	376.7	10
...	...	...	...	...	...	...	...	...	...	...	...	
86	196	ARUNACHAL PRADESH	2005	48.4	167.6	229.5	195.3	179.8	269.3	400.0	243.6	13
87	197	ARUNACHAL PRADESH	2006	6.0	103.7	63.3	202.7	321.7	520.4	227.6	263.2	7
88	198	ARUNACHAL PRADESH	2007	13.4	97.4	48.1	292.4	250.4	530.2	364.6	529.3	10
89	199	ARUNACHAL PRADESH	2008	76.7	39.7	122.6	192.4	185.0	423.6	439.3	189.7	11
90	200	ARUNACHAL PRADESH	2009	18.0	92.8	72.1	132.7	189.9	259.1	370.3	152.5	8

91 rows × 19 columns

In [62]:

```
data
```

Out[62]:

	Unnamed: 0	SUBDIVISION	YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
0	110	ARUNACHAL PRADESH	1916	48.1	69.8	71.1	316.1	424.6	1124.9	NaN	629.7	3
1	111	ARUNACHAL PRADESH	1917	21.4	164.5	NaN	269.6	107.9	823.8	909.1	628.4	4
2	112	ARUNACHAL PRADESH	1918	10.4	11.0	191.2	144.6	861.1	1609.9	1303.0	692.6	5
3	113	ARUNACHAL PRADESH	1919	34.5	67.8	28.5	256.9	420.6	973.6	999.0	286.7	6
4	114	ARUNACHAL PRADESH	1920	14.0	196.3	605.6	364.7	173.6	840.6	535.4	896.5	3
...	...	...	...	...	...	...	...	...	...	...	...
86	196	ARUNACHAL PRADESH	2005	48.4	167.6	229.5	195.3	179.8	269.3	430.8	400.0	2
87	197	ARUNACHAL PRADESH	2006	6.0	103.7	63.3	202.7	321.7	520.4	382.2	227.6	2
88	198	ARUNACHAL PRADESH	2007	13.4	97.4	48.1	292.4	250.4	530.2	761.0	364.6	5
89	199	ARUNACHAL PRADESH	2008	76.7	39.7	122.6	192.4	185.0	423.6	456.1	439.3	1
90	200	ARUNACHAL PRADESH	2009	18.0	92.8	72.1	132.7	189.9	259.1	329.9	370.3	1

91 rows × 20 columns

In [63]:

```
data=data.fillna(data.median())
```

```
/tmp/ipykernel_6131/495656529.py:1: FutureWarning: The default value o
f numeric_only in DataFrame.median 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 numer
ic_only to silence this warning.
  data=data.fillna(data.median())
```

In [64]:

```python
data.isna().sum()
```

Out[64]:

```
Unnamed: 0      0
SUBDIVISION     0
YEAR            0
JAN             0
FEB             0
MAR             0
APR             0
MAY             0
JUN             0
JUL             0
AUG             0
SEP             0
OCT             0
NOV             0
DEC             0
ANNUAL          0
Jan-Feb         0
Mar-May         0
Jun-Sep         0
Oct-Dec         0
dtype: int64
```

In [65]:

```
data
```

Out[65]:

	Unnamed: 0	SUBDIVISION	YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	
0	110	ARUNACHAL PRADESH	1916	48.1	69.8	71.1	316.1	424.6	1124.9	613.0	629.7	3
1	111	ARUNACHAL PRADESH	1917	21.4	164.5	141.7	269.6	107.9	823.8	909.1	628.4	4
2	112	ARUNACHAL PRADESH	1918	10.4	11.0	191.2	144.6	861.1	1609.9	1303.0	692.6	5
3	113	ARUNACHAL PRADESH	1919	34.5	67.8	28.5	256.9	420.6	973.6	999.0	286.7	6
4	114	ARUNACHAL PRADESH	1920	14.0	196.3	605.6	364.7	173.6	840.6	535.4	896.5	3
...	...	...	...	...	...	...	...	...	...	...	...	
86	196	ARUNACHAL PRADESH	2005	48.4	167.6	229.5	195.3	179.8	269.3	430.8	400.0	2
87	197	ARUNACHAL PRADESH	2006	6.0	103.7	63.3	202.7	321.7	520.4	382.2	227.6	2
88	198	ARUNACHAL PRADESH	2007	13.4	97.4	48.1	292.4	250.4	530.2	761.0	364.6	5
89	199	ARUNACHAL PRADESH	2008	76.7	39.7	122.6	192.4	185.0	423.6	456.1	439.3	1
90	200	ARUNACHAL PRADESH	2009	18.0	92.8	72.1	132.7	189.9	259.1	329.9	370.3	1

91 rows × 20 columns

In [66]:

```python
data.sum()
```

Out[66]:

```
Unnamed: 0                                              14105
SUBDIVISION    ARUNACHAL PRADESHARUNACHAL PRADESHARUNACHAL PR...
YEAR                                                  178610
JAN                                                   4419.3
FEB                                                   8544.6
MAR                                                  14029.1
APR                                                  23932.1
MAY                                                  33183.3
JUN                                                 59905.85
JUL                                                  64689.7
AUG                                                  45696.9
SEP                                                  39427.9
OCT                                                  18186.3
NOV                                                   3278.7
DEC                                                   2249.9
ANNUAL                                               316011.9
Jan-Feb                                               12962.0
Mar-May                                               71253.6
Jun-Sep                                              210017.3
Oct-Dec                                              23659.75
dtype: object
```

In [ ]: