In [1]: import pandas as pd
data=pd.read_csv("/home/placement/Downloads/rainfall in india 1901-2015.csv")

In [2]: data.describe()

Out[2]:

	YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
count	4116.000000	4112.000000	4113.000000	4110.000000	4112.000000	4113.000000	4111.000000	4109.000000	4112.000000	4110.000000	4109.0
mean	1958.218659	18.957320	21.805325	27.359197	43.127432	85.745417	230.234444	347.214334	290.263497	197.361922	95.5
std	33.140898	33.585371	35.909488	46.959424	67.831168	123.234904	234.710758	269.539667	188.770477	135.408345	99.5
min	1901.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.400000	0.000000	0.000000	0.100000	0.0
25%	1930.000000	0.600000	0.600000	1.000000	3.000000	8.600000	70.350000	175.600000	155.975000	100.525000	14.6
50%	1958.000000	6.000000	6.700000	7.800000	15.700000	36.600000	138.700000	284.800000	259.400000	173.900000	65.2
75%	1987.000000	22.200000	26.800000	31.300000	49.950000	97.200000	305.150000	418.400000	377.800000	265.800000	148.4
max	2015.000000	583.700000	403.500000	605.600000	595.100000	1168.600000	1609.900000	2362.800000	1664.600000	1222.000000	948.3

```
In [3]: data.info()
```

<class 'pandas.core.frame.DataFrame'>
RangeIndex: 4116 entries, 0 to 4115
Data columns (total 19 columns):

vata	•	at 19 Cotumns).	
#	Column	Non-Null Count	Dtype
0	SUBDIVISION	4116 non-null	object
1	YEAR	4116 non-null	int64
2	JAN	4112 non-null	float64
3	FEB	4113 non-null	float64
4	MAR	4110 non-null	float64
5	APR	4112 non-null	float64
6	MAY	4113 non-null	float64
7	JUN	4111 non-null	float64
8	JUL	4109 non-null	float64
9	AUG	4112 non-null	float64
10	SEP	4110 non-null	float64
11	0CT	4109 non-null	float64
12	NOV	4105 non-null	float64
13	DEC	4106 non-null	float64
14	ANNUAL	4090 non-null	float64
15	Jan-Feb	4110 non-null	float64
16	Mar-May	4107 non-null	float64
17	Jun-Sep	4106 non-null	float64
18	Oct-Dec	4103 non-null	float64
dtype	es: float64(17	7), int64(1), obj	ject(1)
memoi	ry usage: 611.	.1+ KB	-

In [4]: data.groupby(['SUBDIVISION']).count()

Out[4]:

	YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ост	NOV	DEC	ANNUAL	Jan- Feb	Mar- May	Jun- Sep	Oct- Dec
SUBDIVISION																		
ANDAMAN & NICOBAR ISLANDS	110	110	110	108	108	109	108	108	108	107	108	108	107	104	110	107	107	107
ARUNACHAL PRADESH	97	96	96	95	97	97	96	96	97	97	95	95	95	91	96	95	95	94
ASSAM & MEGHALAYA	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115
BIHAR	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115
CHHATTISGARH	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115
COASTAL ANDHRA PRADESH	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115
COASTAL KARNATAKA	115	114	115	115	115	115	115	115	115	115	115	115	115	114	114	115	115	115
EAST MADHYA PRADESH	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115
EAST RAJASTHAN	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115
EAST UTTAR PRADESH	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115
GANGETIC WEST BENGAL	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115
GUJARAT REGION	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115
HARYANA DELHI & CHANDIGARH	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115
HIMACHAL PRADESH	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115
JAMMU & KASHMIR	115	115	115	115	115	115	115	114	115	115	115	114	114	114	115	115	114	114
JHARKHAND	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115
KERALA	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115
KONKAN & GOA	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115
LAKSHADWEEP	114	112	113	112	112	112	112	111	112	111	111	108	110	103	111	110	110	108
MADHYA MAHARASHTRA	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115

	YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ост	NOV	DEC	ANNUAL	Jan- Feb	Mar- May	Jun- Sep	Oct- Dec
SUBDIVISION																		
MATATHWADA	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115
NAGA MANI MIZO TRIPURA	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115
NORTH INTERIOR KARNATAKA	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115
ORISSA	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115
PUNJAB	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115
RAYALSEEMA	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115
SAURASHTRA & KUTCH	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115
SOUTH INTERIOR KARNATAKA	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115
SUB HIMALAYAN WEST BENGAL & SIKKIM	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115
TAMIL NADU	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115
TELANGANA	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115
UTTARAKHAND	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115
VIDARBHA	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115

```
In [5]: data.isna().sum()
Out[5]: SUBDIVISION
                          0
                          0
4
        YEAR
         JAN
        FEB
        MAR
        APR
        MAY
        JUN
         JUL
                          4
6
        AUG
        SEP
        0CT
                          7
        NOV
                         11
        DEC
                         10
        ANNUAL
                         26
         Jan-Feb
                          6
                          9
        Mar-May
        Jun-Sep
                         10
        Oct-Dec
                         13
        dtype: int64
In [6]: data1=data.loc[(data.YEAR<=2010)]</pre>
```

In [7]: data1

Out[7]:

	SUBDIVISION	YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ост	NOV	DEC	ANNUAL	Jan- Feb	Mar- May	Jun- Sep	Oc D€
0	ANDAMAN & NICOBAR ISLANDS	1901	49.2	87.1	29.2	2.3	528.8	517.5	365.1	481.1	332.6	388.5	558.2	33.6	3373.2	136.3	560.3	1696.3	980
1	ANDAMAN & NICOBAR ISLANDS	1902	0.0	159.8	12.2	0.0	446.1	537.1	228.9	753.7	666.2	197.2	359.0	160.5	3520.7	159.8	458.3	2185.9	716
2	ANDAMAN & NICOBAR ISLANDS	1903	12.7	144.0	0.0	1.0	235.1	479.9	728.4	326.7	339.0	181.2	284.4	225.0	2957.4	156.7	236.1	1874.0	690
3	ANDAMAN & NICOBAR ISLANDS	1904	9.4	14.7	0.0	202.4	304.5	495.1	502.0	160.1	820.4	222.2	308.7	40.1	3079.6	24.1	506.9	1977.6	571
4	ANDAMAN & NICOBAR ISLANDS	1905	1.3	0.0	3.3	26.9	279.5	628.7	368.7	330.5	297.0	260.7	25.4	344.7	2566.7	1.3	309.7	1624.9	630
4106	LAKSHADWEEP	2006	20.1	0.0	33.0	0.3	327.9	286.9	172.3	150.7	318.5	119.1	158.9	10.9	1598.6	20.1	361.2	928.4	288
4107	LAKSHADWEEP	2007	2.5	4.2	0.2	22.2	166.2	573.4	427.4	294.7	457.5	256.1	47.6	109.6	2361.6	6.7	188.6	1753.0	413
4108	LAKSHADWEEP	2008	5.5	19.8	120.7	15.8	180.4	254.6	363.9	206.6	108.9	252.9	67.6	130.1	1726.8	25.3	316.9	934.0	450
4109	LAKSHADWEEP	2009	4.7	1.5	0.1	18.1	162.1	401.2	266.4	185.0	145.1	87.4	166.2	132.3	1570.1	6.2	180.3	997.7	385
4110	LAKSHADWEEP	2010	18.8	0.0	1.2	35.6	79.0	318.9	336.7	335.1	161.5	155.4	201.5	81.5	1725.2	18.8	115.8	1152.2	438

3936 rows × 19 columns

In [8]: data2=data.drop(['ANNUAL','Jan-Feb','Mar-May','Jun-Sep','Oct-Dec'],axis=1)

: data	2													
:	SUBDIVISION	YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ост	NOV	DEC
0	ANDAMAN & NICOBAR ISLANDS	1901	49.2	87.1	29.2	2.3	528.8	517.5	365.1	481.1	332.6	388.5	558.2	33.6
1	ANDAMAN & NICOBAR ISLANDS	1902	0.0	159.8	12.2	0.0	446.1	537.1	228.9	753.7	666.2	197.2	359.0	160.5
2	ANDAMAN & NICOBAR ISLANDS	1903	12.7	144.0	0.0	1.0	235.1	479.9	728.4	326.7	339.0	181.2	284.4	225.0
3	ANDAMAN & NICOBAR ISLANDS	1904	9.4	14.7	0.0	202.4	304.5	495.1	502.0	160.1	820.4	222.2	308.7	40.1
4	ANDAMAN & NICOBAR ISLANDS	1905	1.3	0.0	3.3	26.9	279.5	628.7	368.7	330.5	297.0	260.7	25.4	344.7
4111	LAKSHADWEEP	2011	5.1	2.8	3.1	85.9	107.2	153.6	350.2	254.0	255.2	117.4	184.3	14.9
4112	LAKSHADWEEP	2012	19.2	0.1	1.6	76.8	21.2	327.0	231.5	381.2	179.8	145.9	12.4	8.8
4113	LAKSHADWEEP	2013	26.2	34.4	37.5	5.3	88.3	426.2	296.4	154.4	180.0	72.8	78.1	26.7
4114	LAKSHADWEEP	2014	53.2	16.1	4.4	14.9	57.4	244.1	116.1	466.1	132.2	169.2	59.0	62.3
4115	LAKSHADWEEP	2015	2.2	0.5	3.7	87.1	133.1	296.6	257.5	146.4	160.4	165.4	231.0	159.0
4116	rows × 14 columns													
: data	l[' <mark>SUBDIVISION'</mark>].unique(()												
_	WALL TO THE TAXABLE T				<u> </u>		6111							

In [11]: data2=data1.loc[(data1.SUBDIVISION=='KERALA')]

In [12]: data2

Out[12]:

	SUBDIVISION	YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC	ANNUAL	Jan- Feb	Mar- May	Jun- Sep	Oct- Dec
3887	KERALA	1901	28.7	44.7	51.6	160.0	174.7	824.6	743.0	357.5	197.7	266.9	350.8	48.4	3248.6	73.4	386.2	2122.8	666.1
3888	KERALA	1902	6.7	2.6	57.3	83.9	134.5	390.9	1205.0	315.8	491.6	358.4	158.3	121.5	3326.6	9.3	275.7	2403.4	638.2
3889	KERALA	1903	3.2	18.6	3.1	83.6	249.7	558.6	1022.5	420.2	341.8	354.1	157.0	59.0	3271.2	21.7	336.3	2343.0	570.1
3890	KERALA	1904	23.7	3.0	32.2	71.5	235.7	1098.2	725.5	351.8	222.7	328.1	33.9	3.3	3129.7	26.7	339.4	2398.2	365.3
3891	KERALA	1905	1.2	22.3	9.4	105.9	263.3	850.2	520.5	293.6	217.2	383.5	74.4	0.2	2741.6	23.4	378.5	1881.5	458.1
3992	KERALA	2006	8.1	0.5	90.7	65.3	521.2	482.4	804.0	432.6	474.8	376.4	162.8	1.8	3420.6	8.6	677.2	2193.8	541.0
3993	KERALA	2007	0.5	5.6	7.3	138.5	192.7	705.9	966.3	489.6	526.7	357.2	87.4	11.9	3489.6	6.1	338.4	2688.5	456.5
3994	KERALA	2008	0.8	30.3	217.2	108.4	81.2	469.9	505.1	349.0	347.0	343.4	55.4	17.0	2524.5	31.1	406.7	1670.9	415.7
3995	KERALA	2009	3.3	1.5	62.6	69.0	191.6	438.2	924.9	269.3	326.5	205.2	274.4	44.2	2810.6	4.8	323.1	1958.9	523.8
3996	KERALA	2010	18.6	1.0	31.4	138.9	190.6	667.5	629.0	356.0	275.6	441.4	335.1	46.8	3131.8	19.6	360.9	1928.0	823.3

110 rows × 19 columns

```
In [13]: data2.isna().sum()
Out[13]: SUBDIVISION
                        0
         YEAR
                         0
         JAN
                         0
         FEB
         MAR
         APR
         MAY
         JUN
         JUL
         AUG
         SEP
         0CT
         NOV
         DEC
         ANNUAL
         Jan-Feb
         Mar-May
         Jun-Sep
         Oct-Dec
         dtype: int64
In [14]: import warnings
         warnings.filterwarnings('ignore')
In [15]: data2['ANNUAL RAIN']=data2.apply(lambda row: row.JAN + row.FEB,axis=1)
```

In [16]: data2

Out[16]:

	SUBDIVISION	YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ост	NOV	DEC	ANNUAL	Jan- Feb	Mar- May	Jun- Sep	Oct- Dec
3887	KERALA	1901	28.7	44.7	51.6	160.0	174.7	824.6	743.0	357.5	197.7	266.9	350.8	48.4	3248.6	73.4	386.2	2122.8	666.1
3888	KERALA	1902	6.7	2.6	57.3	83.9	134.5	390.9	1205.0	315.8	491.6	358.4	158.3	121.5	3326.6	9.3	275.7	2403.4	638.2
3889	KERALA	1903	3.2	18.6	3.1	83.6	249.7	558.6	1022.5	420.2	341.8	354.1	157.0	59.0	3271.2	21.7	336.3	2343.0	570.1
3890	KERALA	1904	23.7	3.0	32.2	71.5	235.7	1098.2	725.5	351.8	222.7	328.1	33.9	3.3	3129.7	26.7	339.4	2398.2	365.3
3891	KERALA	1905	1.2	22.3	9.4	105.9	263.3	850.2	520.5	293.6	217.2	383.5	74.4	0.2	2741.6	23.4	378.5	1881.5	458.1

3992	KERALA	2006	8.1	0.5	90.7	65.3	521.2	482.4	804.0	432.6	474.8	376.4	162.8	1.8	3420.6	8.6	677.2	2193.8	541.0
3993	KERALA	2007	0.5	5.6	7.3	138.5	192.7	705.9	966.3	489.6	526.7	357.2	87.4	11.9	3489.6	6.1	338.4	2688.5	456.5
3994	KERALA	2008	8.0	30.3	217.2	108.4	81.2	469.9	505.1	349.0	347.0	343.4	55.4	17.0	2524.5	31.1	406.7	1670.9	415.7
3995	KERALA	2009	3.3	1.5	62.6	69.0	191.6	438.2	924.9	269.3	326.5	205.2	274.4	44.2	2810.6	4.8	323.1	1958.9	523.8
3996	KERALA	2010	18.6	1.0	31.4	138.9	190.6	667.5	629.0	356.0	275.6	441.4	335.1	46.8	3131.8	19.6	360.9	1928.0	823.3

110 rows × 20 columns

In [17]: data2['ANNUAL RAIN']=data2.apply(lambda row: row.JAN + row.FEB+row.MAR+row.APR+row.MAY+row.JUN+row.JUL+row./

In [18]: data2

Out[18]:

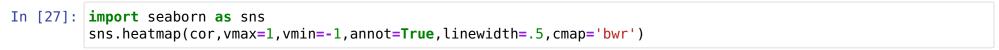
	SUBDIVISION	YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ост	NOV	DEC	ANNUAL	Jan- Feb	Mar- May	Jun- Sep	Oct- Dec
3887	KERALA	1901	28.7	44.7	51.6	160.0	174.7	824.6	743.0	357.5	197.7	266.9	350.8	48.4	3248.6	73.4	386.2	2122.8	666.1
3888	KERALA	1902	6.7	2.6	57.3	83.9	134.5	390.9	1205.0	315.8	491.6	358.4	158.3	121.5	3326.6	9.3	275.7	2403.4	638.2
3889	KERALA	1903	3.2	18.6	3.1	83.6	249.7	558.6	1022.5	420.2	341.8	354.1	157.0	59.0	3271.2	21.7	336.3	2343.0	570.1
3890	KERALA	1904	23.7	3.0	32.2	71.5	235.7	1098.2	725.5	351.8	222.7	328.1	33.9	3.3	3129.7	26.7	339.4	2398.2	365.3
3891	KERALA	1905	1.2	22.3	9.4	105.9	263.3	850.2	520.5	293.6	217.2	383.5	74.4	0.2	2741.6	23.4	378.5	1881.5	458.1
3992	KERALA	2006	8.1	0.5	90.7	65.3	521.2	482.4	804.0	432.6	474.8	376.4	162.8	1.8	3420.6	8.6	677.2	2193.8	541.0
3993	KERALA	2007	0.5	5.6	7.3	138.5	192.7	705.9	966.3	489.6	526.7	357.2	87.4	11.9	3489.6	6.1	338.4	2688.5	456.5
3994	KERALA	2008	0.8	30.3	217.2	108.4	81.2	469.9	505.1	349.0	347.0	343.4	55.4	17.0	2524.5	31.1	406.7	1670.9	415.7
3995	KERALA	2009	3.3	1.5	62.6	69.0	191.6	438.2	924.9	269.3	326.5	205.2	274.4	44.2	2810.6	4.8	323.1	1958.9	523.8
3996	KERALA	2010	18.6	1.0	31.4	138.9	190.6	667.5	629.0	356.0	275.6	441.4	335.1	46.8	3131.8	19.6	360.9	1928.0	823.3

110 rows × 20 columns

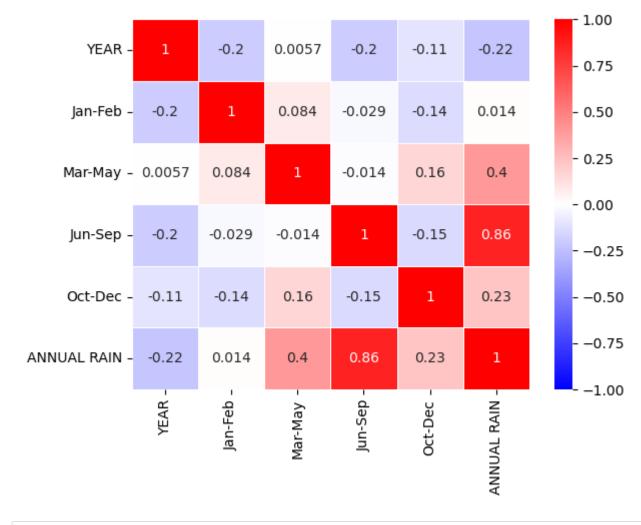
In [19]: cor=data.corr()
cor

Out[19]:

	YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ост	NOV	DEC
YEAR	1.000000	-0.056235	-0.022144	0.020338	0.008007	0.003594	-0.013594	-0.016240	0.006442	-0.006670	0.002406	-0.018776	-0.019139
JAN	-0.056235	1.000000	0.456183	0.398502	0.209302	0.129622	-0.033725	-0.051642	0.011952	0.024289	0.012374	0.067281	0.219701
FEB	-0.022144	0.456183	1.000000	0.579819	0.367114	0.203062	0.033703	0.016235	0.072159	0.080148	-0.004581	-0.023413	0.132570
MAR	0.020338	0.398502	0.579819	1.000000	0.556856	0.362815	0.165857	0.097334	0.135071	0.178904	0.086187	0.008814	0.136328
APR	0.008007	0.209302	0.367114	0.556856	1.000000	0.650595	0.457091	0.268097	0.256168	0.382525	0.368886	0.165642	0.132892
MAY	0.003594	0.129622	0.203062	0.362815	0.650595	1.000000	0.567618	0.332283	0.329499	0.492378	0.529342	0.351931	0.250112
JUN	-0.013594	-0.033725	0.033703	0.165857	0.457091	0.567618	1.000000	0.741285	0.655142	0.551890	0.490393	0.229718	0.088782
JUL	-0.016240	-0.051642	0.016235	0.097334	0.268097	0.332283	0.741285	1.000000	0.686662	0.513067	0.299221	0.042671	-0.019427
AUG	0.006442	0.011952	0.072159	0.135071	0.256168	0.329499	0.655142	0.686662	1.000000	0.497037	0.250600	0.017488	0.001648
SEP	-0.006670	0.024289	0.080148	0.178904	0.382525	0.492378	0.551890	0.513067	0.497037	1.000000	0.384138	0.153465	0.109457
ОСТ	0.002406	0.012374	-0.004581	0.086187	0.368886	0.529342	0.490393	0.299221	0.250600	0.384138	1.000000	0.477503	0.281172
NOV	-0.018776	0.067281	-0.023413	0.008814	0.165642	0.351931	0.229718	0.042671	0.017488	0.153465	0.477503	1.000000	0.451407
DEC	-0.019139	0.219701	0.132570	0.136328	0.132892	0.250112	0.088782	-0.019427	0.001648	0.109457	0.281172	0.451407	1.000000
ANNUAL	-0.008044	0.105696	0.181563	0.322199	0.577573	0.698013	0.891303	0.812279	0.759304	0.715135	0.587065	0.308768	0.207176
Jan-Feb	-0.044653	0.842390	0.863815	0.576366	0.340841	0.196168	0.001016	-0.019157	0.050918	0.062131	0.003743	0.022885	0.204848
Mar-May	0.010637	0.242256	0.382620	0.642294	0.864172	0.915019	0.538562	0.313726	0.318347	0.470032	0.468048	0.272268	0.228473
Jun-Sep	-0.009418	-0.022748	0.051066	0.162055	0.394859	0.496164	0.893968	0.907723	0.840352	0.701980	0.416350	0.126338	0.042440
Oct-Dec	-0.010155	0.090932	0.021878	0.090108	0.321407	0.523684	0.409050	0.190400	0.156293	0.319832	0.862761	0.808798	0.606658



Out[27]: <Axes: >



In [21]: data2=data2.drop(['SUBDIVISION','JAN','FEB','MAR','APR','MAY','JUN','JUL','AUG','SEP','OCT','NOV','DEC','ANI

In [22]: data2

Out[22]:

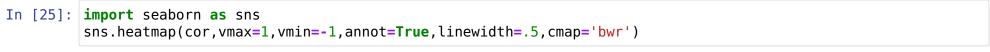
	YEAR	Jan-Feb	Mar-May	Jun-Sep	Oct-Dec	ANNUAL RAIN
3887	1901	73.4	386.2	2122.8	666.1	3248.6
3888	1902	9.3	275.7	2403.4	638.2	3326.5
3889	1903	21.7	336.3	2343.0	570.1	3271.4
3890	1904	26.7	339.4	2398.2	365.3	3129.6
3891	1905	23.4	378.5	1881.5	458.1	2741.7
3992	2006	8.6	677.2	2193.8	541.0	3420.6
3993	2007	6.1	338.4	2688.5	456.5	3489.6
3994	2008	31.1	406.7	1670.9	415.7	2524.7
3995	2009	4.8	323.1	1958.9	523.8	2810.7
3996	2010	19.6	360.9	1928.0	823.3	3131.9

110 rows × 6 columns

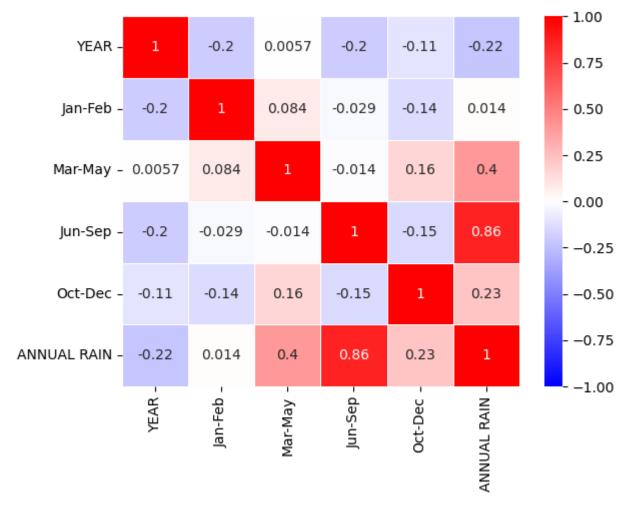
In [23]: cor=data2.corr() cor

Out[23]:

	YEAR	Jan-Feb	Mar-May	Jun-Sep	Oct-Dec	ANNUAL RAIN
YEAR	1.000000	-0.195356	0.005666	-0.200507	-0.106562	-0.224014
Jan-Feb	-0.195356	1.000000	0.083762	-0.028765	-0.137987	0.014396
Mar-May	0.005666	0.083762	1.000000	-0.014441	0.157126	0.402308
Jun-Sep	-0.200507	-0.028765	-0.014441	1.000000	-0.145365	0.859485
Oct-Dec	-0.106562	-0.137987	0.157126	-0.145365	1.000000	0.226826
ANNUAL RAIN	-0.224014	0.014396	0.402308	0.859485	0.226826	1.000000



Out[25]: <Axes: >



In []: