# Vijay(Book11) 04/08/2023

## Out[2]:

	index	SUBDIVISION	YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ост
0	2852	VIDARBHA	1901	36.8	39.9	30.9	26.1	7.3	129.7	295.3	368.8	123.4	35.2
1	2853	VIDARBHA	1902	1.6	0.1	0.0	6.5	4.1	38.0	270.7	204.7	150.9	29.6
2	2854	VIDARBHA	1903	5.2	4.0	0.1	2.5	37.8	121.2	475.5	325.5	154.8	100.8
3	2855	VIDARBHA	1904	4.3	2.4	12.9	0.2	14.8	148.9	158.3	151.8	196.9	61.7
4	2856	VIDARBHA	1905	7.3	12.7	12.4	16.2	14.0	81.0	254.5	216.3	321.3	6.0
110	2962	VIDARBHA	2011	0.0	1.2	0.1	7.7	0.6	137.9	247.1	302.8	191.0	4.7
111	2963	VIDARBHA	2012	3.1	0.1	0.0	0.6	0.2	125.5	370.5	316.2	249.4	34.9
112	2964	VIDARBHA	2013	6.6	13.0	3.8	2.8	0.5	366.7	535.5	326.1	131.7	133.5
113	2965	VIDARBHA	2014	1.2	18.3	49.6	2.6	4.0	63.3	337.6	191.7	224.9	17.3
114	2966	VIDARBHA	2015	26.3	4.7	66.3	28.1	12.8	254.6	137.2	288.9	167.5	7.0

115 rows × 20 columns

```
In [3]: 1 a.info()
```

<class 'pandas.core.frame.DataFrame'>
RangeIndex: 115 entries, 0 to 114
Data columns (total 20 columns):

#	Column	Non-Null Count	Dtype				
0	index	115 non-null	int64				
1	SUBDIVISION	115 non-null	object				
2	YEAR	115 non-null	int64				
3	JAN	115 non-null	float64				
4	FEB	115 non-null	float64				
5	MAR	115 non-null	float64				
6	APR	115 non-null	float64				
7	MAY	115 non-null	float64				
8	JUN	115 non-null	float64				
9	JUL	115 non-null	float64				
10	AUG	115 non-null	float64				
11	SEP	115 non-null	float64				
12	OCT	115 non-null	float64				
13	NOV	115 non-null	float64				
14	DEC	115 non-null	float64				
15	ANNUAL	115 non-null	float64				
16	Jan-Feb	115 non-null	float64				
17	Mar-May	115 non-null	float64				
18	Jun-Sep	115 non-null	float64				
19	Oct-Dec	115 non-null	float64				
dtyp	es: float64(1	7), int64(2), c	bject(1)				
memory usage: 18 1+ KB							

memory usage: 18.1+ KB

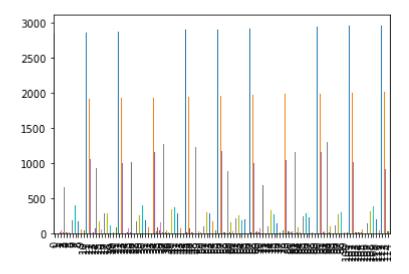
#### Out[4]:

MAY JUN JUL AUG SEP OCT	MAY JUI	APR	MAR	FEB	JAN	YEAR	SUBDIVISION	index	
7.3 129.7 295.3 368.8 123.4 35.2	7.3 129.	26.1	30.9	39.9	36.8	1901	VIDARBHA	2852	0
4.1 38.0 270.7 204.7 150.9 29.6	4.1 38.	6.5	0.0	0.1	1.6	1902	VIDARBHA	2853	1
37.8 121.2 475.5 325.5 154.8 100.8	37.8 121.	2.5	0.1	4.0	5.2	1903	VIDARBHA	2854	2
14.8 148.9 158.3 151.8 196.9 61.7	14.8 148.	0.2	12.9	2.4	4.3	1904	VIDARBHA	2855	3
14.0 81.0 254.5 216.3 321.3 6.0	14.0 81.	16.2	12.4	12.7	7.3	1905	VIDARBHA	2856	4
0.6 137.9 247.1 302.8 191.0 4.7	0.6 137.	7.7	0.1	1.2	0.0	2011	VIDARBHA	2962	110
0.2 125.5 370.5 316.2 249.4 34.9	0.2 125.	0.6	0.0	0.1	3.1	2012	VIDARBHA	2963	111
0.5 366.7 535.5 326.1 131.7 133.5	0.5 366.	2.8	3.8	13.0	6.6	2013	VIDARBHA	2964	112
4.0 63.3 337.6 191.7 224.9 17.3	4.0 63.	2.6	49.6	18.3	1.2	2014	VIDARBHA	2965	113
12.8 254.6 137.2 288.9 167.5 7.0	12.8 254.	28.1	66.3	4.7	26.3	2015	VIDARBHA	2966	114
	0.6 137. 0.2 125. 0.5 366. 4.0 63.	7.7 0.6 2.8 2.6	0.1 0.0 3.8 49.6	1.2 0.1 13.0 18.3	 0.0 3.1 6.6 1.2	 2011 2012 2013 2014	VIDARBHA VIDARBHA VIDARBHA VIDARBHA	2962 2963 2964 2965	 110 111 112 113

115 rows × 20 columns

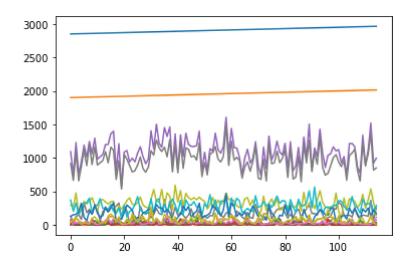
In [5]: 1 b.plot.bar(legend=None)

#### Out[5]: <AxesSubplot:>



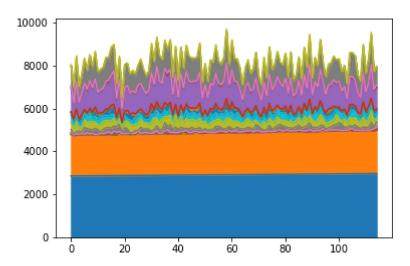
In [6]: 1 b.plot.line(legend=None)

### Out[6]: <AxesSubplot:>



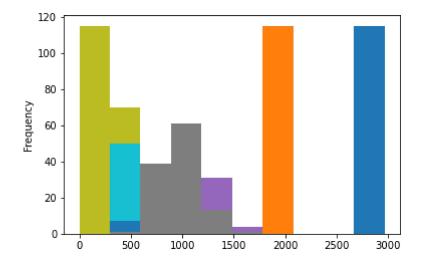
In [7]: 1 b.plot.area(legend=None)

## Out[7]: <AxesSubplot:>



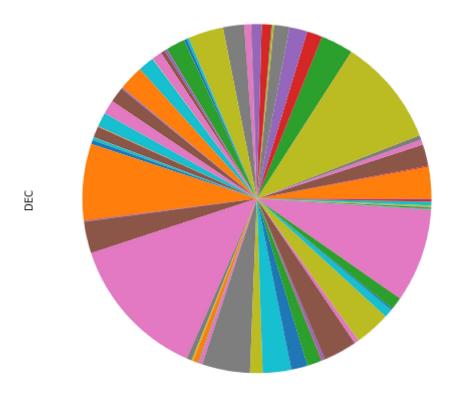
In [8]: 1 b.plot.hist(legend=None)

Out[8]: <AxesSubplot:ylabel='Frequency'>



```
In [9]: 1 b.plot.pie(y='DEC',figsize=(8,8),labels=None,legend=None)
```

Out[9]: <AxesSubplot:ylabel='DEC'>



In [ ]: 1