# Vijay(Book8) 04/08/2023

#### Out[2]:

	index	SUBDIVISION	YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ост
0	3197	TELANGANA	1901	6.9	41.8	7.8	45.2	22.0	123.6	237.8	177.2	77.7	75.5
1	3198	TELANGANA	1902	0.0	0.0	0.2	10.7	7.3	52.4	146.3	142.8	190.5	41.7
2	3199	TELANGANA	1903	12.9	4.6	0.0	9.9	40.7	99.2	505.2	246.7	191.9	155.8
3	3200	TELANGANA	1904	0.0	0.0	10.8	8.0	14.7	104.2	139.5	50.0	162.3	44.4
4	3201	TELANGANA	1905	0.0	4.3	12.8	27.6	32.2	129.5	82.4	237.3	179.1	19.6
							•••						
110	3307	TELANGANA	2011	0.0	11.9	2.6	25.6	9.3	83.9	268.2	225.9	107.6	13.9
111	3308	TELANGANA	2012	6.7	0.0	0.2	14.0	8.4	124.4	300.3	229.9	202.4	83.6
112	3309	TELANGANA	2013	2.4	29.0	0.2	24.4	8.5	213.4	453.8	230.6	161.4	205.9
113	3310	TELANGANA	2014	0.2	2.9	58.3	10.3	73.3	62.3	146.0	205.2	146.8	29.6
114	3311	TELANGANA	2015	17.5	0.0	43.0	65.7	23.3	266.9	104.4	160.5	158.3	15.6

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), ob	object(1)					
10.4.1/0								

memory usage: 18.1+ KB

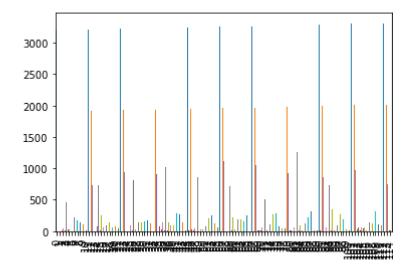
## Out[4]:

SUBDIVISION	YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ
TELANGANA	1901	6.9	41.8	7.8	45.2	22.0	123.6	237.8	177.2	77.7	75.5
TELANGANA	1902	0.0	0.0	0.2	10.7	7.3	52.4	146.3	142.8	190.5	41.7
TELANGANA	1903	12.9	4.6	0.0	9.9	40.7	99.2	505.2	246.7	191.9	155.8
TELANGANA	1904	0.0	0.0	10.8	8.0	14.7	104.2	139.5	50.0	162.3	44.4
TELANGANA	1905	0.0	4.3	12.8	27.6	32.2	129.5	82.4	237.3	179.1	19.6
•••											
TELANGANA	2011	0.0	11.9	2.6	25.6	9.3	83.9	268.2	225.9	107.6	13.9
TELANGANA	2012	6.7	0.0	0.2	14.0	8.4	124.4	300.3	229.9	202.4	83.6
TELANGANA	2013	2.4	29.0	0.2	24.4	8.5	213.4	453.8	230.6	161.4	205.9
TELANGANA	2014	0.2	2.9	58.3	10.3	73.3	62.3	146.0	205.2	146.8	29.6
TELANGANA	2015	17.5	0.0	43.0	65.7	23.3	266.9	104.4	160.5	158.3	15.6
	TELANGANA TELANGANA TELANGANA TELANGANA TELANGANA TELANGANA TELANGANA TELANGANA	TELANGANA 1901 TELANGANA 1902 TELANGANA 1903 TELANGANA 1904 TELANGANA 1905 TELANGANA 2011 TELANGANA 2012 TELANGANA 2013 TELANGANA 2014	TELANGANA 1901 6.9 TELANGANA 1902 0.0 TELANGANA 1903 12.9 TELANGANA 1904 0.0 TELANGANA 1905 0.0 TELANGANA 2011 0.0 TELANGANA 2012 6.7 TELANGANA 2013 2.4 TELANGANA 2014 0.2	TELANGANA       1901       6.9       41.8         TELANGANA       1902       0.0       0.0         TELANGANA       1903       12.9       4.6         TELANGANA       1904       0.0       0.0         TELANGANA       1905       0.0       4.3               TELANGANA       2011       0.0       11.9         TELANGANA       2012       6.7       0.0         TELANGANA       2013       2.4       29.0         TELANGANA       2014       0.2       2.9	TELANGANA       1901       6.9       41.8       7.8         TELANGANA       1902       0.0       0.0       0.2         TELANGANA       1903       12.9       4.6       0.0         TELANGANA       1904       0.0       0.0       10.8         TELANGANA       1905       0.0       4.3       12.8                TELANGANA       2011       0.0       11.9       2.6         TELANGANA       2012       6.7       0.0       0.2         TELANGANA       2013       2.4       29.0       0.2         TELANGANA       2014       0.2       2.9       58.3	TELANGANA       1901       6.9       41.8       7.8       45.2         TELANGANA       1902       0.0       0.0       0.2       10.7         TELANGANA       1903       12.9       4.6       0.0       9.9         TELANGANA       1904       0.0       0.0       10.8       0.8         TELANGANA       1905       0.0       4.3       12.8       27.6                 TELANGANA       2011       0.0       11.9       2.6       25.6         TELANGANA       2012       6.7       0.0       0.2       14.0         TELANGANA       2013       2.4       29.0       0.2       24.4         TELANGANA       2014       0.2       2.9       58.3       10.3	TELANGANA       1901       6.9       41.8       7.8       45.2       22.0         TELANGANA       1902       0.0       0.0       0.2       10.7       7.3         TELANGANA       1903       12.9       4.6       0.0       9.9       40.7         TELANGANA       1904       0.0       0.0       10.8       0.8       14.7         TELANGANA       1905       0.0       4.3       12.8       27.6       32.2                   TELANGANA       2011       0.0       11.9       2.6       25.6       9.3         TELANGANA       2012       6.7       0.0       0.2       14.0       8.4         TELANGANA       2013       2.4       29.0       0.2       24.4       8.5         TELANGANA       2014       0.2       2.9       58.3       10.3       73.3	TELANGANA       1901       6.9       41.8       7.8       45.2       22.0       123.6         TELANGANA       1902       0.0       0.0       0.2       10.7       7.3       52.4         TELANGANA       1903       12.9       4.6       0.0       9.9       40.7       99.2         TELANGANA       1904       0.0       0.0       10.8       0.8       14.7       104.2         TELANGANA       1905       0.0       4.3       12.8       27.6       32.2       129.5                    TELANGANA       2011       0.0       11.9       2.6       25.6       9.3       83.9         TELANGANA       2012       6.7       0.0       0.2       14.0       8.4       124.4         TELANGANA       2013       2.4       29.0       0.2       24.4       8.5       213.4         TELANGANA       2014       0.2       2.9       58.3       10.3       73.3       62.3	TELANGANA         1901         6.9         41.8         7.8         45.2         22.0         123.6         237.8           TELANGANA         1902         0.0         0.0         0.2         10.7         7.3         52.4         146.3           TELANGANA         1903         12.9         4.6         0.0         9.9         40.7         99.2         505.2           TELANGANA         1904         0.0         0.0         10.8         0.8         14.7         104.2         139.5           TELANGANA         1905         0.0         4.3         12.8         27.6         32.2         129.5         82.4	TELANGANA         1901         6.9         41.8         7.8         45.2         22.0         123.6         237.8         177.2           TELANGANA         1902         0.0         0.0         0.2         10.7         7.3         52.4         146.3         142.8           TELANGANA         1903         12.9         4.6         0.0         9.9         40.7         99.2         505.2         246.7           TELANGANA         1904         0.0         0.0         10.8         0.8         14.7         104.2         139.5         50.0           TELANGANA         1905         0.0         4.3         12.8         27.6         32.2         129.5         82.4         237.3           TELANGANA         2011         0.0         11.9         2.6         25.6         9.3         83.9         268.2         225.9           TELANGANA         2012         6.7         0.0         0.2         14.0         8.4         124.4         300.3         229.9           TELANGANA         2013         2.4         29.0         0.2         24.4         8.5         213.4         453.8         230.6           TELANGANA         2014         0.2         2.9 <th>TELANGANA         1901         6.9         41.8         7.8         45.2         22.0         123.6         237.8         177.2         77.7           TELANGANA         1902         0.0         0.0         0.2         10.7         7.3         52.4         146.3         142.8         190.5           TELANGANA         1903         12.9         4.6         0.0         9.9         40.7         99.2         505.2         246.7         191.9           TELANGANA         1904         0.0         0.0         10.8         0.8         14.7         104.2         139.5         50.0         162.3           TELANGANA         1905         0.0         4.3         12.8         27.6         32.2         129.5         82.4         237.3         179.1           TELANGANA         1905         0.0         4.3         12.8         27.6         32.2         129.5         82.4         237.3         179.1           TELANGANA         2011         0.0         11.9         2.6         25.6         9.3         83.9         268.2         225.9         107.6           TELANGANA         2012         6.7         0.0         0.2         14.0         8.4         124.</th>	TELANGANA         1901         6.9         41.8         7.8         45.2         22.0         123.6         237.8         177.2         77.7           TELANGANA         1902         0.0         0.0         0.2         10.7         7.3         52.4         146.3         142.8         190.5           TELANGANA         1903         12.9         4.6         0.0         9.9         40.7         99.2         505.2         246.7         191.9           TELANGANA         1904         0.0         0.0         10.8         0.8         14.7         104.2         139.5         50.0         162.3           TELANGANA         1905         0.0         4.3         12.8         27.6         32.2         129.5         82.4         237.3         179.1           TELANGANA         1905         0.0         4.3         12.8         27.6         32.2         129.5         82.4         237.3         179.1           TELANGANA         2011         0.0         11.9         2.6         25.6         9.3         83.9         268.2         225.9         107.6           TELANGANA         2012         6.7         0.0         0.2         14.0         8.4         124.

115 rows × 20 columns

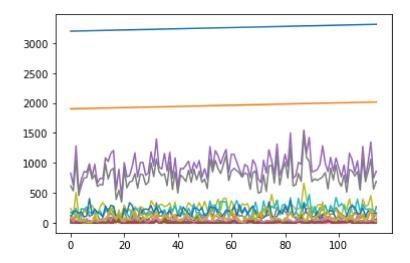
```
In [5]: 1 b.plot.bar(legend=None)
```

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



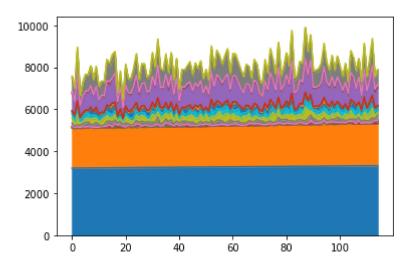
In [6]: 1 b.plot.line(legend=None)

## Out[6]: <AxesSubplot:>



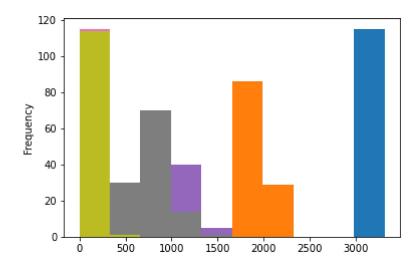
In [7]: 1 b.plot.area(legend=None)

### Out[7]: <AxesSubplot:>



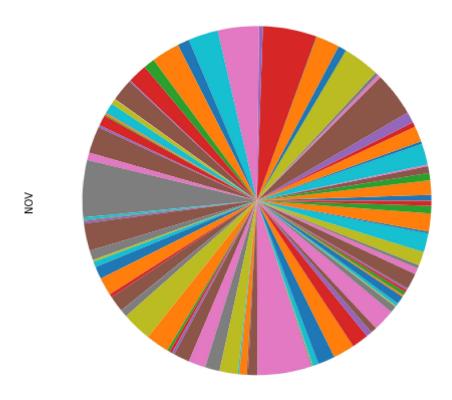
In [8]: 1 b.plot.hist(legend=None)

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



In [10]: 1 b.plot.pie(y='NOV',figsize=(8,8),labels=None,legend=None)

Out[10]: <AxesSubplot:ylabel='NOV'>



In [ ]: 1