In [1]:
```
import pandas as pd
from pandas_profiling import ProfileReport
df = pd.read_csv('2015_16_Statewise_Elementary.csv')
df
```

Out[1]:

	AC_YEAR	STATCD	STATNAME	DISTRICTS	BLOCKS	VILLAGES	CLUSTERS	TO
0	2015-16	1	JAMMU & KASHMIR	22	201	7263	1628	
1	2015-16	2	HIMACHAL PRADESH	12	124	10120	2243	
2	2015-16	3	PUNJAB	22	146	13197	1780	
3	2015-16	4	CHANDIGARH	1	20	84	20	
4	2015-16	5	UTTARAKHAND	13	95	11989	995	
5	2015-16	6	HARYANA	21	126	7438	1523	
6	2015-16	7	DELHI	9	69	1201	69	
7	2015-16	8	RAJASTHAN	33	302	41441	10594	
8	2015-16	9	UTTAR PRADESH	75	971	98470	9423	
9	2015-16	10	BIHAR	38	537	40779	5633	
10	2015-16	11	SIKKIM	4	29	756	111	
11	2015-16	12	ARUNACHAL PRADESH	20	99	2982	234	
12	2015-16	13	NAGALAND	11	47	1478	125	
13	2015-16	14	MANIPUR	9	35	2422	225	
14	2015-16	15	MIZORAM	8	36	851	169	
15	2015-16	16	TRIPURA	8	71	1101	368	
16	2015-16	17	MEGHALAYA	11	41	6166	609	
17	2015-16	18	ASSAM	27	145	21833	3416	
18	2015-16	19	WEST BENGAL	21	470	41179	3799	
19	2015-16	20	JHARKHAND	24	260	27862	2264	
20	2015-16	21	ODISHA	30	423	39334	4880	
21	2015-16	22	CHHATTISGARH	27	146	21834	2664	
22	2015-16	23	MADHYA PRADESH	51	319	54762	3182	
23	2015-16	24	GUJARAT	33	253	19877	4307	
24	2015-16	25	DAMAN & DIU	2	2	39	7	
25	2015-16	26	DADRA &	1	1	70	11	

			NAGAR HAVELI				
26	2015-16	27	MAHARASHTRA	36	408	43661	5583
27	2015-16	28	ANDHRA PRADESH	13	670	15075	5076
28	2015-16	29	KARNATAKA	34	203	29449	4063
29	2015-16	30	GOA	2	12	530	111
30	2015-16	31	LAKSHADWEEP	1	3	10	9
31	2015-16	32	KERALA	14	166	1907	1375
32	2015-16	33	TAMIL NADU	30	413	19301	4092
33	2015-16	34	PUDUCHERRY	4	6	145	33
34	2015-16	35	A & N ISLANDS	3	9	198	37
35	2015-16	36	TELANGANA	10	459	9934	1776

36 rows × 816 columns

In [2]:
```
df.columns
```

Out[2]:
```
Index(['AC_YEAR', 'STATCD', 'STATNAME', 'DISTRICTS', 'BLOCKS', 'VILLAGES'
,
       'CLUSTERS', 'TOTPOPULAT', 'P_URB_POP', 'POPULATION_0_6',
       ...
       'USCR35', 'NOTCH_ASS', 'TCHINV', 'TOTCLS1G', 'TOTCLS2G', 'TOTCLS3G
',
       'TOTCLS4G', 'TOTCLS5G', 'TOTCLS6G', 'TOTCLS7G'],
      dtype='object', length=816)
```

In [3]:
```
df.shape
```

Out[3]:
```
(36, 816)
```

In [5]:
```
df.iloc[0:3, 1:4]
```

Out[5]:

	STATCD	STATNAME	DISTRICTS
0	1	JAMMU & KASHMIR	22
1	2	HIMACHAL PRADESH	12
2	3	PUNJAB	22

In [6]:
```
df.iloc[0:10, 1:15]
```

Out[6]:

	STATCD	STATNAME	DISTRICTS	BLOCKS	VILLAGES	CLUSTERS	TOTPOPULAT	F
0	1	JAMMU & KASHMIR	22	201	7263	1628	12549	
1	2	HIMACHAL PRADESH	12	124	10120	2243	6857	
2	3	PUNJAB	22	146	13197	1780	27704	
3	4	CHANDIGARH	1	20	84	20	1055	
4	5	UTTARAKHAND	13	95	11989	995	10117	
5	6	HARYANA	21	126	7438	1523	25353	
6	7	DELHI	9	69	1201	69	16753	
7	8	RAJASTHAN	33	302	41441	10594	68621	
8	9	UTTAR PRADESH	75	971	98470	9423	199581	
9	10	BIHAR	38	537	40779	5633	103805	

In [7]:
```
df.head()
```

Out[7]:

	AC_YEAR	STATCD	STATNAME	DISTRICTS	BLOCKS	VILLAGES	CLUSTERS	TOTP
0	2015-16	1	JAMMU & KASHMIR	22	201	7263	1628	
1	2015-16	2	HIMACHAL PRADESH	12	124	10120	2243	
2	2015-16	3	PUNJAB	22	146	13197	1780	
3	2015-16	4	CHANDIGARH	1	20	84	20	
4	2015-16	5	UTTARAKHAND	13	95	11989	995	

5 rows × 816 columns

In [8]:
```
df.tail()
```

Out[8]:

	AC_YEAR	STATCD	STATNAME	DISTRICTS	BLOCKS	VILLAGES	CLUSTERS	TOTP
31	2015-16	32	KERALA	14	166	1907	1375	
32	2015-16	33	TAMIL NADU	30	413	19301	4092	
33	2015-16	34	PUDUCHERRY	4	6	145	33	
34	2015-16	35	A & N ISLANDS	3	9	198	37	
35	2015-16	36	TELANGANA	10	459	9934	1776	

5 rows × 816 columns

In [9]:
```
df.isna()
```

Out[9]:

	AC_YEAR	STATCD	STATNAME	DISTRICTS	BLOCKS	VILLAGES	CLUSTERS	TOTPOI
0	False	False	False	False	False	False	False	
1	False	False	False	False	False	False	False	
2	False	False	False	False	False	False	False	
3	False	False	False	False	False	False	False	
4	False	False	False	False	False	False	False	
5	False	False	False	False	False	False	False	
6	False	False	False	False	False	False	False	
7	False	False	False	False	False	False	False	
8	False	False	False	False	False	False	False	
9	False	False	False	False	False	False	False	
10	False	False	False	False	False	False	False	
11	False	False	False	False	False	False	False	
12	False	False	False	False	False	False	False	
13	False	False	False	False	False	False	False	
14	False	False	False	False	False	False	False	
15	False	False	False	False	False	False	False	
16	False	False	False	False	False	False	False	
17	False	False	False	False	False	False	False	
18	False	False	False	False	False	False	False	
19	False	False	False	False	False	False	False	
20	False	False	False	False	False	False	False	
21	False	False	False	False	False	False	False	
22	False	False	False	False	False	False	False	
23	False	False	False	False	False	False	False	
24	False	False	False	False	False	False	False	
25	False	False	False	False	False	False	False	
26	False	False	False	False	False	False	False	
27	False	False	False	False	False	False	False	
28	False	False	False	False	False	False	False	
29	False	False	False	False	False	False	False	
30	False	False	False	False	False	False	False	

31	False	False	False	False	False	False	False
32	False	False	False	False	False	False	False
33	False	False	False	False	False	False	False
34	False	False	False	False	False	False	False
35	False	False	False	False	False	False	False

36 rows × 816 columns

In [12]:
```
df.iloc[0:12, 1:13]
```

Out[12]:

	STATCD	STATNAME	DISTRICTS	BLOCKS	VILLAGES	CLUSTERS	TOTPOPULAT
0	1	JAMMU & KASHMIR	22	201	7263	1628	12549
1	2	HIMACHAL PRADESH	12	124	10120	2243	6857
2	3	PUNJAB	22	146	13197	1780	27704
3	4	CHANDIGARH	1	20	84	20	1055
4	5	UTTARAKHAND	13	95	11989	995	10117
5	6	HARYANA	21	126	7438	1523	25353
6	7	DELHI	9	69	1201	69	16753
7	8	RAJASTHAN	33	302	41441	10594	68621
8	9	UTTAR PRADESH	75	971	98470	9423	199581
9	10	BIHAR	38	537	40779	5633	103805
10	11	SIKKIM	4	29	756	111	608
11	12	ARUNACHAL PRADESH	20	99	2982	234	1383

In [ ]:
```
profile = ProfileReport(df, title='Pandas Profiling Report', html=('CLUST
profile.to_notebook_iframe{}
```