census-data-analysis

May 4, 2023

```
[1]: import warnings
     warnings.filterwarnings('ignore')
     import pandas as pd
     import numpy as np
     import matplotlib.pyplot as plt
     import seaborn as sns
     %matplotlib inline
[2]: df = pd.read_csv(r"India Census Dataset.csv")
     df.head()
[2]:
        District code
                               State_name District_name Population
                                                                         Male Female
                        JAMMU AND KASHMIR
                                                 Kupwara
                                                              870354
                                                                       474190
                                                                               396164
     1
                       JAMMU AND KASHMIR
                                                  Badgam
                                                              753745
                                                                       398041
                                                                               355704
                                                               133487
     2
                       JAMMU AND KASHMIR
                                            Leh(Ladakh)
                                                                        78971
                                                                                54516
     3
                       JAMMU AND KASHMIR
                                                  Kargil
                                                               140802
                                                                        77785
                                                                                63017
                       JAMMU AND KASHMIR
     4
                                                   Punch
                                                              476835 251899 224936
        Literate Workers
                            Male_Workers
                                          Female_Workers
                                                              Christians
                                                                           Sikhs
                   229064
                                                                            5600
     0
          439654
                                  190899
                                                    38165
                                                                     1700
                                                    52288
                                                                            5559
     1
          335649
                   214866
                                  162578
                                                                     1489
     2
           93770
                    75079
                                   53265
                                                    21814 ...
                                                                      658
                                                                            1092
     3
                                                    12034 ...
           86236
                    51873
                                   39839
                                                                      604
                                                                            1171
          261724
                   161393
                                  117677
                                                    43716 ...
                                                                      958
                                                                          11188
        Buddhists
                   Jains
                           Secondary_Education Higher_Education
     0
               66
                       39
                                          74948
                                                             39709
               47
     1
                       6
                                          66459
                                                             41367
     2
            88635
                      103
                                          16265
                                                              8923
     3
            20126
                       28
                                          16938
                                                              9826
     4
                                                             29517
               83
                       10
                                          46062
        Graduate_Education
                            Age_Group_0_29 Age_Group_30_49 Age_Group_50
     0
                      21751
                                     600759
                                                       178435
                                                                       89679
                      27950
                                     503223
     1
                                                       160933
                                                                       88978
     2
                       6197
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     3
                       3077
                                      87532
                                                        35561
                                                                       17488
```

4 13962 304979 109818 61334

[5 rows x 25 columns]

```
[3]: df.shape
[3]: (640, 25)
     pd.set option("display.max columns", 25)
     df.head()
[5]:
[5]:
        District_code
                                State_name District_name
                                                            Population
                                                                            Male
                                                                                  Female
     0
                         JAMMU AND KASHMIR
                                                   Kupwara
                                                                 870354
                                                                         474190
                                                                                  396164
                     1
     1
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                         JAMMU AND KASHMIR
                                                    Badgam
                                                                 753745
                                                                          398041
                                                                                  355704
     2
                     3
                        JAMMU AND KASHMIR
                                              Leh (Ladakh)
                                                                 133487
                                                                           78971
                                                                                   54516
     3
                     4
                         JAMMU AND KASHMIR
                                                                 140802
                                                                           77785
                                                    Kargil
                                                                                   63017
     4
                        JAMMU AND KASHMIR
                     5
                                                     Punch
                                                                 476835
                                                                         251899
                                                                                  224936
        Literate
                  Workers
                             Male Workers
                                            Female Workers
                                                              Cultivator Workers
     0
          439654
                    229064
                                    190899
                                                      38165
                                                                            34680
     1
          335649
                    214866
                                    162578
                                                      52288
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                     75079
                                    53265
                                                      21814
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     3
           86236
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                                                      12034
                                                                             8266
     4
          261724
                    161393
                                                                            54264
                                    117677
                                                      43716
        Agricultural_Workers
                                Household_Workers
                                                                       Christians
                                                     Hindus
                                                             Muslims
     0
                         56759
                                              7946
                                                      37128
                                                               823286
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                         36630
                                             29102
                                                      10110
                                                               736054
                                                                              1489
     1
     2
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                                                                19057
                                                                               658
                          1645
     3
                          3763
                                               1222
                                                      10341
                                                               108239
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                                              3930
                                                      32604
                                                               431279
                                                                               958
                                   Secondary_Education Higher_Education
                Buddhists
        Sikhs
                            Jains
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     2
         1092
                    88635
                              103
                                                   16265
                                                                       8923
         1171
                    20126
                               28
                                                   16938
     3
                                                                       9826
        11188
                        83
                               10
                                                   46062
                                                                      29517
                                               Age_Group_30_49
        Graduate_Education
                              Age_Group_0_29
                                                                  Age_Group_50
     0
                                       600759
                                                                          89679
                      21751
                                                         178435
     1
                      27950
                                       503223
                                                         160933
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                       6197
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                                                          41515
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                       3077
                                        87532
                                                          35561
                                                                          17488
     4
                      13962
                                       304979
                                                         109818
                                                                          61334
```

Q1. Show the records related with the districts 'New Delhi, Lucknow, Jaipur'

[6]: df[df['District_name'].isin(["New Delhi","Lucknow","Jaipur"])]

[6]:		Distri	ct_code	S.	State_name Dis		trict_na	ame P	opulati	.on	Male	Female	\
	93		94	NCT	OF DEI	LHI	New Del	hi	1420	04	77942	64062	
	109		110]	RAJASTI	IAN	Jaip	our	66261	.78 34	168507	3157671	
	156		157	UTTA	R PRADI	ESH	Luckr	IOM	45898	38 23	394476	2195362	
		Litera	te Work	ers l	Male_Wo	orkers	Female_	Worke	ers Cul	tivato	or_Work	ers \	
	93	1141	79 59	541		46940		126	301			121	
	109	43009	65 2464	1893	17	14947		7499	946		744	374	
	156	31272	60 1542	2806	12	226399		3164	07		175	578	
		Agricu	.ltural_W	lorker	s Hous	sehold_V	Vorkers	Hin	ıdus Mu	slims	Chris	tians \	
	93	· ·		27			1030		482	8480		4852	
	109			13152	3		91011	5819	980 6	87452		12708	
	156			20302	9		99863	3537	787 9	85070		20493	
		Sikhs	Buddhis	sts Ja	ains S	Secondar	ry_Educa	ation	Higher	_Educa	ation	\	
	93	2933	3	312	679		1	5942	· ·		17742		
	109	18782	10	20 8	1079		65	9389		45	55527		
	156	23883	38	377	4975		42	28121		37	78742		
		Graduate_Education A			Age G	e_Group_0_29 Age_Group		30 49	Age (Group 5	0		
	93		_	23934	0 =	7607	_	- 1	43913	0 -	2177		
	109		70	3673		409114		1	.646480		88405	7	
	156			39260		267828	39	1	161686		68525	8	

Q2. Calculate state wise

1. Total population

2. Total population with different religions

[7]: # Total Population
df.groupby('State_name')['Population'].sum()

[7]: State_name

ANDAMAN AND NICOBAR ISLANDS 380581 ANDHRA PRADESH 84580777 ARUNACHAL PRADESH 1383727 ASSAM 31205576 BIHAR 104099452 CHANDIGARH 1055450 CHHATTISGARH 25545198 DADRA AND NAGAR HAVELI 343709 DAMAN AND DIU 243247

GOA	1458545
GUJARAT	60439692
HARYANA	25351462
HIMACHAL PRADESH	6864602
JAMMU AND KASHMIR	12541302
JHARKHAND	32988134
KARNATAKA	61095297
KERALA	33406061
LAKSHADWEEP	64473
MADHYA PRADESH	72626809
MAHARASHTRA	112374333
MANIPUR	2855794
MEGHALAYA	2966889
MIZORAM	1097206
NAGALAND	1978502
NCT OF DELHI	16787941
ORISSA	41974218
PONDICHERRY	1247953
PUNJAB	27743338
RAJASTHAN	68548437
SIKKIM	610577
TAMIL NADU	72147030
TRIPURA	3673917
UTTAR PRADESH	199812341
UTTARAKHAND	10086292
WEST BENGAL	91276115
N D1 1+ 1	

Name: Population, dtype: int64

[8]:		Population	Hindus	Muslims	Christians	\
	State_name					
	ANDAMAN AND NICOBAR ISLANDS	380581	264296	32413	80984	
	ANDHRA PRADESH	84580777	74824149	8082412	1129784	
	ARUNACHAL PRADESH	1383727	401876	27045	418732	
	ASSAM	31205576	19180759	10679345	1165867	
	BIHAR	104099452	86078686	17557809	129247	
	CHANDIGARH	1055450	852574	51447	8720	
	CHHATTISGARH	25545198	23819789	514998	490542	
	DADRA AND NAGAR HAVELI	343709	322857	12922	5113	
	DAMAN AND DIU	243247	220150	19277	2820	
	GOA	1458545	963877	121564	366130	
	GUJARAT	60439692	53533988	5846761	316178	
	HARYANA	25351462	22171128	1781342	50353	

HIMACHAL PRADESH	6864602	6532765	149881	12646
JAMMU AND KASHMIR	12541302	3566674	8567485	35631
JHARKHAND	32988134	22376051	4793994	1418608
KARNATAKA	61095297	51317472		1142647
KERALA	33406061	18282492		6141269
LAKSHADWEEP	64473	1788		317
MADHYA PRADESH	72626809	66007121		213282
MAHARASHTRA	112374333	89703057		1080073
MANIPUR	2855794	1181876		1179043
MEGHALAYA	2966889	342078		2213027
MIZORAM	1097206	30136		956331
NAGALAND	1978502	173054		1739651
NCT OF DELHI	16787941	13712100		146093
ORISSA	41974218	39300341		1161708
PONDICHERRY PUNJAB	1247953 27743338	1089409 10678138		78550 348230
RAJASTHAN	68548437	60657103		96430
SIKKIM	610577	352662		60522
TAMIL NADU	72147030	63188168		4418331
TRIPURA	3673917	3063903		159882
UTTAR PRADESH	199812341	159312654		356448
UTTARAKHAND	10086292	8368636		37781
WEST BENGAL	91276115	64385546		658618
	012.0110	0 10000 10		000020
	Sikhs B	uddhists	Jains	
State_name	Sikhs B	uddhists	Jains	
State_name ANDAMAN AND NICOBAR ISLANDS	Sikhs B	uddhists 338	Jains 31	
_				
ANDAMAN AND NICOBAR ISLANDS	1286	338	31	
ANDAMAN AND NICOBAR ISLANDS ANDHRA PRADESH	1286 40244	338 36692	31 53849	
ANDAMAN AND NICOBAR ISLANDS ANDHRA PRADESH ARUNACHAL PRADESH	1286 40244 3287	338 36692 162815	31 53849 771	
ANDAMAN AND NICOBAR ISLANDS ANDHRA PRADESH ARUNACHAL PRADESH ASSAM	1286 40244 3287 20672 23779 138329	338 36692 162815 54993	31 53849 771 25949 18914 1960	
ANDAMAN AND NICOBAR ISLANDS ANDHRA PRADESH ARUNACHAL PRADESH ASSAM BIHAR CHANDIGARH CHHATTISGARH	1286 40244 3287 20672 23779	338 36692 162815 54993 25453 1160 70467	31 53849 771 25949 18914	
ANDAMAN AND NICOBAR ISLANDS ANDHRA PRADESH ARUNACHAL PRADESH ASSAM BIHAR CHANDIGARH CHHATTISGARH DADRA AND NAGAR HAVELI	1286 40244 3287 20672 23779 138329 70036 217	338 36692 162815 54993 25453 1160 70467 634	31 53849 771 25949 18914 1960 61510 1186	
ANDAMAN AND NICOBAR ISLANDS ANDHRA PRADESH ARUNACHAL PRADESH ASSAM BIHAR CHANDIGARH CHHATTISGARH DADRA AND NAGAR HAVELI DAMAN AND DIU	1286 40244 3287 20672 23779 138329 70036 217 172	338 36692 162815 54993 25453 1160 70467 634 217	31 53849 771 25949 18914 1960 61510 1186 287	
ANDAMAN AND NICOBAR ISLANDS ANDHRA PRADESH ARUNACHAL PRADESH ASSAM BIHAR CHANDIGARH CHHATTISGARH DADRA AND NAGAR HAVELI DAMAN AND DIU GOA	1286 40244 3287 20672 23779 138329 70036 217 172 1473	338 36692 162815 54993 25453 1160 70467 634 217 1095	31 53849 771 25949 18914 1960 61510 1186 287 1109	
ANDAMAN AND NICOBAR ISLANDS ANDHRA PRADESH ARUNACHAL PRADESH ASSAM BIHAR CHANDIGARH CHHATTISGARH DADRA AND NAGAR HAVELI DAMAN AND DIU GOA GUJARAT	1286 40244 3287 20672 23779 138329 70036 217 172 1473 58246	338 36692 162815 54993 25453 1160 70467 634 217 1095 30483	31 53849 771 25949 18914 1960 61510 1186 287 1109 579654	
ANDAMAN AND NICOBAR ISLANDS ANDHRA PRADESH ARUNACHAL PRADESH ASSAM BIHAR CHANDIGARH CHHATTISGARH DADRA AND NAGAR HAVELI DAMAN AND DIU GOA GUJARAT HARYANA	1286 40244 3287 20672 23779 138329 70036 217 172 1473 58246 1243752	338 36692 162815 54993 25453 1160 70467 634 217 1095 30483 7514	31 53849 771 25949 18914 1960 61510 1186 287 1109 579654 52613	
ANDAMAN AND NICOBAR ISLANDS ANDHRA PRADESH ARUNACHAL PRADESH ASSAM BIHAR CHANDIGARH CHHATTISGARH DADRA AND NAGAR HAVELI DAMAN AND DIU GOA GUJARAT HARYANA HIMACHAL PRADESH	1286 40244 3287 20672 23779 138329 70036 217 172 1473 58246 1243752 79896	338 36692 162815 54993 25453 1160 70467 634 217 1095 30483 7514 78659	31 53849 771 25949 18914 1960 61510 1186 287 1109 579654 52613 1805	
ANDAMAN AND NICOBAR ISLANDS ANDHRA PRADESH ARUNACHAL PRADESH ASSAM BIHAR CHANDIGARH CHHATTISGARH DADRA AND NAGAR HAVELI DAMAN AND DIU GOA GUJARAT HARYANA HIMACHAL PRADESH JAMMU AND KASHMIR	1286 40244 3287 20672 23779 138329 70036 217 172 1473 58246 1243752 79896 234848	338 36692 162815 54993 25453 1160 70467 634 217 1095 30483 7514 78659 112584	31 53849 771 25949 18914 1960 61510 1186 287 1109 579654 52613 1805 2490	
ANDAMAN AND NICOBAR ISLANDS ANDHRA PRADESH ARUNACHAL PRADESH ASSAM BIHAR CHANDIGARH CHHATTISGARH DADRA AND NAGAR HAVELI DAMAN AND DIU GOA GUJARAT HARYANA HIMACHAL PRADESH JAMMU AND KASHMIR JHARKHAND	1286 40244 3287 20672 23779 138329 70036 217 172 1473 58246 1243752 79896 234848 71422	338 36692 162815 54993 25453 1160 70467 634 217 1095 30483 7514 78659 112584 8956	31 53849 771 25949 18914 1960 61510 1186 287 1109 579654 52613 1805 2490 14974	
ANDAMAN AND NICOBAR ISLANDS ANDHRA PRADESH ARUNACHAL PRADESH ASSAM BIHAR CHANDIGARH CHHATTISGARH DADRA AND NAGAR HAVELI DAMAN AND DIU GOA GUJARAT HARYANA HIMACHAL PRADESH JAMMU AND KASHMIR JHARKHAND KARNATAKA	1286 40244 3287 20672 23779 138329 70036 217 172 1473 58246 1243752 79896 234848 71422 28773	338 36692 162815 54993 25453 1160 70467 634 217 1095 30483 7514 78659 112584 8956 95710	31 53849 771 25949 18914 1960 61510 1186 287 1109 579654 52613 1805 2490 14974 440280	
ANDAMAN AND NICOBAR ISLANDS ANDHRA PRADESH ARUNACHAL PRADESH ASSAM BIHAR CHANDIGARH CHHATTISGARH DADRA AND NAGAR HAVELI DAMAN AND DIU GOA GUJARAT HARYANA HIMACHAL PRADESH JAMMU AND KASHMIR JHARKHAND KARNATAKA	1286 40244 3287 20672 23779 138329 70036 217 172 1473 58246 1243752 79896 234848 71422 28773 3814	338 36692 162815 54993 25453 1160 70467 634 217 1095 30483 7514 78659 112584 8956 95710 4752	31 53849 771 25949 18914 1960 61510 1186 287 1109 579654 52613 1805 2490 14974 440280 4489	
ANDAMAN AND NICOBAR ISLANDS ANDHRA PRADESH ARUNACHAL PRADESH ASSAM BIHAR CHANDIGARH CHHATTISGARH DADRA AND NAGAR HAVELI DAMAN AND DIU GOA GUJARAT HARYANA HIMACHAL PRADESH JAMMU AND KASHMIR JHARKHAND KARNATAKA KERALA LAKSHADWEEP	1286 40244 3287 20672 23779 138329 70036 217 172 1473 58246 1243752 79896 234848 71422 28773 3814	338 36692 162815 54993 25453 1160 70467 634 217 1095 30483 7514 78659 112584 8956 95710 4752 10	31 53849 771 25949 18914 1960 61510 1186 287 1109 579654 52613 1805 2490 14974 440280 4489 11	
ANDAMAN AND NICOBAR ISLANDS ANDHRA PRADESH ARUNACHAL PRADESH ASSAM BIHAR CHANDIGARH CHHATTISGARH DADRA AND NAGAR HAVELI DAMAN AND DIU GOA GUJARAT HARYANA HIMACHAL PRADESH JAMMU AND KASHMIR JHARKHAND KARNATAKA KERALA LAKSHADWEEP MADHYA PRADESH	1286 40244 3287 20672 23779 138329 70036 217 172 1473 58246 1243752 79896 234848 71422 28773 3814 8 151412	338 36692 162815 54993 25453 1160 70467 634 217 1095 30483 7514 78659 112584 8956 95710 4752 10 216052	31 53849 771 25949 18914 1960 61510 1186 287 1109 579654 52613 1805 2490 14974 440280 4489 11 567028	
ANDAMAN AND NICOBAR ISLANDS ANDHRA PRADESH ARUNACHAL PRADESH ASSAM BIHAR CHANDIGARH CHHATTISGARH DADRA AND NAGAR HAVELI DAMAN AND DIU GOA GUJARAT HARYANA HIMACHAL PRADESH JAMMU AND KASHMIR JHARKHAND KARNATAKA KERALA LAKSHADWEEP	1286 40244 3287 20672 23779 138329 70036 217 172 1473 58246 1243752 79896 234848 71422 28773 3814	338 36692 162815 54993 25453 1160 70467 634 217 1095 30483 7514 78659 112584 8956 95710 4752 10	31 53849 771 25949 18914 1960 61510 1186 287 1109 579654 52613 1805 2490 14974 440280 4489 11	

MEGHALAYA	3045	9864	627
MIZORAM	286	93411	376
NAGALAND	1890	6759	2655
NCT OF DELHI	570581	18449	166231
ORISSA	21991	13852	9420
PONDICHERRY	297	451	1400
PUNJAB	16004754	33237	45040
RAJASTHAN	872930	12185	622023
SIKKIM	1868	167216	314
TAMIL NADU	14601	11186	89265
TRIPURA	1070	125385	860
UTTAR PRADESH	643500	206285	213267
UTTARAKHAND	236340	14926	9183
WEST BENGAL	63523	282898	60141

Q3. How many male and female workers in the 'Maharashtra' state?

[9]: (32616875, 16811003)

There are 32616875 male workers and 16811003 female workers in Maharashtra

Q4. Show the state where Hindus population is high

```
[10]: state = df.groupby(['State_name'])['Hindus'].sum().idxmax()
    population = df.groupby('State_name')['Hindus'].sum().max()
    print('State with highest hindus was',state,'with Hindus --->>>', population)
```

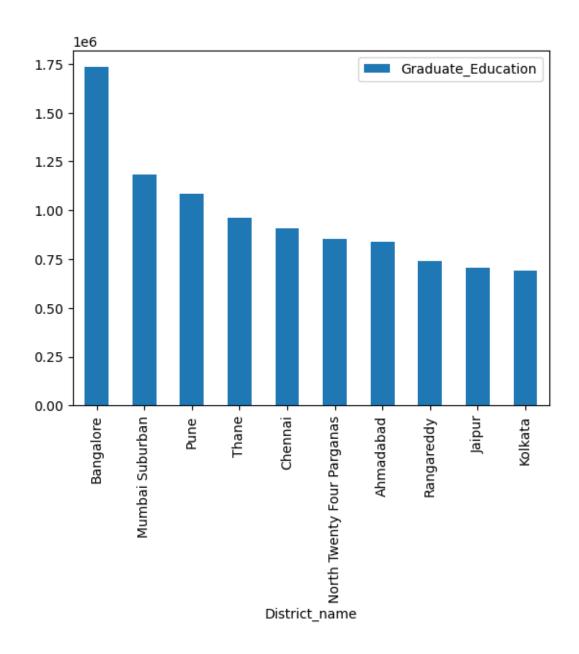
State with highest hindus was UTTAR PRADESH with Hindus --->> 159312654

Q5. Which 10 districts has high count of graduates?

[11]: df.head() [11]: District_code State_name District_name Population Male Female JAMMU AND KASHMIR Kupwara JAMMU AND KASHMIR Badgam JAMMU AND KASHMIR Leh(Ladakh) JAMMU AND KASHMIR Kargil JAMMU AND KASHMIR Punch Male Workers Female_Workers Cultivator_Workers Literate Workers

```
Household_Workers
                                                                       Christians
         Agricultural_Workers
                                                    Hindus
                                                             Muslims
      0
                         56759
                                              7946
                                                      37128
                                                              823286
                                                                              1700
      1
                         36630
                                             29102
                                                      10110
                                                              736054
                                                                              1489
      2
                          1645
                                              1020
                                                      22882
                                                               19057
                                                                              658
      3
                          3763
                                              1222
                                                      10341
                                                              108239
                                                                              604
      4
                         31583
                                              3930
                                                      32604
                                                              431279
                                                                              958
                                    Secondary_Education Higher_Education
                Buddhists
         Sikhs
                            Jains
      0
          5600
                        66
                                39
                                                   74948
                                                                      39709
          5559
                                6
      1
                        47
                                                   66459
                                                                      41367
      2
          1092
                     88635
                              103
                                                   16265
                                                                       8923
      3
          1171
                     20126
                               28
                                                   16938
                                                                       9826
         11188
                                                   46062
                        83
                               10
                                                                      29517
         Graduate_Education
                             Age_Group_0_29
                                               Age_Group_30_49
                                                                 Age_Group_50
      0
                       21751
                                       600759
                                                                         89679
                                                         178435
      1
                       27950
                                       503223
                                                         160933
                                                                         88978
      2
                        6197
                                        70703
                                                                         21019
                                                          41515
      3
                        3077
                                        87532
                                                          35561
                                                                         17488
                       13962
                                       304979
                                                         109818
                                                                         61334
[20]: df[['District_name', 'Graduate_Education']].sort_values(
          'Graduate_Education', ascending=False).head(10).plot(
          x='District_name', y='Graduate_Education', kind='bar')
```

[20]: <AxesSubplot:xlabel='District_name'>



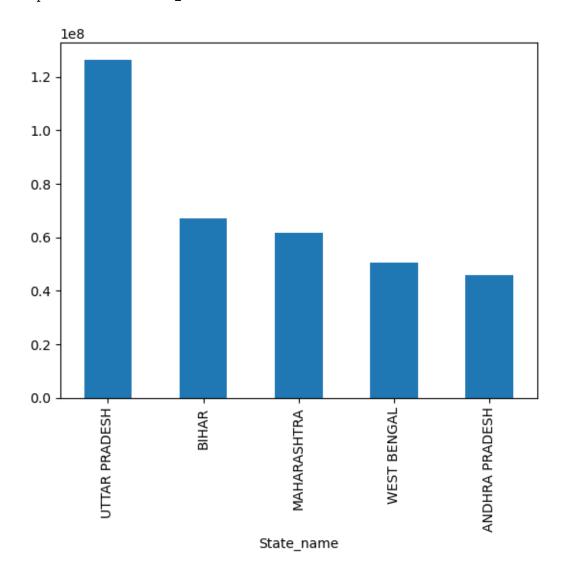
Q6. Which 5 States have highest number of peoples having age < 30

 ${\tt State_name}$

UTTAR PRADESH 126507123 BIHAR 66930323 MAHARASHTRA 61782561 WEST BENGAL 50551737 ANDHRA PRADESH 45815669

Name: Age_Group_0_29, dtype: int64

[30]: <AxesSubplot:xlabel='State_name'>



Q7. Which 5 states have high number of older people (age>50)

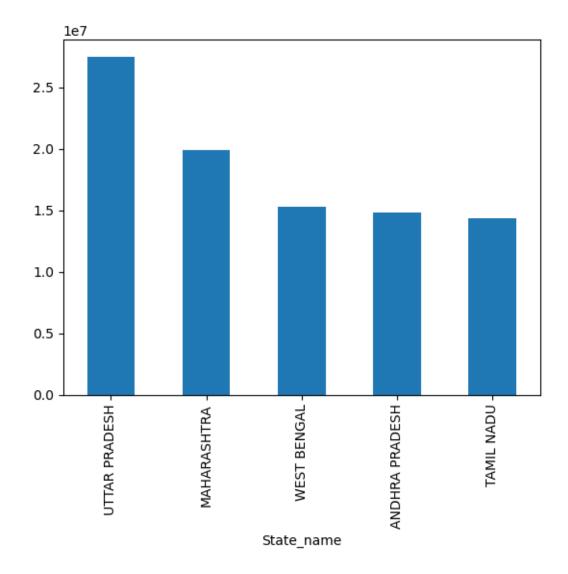
State_name

UTTAR PRADESH 27491073

MAHARASHTRA 19912066 WEST BENGAL 15268912 ANDHRA PRADESH 14845225 TAMIL NADU 14314360

Name: Age_Group_50, dtype: int64

[31]: <AxesSubplot:xlabel='State_name'>

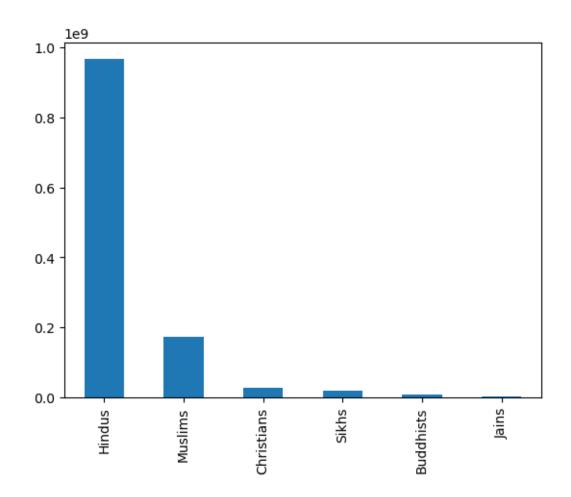


There is a same pattern in both scenarios where 4 same states having higher number of younger as well as old people

```
Q8. List the states where muslim peoples is more than hindu people
```

```
[32]: df[["State_name","Hindus","Muslims"]].sort_values("Muslims", ascending=False).
```

```
[32]:
             State_name
                          Hindus Muslims
      332
            WEST BENGAL 2359061 4707573
      342
            WEST BENGAL 5155545 2903075
      591
                 KERALA 1135259 2888849
      336
            WEST BENGAL 7352769 2584684
      134 UTTAR PRADESH 2488265 2248392
[39]: musl = df.groupby('State_name').agg({'Muslims': 'sum', 'Hindus': 'sum'})
      musl[musl['Muslims'] > musl['Hindus']]
[39]:
                         Muslims
                                  Hindus
     State_name
      JAMMU AND KASHMIR 8567485
                                 3566674
     LAKSHADWEEP
                           62268
                                     1788
     Q9. List the Religions with their total population?
[42]: print(df[["Hindus", "Muslims", "Christians", "Sikhs", "Buddhists", "Jains"]].sum())
      df[["Hindus", "Muslims", "Christians", "Sikhs", "Buddhists", "Jains"]].sum().plot.
       →bar()
     Hindus
                   966257353
     Muslims
                   172245158
     Christians
                    27819588
     Sikhs
                    20833116
     Buddhists
                     8442972
     Jains
                     4451753
     dtype: int64
[42]: <AxesSubplot:>
```



Q10. List the 5 districts where Females are more than Males

```
[47]: df[df["Female"] > df["Male"]].loc[:,["District_name", "Female", "Male"]].head()
```

[47]:		District_name	Female	Male
	23	Kangra	759484	750591
	26	Mandi	501712	498065
	27	Hamirpur	237698	217070
	56	Chamoli	197614	193991
	57	Rudraprayag	127696	114589

Q11. List the 10 states with most number of Literate Peoples

```
[49]: df.groupby(df["State_name"])["Literate"].sum().sort_values(ascending=False).

⇔head(10)
```

WEST BENGAL	61538281			
BIHAR	52504553			
TAMIL NADU	51837507			
ANDHRA PRADESH	50556760			
MADHYA PRADESH	42851169			
GUJARAT	41093358			
KARNATAKA	40647322			
RAJASTHAN	38275282			
Name: Literate,	dtype: int64			