

# India Census 2011 Dataset

This data is about total population, demography, literacy, district, states, workers, literacy, age, education

The data used here is of 2011 India Census of each district

The data is available in csv file downloaded from Kaggle. We'll analyze it using pandas.

```
#importing pandas
import pandas as pd

#importing csv file to notebook
india=pd.read_csv('file.csv')

#checking the file
india
```

District_code		State_name	
District_name \			
0	1	JAMMU AND KASHMIR	
Kupwara			
1	2	JAMMU AND KASHMIR	
Badgam			
2	3	JAMMU AND KASHMIR	
Leh(Ladakh)			
3	4	JAMMU AND KASHMIR	
Kargil			
4	5	JAMMU AND KASHMIR	
Punch			
..	...	...	
...			
635	636	PONDICHERRY	
Mahe			
636	637	PONDICHERRY	
Karaikal			
637	638	ANDAMAN AND NICOBAR ISLANDS	
Nicobars			
638	639	ANDAMAN AND NICOBAR ISLANDS	North AND Middle
Andaman			
639	640	ANDAMAN AND NICOBAR ISLANDS	South
Andaman			
Population		Male	Female
Literate		Workers	Male_Workers \
0	870354	474190	396164
1	753745	398041	355704
2	133487	78971	54516
3	140802	77785	63017

4	476835	251899	224936	261724	161393	117677
...	...	...	...	...	...	...
635	41816	19143	22673	36470	11802	9093
636	200222	97809	102413	154916	68301	53139
637	36842	20727	16115	25332	17125	12714
638	105597	54861	50736	78683	38579	30612
639	238142	127283	110859	190266	96831	77563

	Female_Workers	...	Christians	Sikhs	Buddhists	Jains	\
0	38165	...	1700	5600	66	39	
1	52288	...	1489	5559	47	6	
2	21814	...	658	1092	88635	103	
3	12034	...	604	1171	20126	28	
4	43716	...	958	11188	83	10	
...	...	...	...	...	...	...	
635	2709	...	958	3	21	14	
636	15162	...	18391	46	63	54	
637	4411	...	26077	343	119	0	
638	7967	...	21870	77	84	4	
639	19268	...	33037	866	135	27	

	Secondary_Education	Higher_Education	Graduate_Education	\
0	74948	39709	21751	
1	66459	41367	27950	
2	16265	8923	6197	
3	16938	9826	3077	
4	46062	29517	13962	
...	...	...	...	
635	8773	5711	4475	
636	29456	15930	18998	
637	6325	3668	1300	
638	12707	10042	5133	
639	42150	29910	22388	

	Age_Group_0_29	Age_Group_30_49	Age_Group_50
0	600759	178435	89679
1	503223	160933	88978
2	70703	41515	21019
3	87532	35561	17488
4	304979	109818	61334
...	...	...	...
635	19760	12543	9428
636	102333	60089	37434
637	18786	12088	5922
638	57350	30741	17464
639	128402	76332	33128

[640 rows x 25 columns]

Q1-> Hide the indexes in the dataframe.

```
india.head(5)
```

	District_code	State_name	District_name	Population	Male	Female
0	1	JAMMU AND KASHMIR	Kupwara	870354	474190	396164
1	2	JAMMU AND KASHMIR	Badgam	753745	398041	355704
2	3	JAMMU AND KASHMIR	Leh(Ladakh)	133487	78971	54516
3	4	JAMMU AND KASHMIR	Kargil	140802	77785	63017
4	5	JAMMU AND KASHMIR	Punch	476835	251899	224936

	Literate	Workers	Male_Workers	Female_Workers	...	Christians	Sikhs
0	439654	229064	190899	38165	...	1700	5600
1	335649	214866	162578	52288	...	1489	5559
2	93770	75079	53265	21814	...	658	1092
3	86236	51873	39839	12034	...	604	1171
4	261724	161393	117677	43716	...	958	11188

	Buddhists	Jains	Secondary_Education	Higher_Education
0	66	39	74948	39709
1	47	6	66459	41367
2	88635	103	16265	8923
3	20126	28	16938	9826
4	83	10	46062	29517

	Graduate_Education	Age_Group_0_29	Age_Group_30_49	Age_Group_50
0	21751	600759	178435	89679
1	27950	503223	160933	88978
2	6197	70703	41515	21019
3	3077	87532	35561	17488
4	13962	304979	109818	61334

```
[5 rows x 25 columns]
```

```
#df.style.hide_index()
india.style.hide_index()
```

C:\Users\Intel\AppData\Local\Temp\ipykernel\_14684\3851232041.py:2:  
FutureWarning: this method is deprecated in favour of

```
`Styler.hide(axis="index")`
india.style.hide_index()
```

```
<pandas.io.formats.style.Styler at 0x2f247a54b80>
```

```
india
```

District_code		State_name	
District_name \			
0	1	JAMMU AND KASHMIR	
Kupwara			
1	2	JAMMU AND KASHMIR	
Badgam			
2	3	JAMMU AND KASHMIR	
Leh(Ladakh)			
3	4	JAMMU AND KASHMIR	
Kargil			
4	5	JAMMU AND KASHMIR	
Punch			
..	...	...	
...			
635	636	PONDICHERRY	
Mahe			
636	637	PONDICHERRY	
Karaikal			
637	638	ANDAMAN AND NICOBAR ISLANDS	
Nicobars			
638	639	ANDAMAN AND NICOBAR ISLANDS	North AND Middle
Andaman			
639	640	ANDAMAN AND NICOBAR ISLANDS	South
Andaman			
	Population	Male	Female
0	870354	474190	396164
1	753745	398041	355704
2	133487	78971	54516
3	140802	77785	63017
4	476835	251899	224936
..	...	...	...
635	41816	19143	22673
636	200222	97809	102413
637	36842	20727	16115
638	105597	54861	50736
639	238142	127283	110859
	Literate	Workers	Male_Workers \
0	439654	229064	190899
1	335649	214866	162578
2	93770	75079	53265
3	86236	51873	39839
4	261724	161393	117677
..	...	...	...
635	36470	11802	9093
636	154916	68301	53139
637	25332	17125	12714
638	78683	38579	30612
639	190266	96831	77563
	Female_Workers	...	Christians
0	38165	...	1700
1	52288	...	1489
2	21814	...	658
3	12034	...	604
	Sikhs	Buddhists	Jains \
0	5600	66	39
1	5559	47	6
2	1092	88635	103
3	1171	20126	28

4	43716	...	958	11188	83	10
...	...	...	...	...	...	...
635	2709	...	958	3	21	14
636	15162	...	18391	46	63	54
637	4411	...	26077	343	119	0
638	7967	...	21870	77	84	4
639	19268	...	33037	866	135	27

  

	Secondary_Education	Higher_Education	Graduate_Education	\
0	74948	39709	21751	
1	66459	41367	27950	
2	16265	8923	6197	
3	16938	9826	3077	
4	46062	29517	13962	
...	...	...	...	
635	8773	5711	4475	
636	29456	15930	18998	
637	6325	3668	1300	
638	12707	10042	5133	
639	42150	29910	22388	

  

	Age_Group_0_29	Age_Group_30_49	Age_Group_50
0	600759	178435	89679
1	503223	160933	88978
2	70703	41515	21019
3	87532	35561	17488
4	304979	109818	61334
...	...	...	...
635	19760	12543	9428
636	102333	60089	37434
637	18786	12088	5922
638	57350	30741	17464
639	128402	76332	33128

[640 rows x 25 columns]

Q2-> Set the heading to the dataframe.

```
#df.style.set_caption('Name')
india.style.set_caption('India Census 2011')
```

<pandas.io.formats.style.Styler at 0x2f24d0dba90>

india

	District_code	State_name
District_name \		
0	1	JAMMU AND KASHMIR
Kupwara		
1	2	JAMMU AND KASHMIR

Badgam		
2	3	JAMMU AND KASHMIR
Leh(Ladakh)		
3	4	JAMMU AND KASHMIR
Kargil		
4	5	JAMMU AND KASHMIR
Punch		
..	...	...
...		
635	636	PONDICHERRY
Mahe		
636	637	PONDICHERRY
Karaikal		
637	638	ANDAMAN AND NICOBAR ISLANDS
Nicobars		
638	639	ANDAMAN AND NICOBAR ISLANDS North AND Middle
Andaman		
639	640	ANDAMAN AND NICOBAR ISLANDS South
Andaman		

	Population	Male	Female	Literate	Workers	Male_Workers \
0	870354	474190	396164	439654	229064	190899
1	753745	398041	355704	335649	214866	162578
2	133487	78971	54516	93770	75079	53265
3	140802	77785	63017	86236	51873	39839
4	476835	251899	224936	261724	161393	117677
..	...	...	...	...	...	...
635	41816	19143	22673	36470	11802	9093
636	200222	97809	102413	154916	68301	53139
637	36842	20727	16115	25332	17125	12714
638	105597	54861	50736	78683	38579	30612
639	238142	127283	110859	190266	96831	77563

	Female_Workers	...	Christians	Sikhs	Buddhists	Jains \
0	38165	...	1700	5600	66	39
1	52288	...	1489	5559	47	6
2	21814	...	658	1092	88635	103
3	12034	...	604	1171	20126	28
4	43716	...	958	11188	83	10
..	...	...	...	...	...	...
635	2709	...	958	3	21	14
636	15162	...	18391	46	63	54
637	4411	...	26077	343	119	0
638	7967	...	21870	77	84	4
639	19268	...	33037	866	135	27

	Secondary_Education	Higher_Education	Graduate_Education \
0	74948	39709	21751
1	66459	41367	27950
2	16265	8923	6197

3	16938	9826	3077
4	46062	29517	13962
..	...	...	...
635	8773	5711	4475
636	29456	15930	18998
637	6325	3668	1300
638	12707	10042	5133
639	42150	29910	22388

	Age_Group_0_29	Age_Group_30_49	Age_Group_50
0	600759	178435	89679
1	503223	160933	88978
2	70703	41515	21019
3	87532	35561	17488
4	304979	109818	61334
..	...	...	...
635	19760	12543	9428
636	102333	60089	37434
637	18786	12088	5922
638	57350	30741	17464
639	128402	76332	33128

[640 rows x 25 columns]

Q3-> Show the records related with districts- New Delhi, Jaipur,Lucknow.

india.head(2)

	District_code	State_name	District_name	Population	Male	Female
0	1	JAMMU AND KASHMIR	Kupwara	870354	474190	396164
1	2	JAMMU AND KASHMIR	Badgam	753745	398041	355704

	Literate	Workers	Male_Workers	Female_Workers	...	Christians
0	439654	229064	190899	38165	...	1700
1	335649	214866	162578	52288	...	1489

	Buddhists	Jains	Secondary_Education	Higher_Education
0	66	39	74948	39709
1	47	6	66459	41367

	Graduate_Education	Age_Group_0_29	Age_Group_30_49	Age_Group_50
0	21751	600759	178435	89679

```
1          27950          503223          160933          88978
```

```
[2 rows x 25 columns]
```

```
#here we have to use isin
```

```
india[india['District_name'].isin(['New Delhi','Jaipur','Lucknow'])]
```

	District_code	State_name	District_name	Population	Male	Female \
93	94	NCT OF DELHI	New Delhi	142004	77942	64062
109	110	RAJASTHAN	Jaipur	6626178	3468507	3157671
156	157	UTTAR PRADESH	Lucknow	4589838	2394476	2195362

	Literate	Workers	Male_Workers	Female_Workers	...	Christians
93	114179	59541	46940	12601	...	4852
109	4300965	2464893	1714947	749946	...	12708
156	3127260	1542806	1226399	316407	...	20493

	Buddhists	Jains	Secondary_Education	Higher_Education \
93	312	679	15942	17742
109	1020	81079	659389	455527
156	3877	4975	428121	378742

	Graduate_Education	Age_Group_0_29	Age_Group_30_49	Age_Group_50
93	23934	76076	43913	21773
109	703673	4091148	1646480	884057
156	639260	2678289	1161686	685258

```
[3 rows x 25 columns]
```

Q4-> Calculate statewise:

(A) Population

(B) Total no. of population with religion

```
india.head(5)
```



	District_code	State_name	District_name	Population	Male	Female \
0	1	JAMMU AND KASHMIR	Kupwara	870354	474190	396164
1	2	JAMMU AND KASHMIR	Badgam	753745	398041	355704
2	3	JAMMU AND KASHMIR	Leh(Ladakh)	133487	78971	54516
3	4	JAMMU AND KASHMIR	Kargil	140802	77785	63017
4	5	JAMMU AND KASHMIR	Punch	476835	251899	224936

	Literate	Workers	Male_Workers	Female_Workers	...	Christians	Sikhs \
0	439654	229064	190899	38165	...	1700	5600
1	335649	214866	162578	52288	...	1489	5559
2	93770	75079	53265	21814	...	658	1092
3	86236	51873	39839	12034	...	604	1171
4	261724	161393	117677	43716	...	958	11188

	Buddhists	Jains	Secondary_Education	Higher_Education \
0	66	39	74948	39709
1	47	6	66459	41367
2	88635	103	16265	8923
3	20126	28	16938	9826
4	83	10	46062	29517

	Graduate_Education	Age_Group_0_29	Age_Group_30_49	Age_Group_50
0	21751	600759	178435	89679
1	27950	503223	160933	88978
2	6197	70703	41515	21019
3	3077	87532	35561	17488
4	13962	304979	109818	61334

[5 rows x 25 columns]

```
india.groupby('State_name').Population.sum().sort_values(ascending=False)
```

State_name	
UTTAR PRADESH	199812341
MAHARASHTRA	112374333
BIHAR	104099452
WEST BENGAL	91276115

ANDHRA PRADESH	84580777
MADHYA PRADESH	72626809
TAMIL NADU	72147030
RAJASTHAN	68548437
KARNATAKA	61095297
GUJARAT	60439692
ORISSA	41974218
KERALA	33406061
JHARKHAND	32988134
ASSAM	31205576
PUNJAB	27743338
CHHATTISGARH	25545198
HARYANA	25351462
NCT OF DELHI	16787941
JAMMU AND KASHMIR	12541302
UTTARAKHAND	10086292
HIMACHAL PRADESH	6864602
TRIPURA	3673917
MEGHALAYA	2966889
MANIPUR	2855794
NAGALAND	1978502
GOA	1458545
ARUNACHAL PRADESH	1383727
PONDICHERRY	1247953
MIZORAM	1097206
CHANDIGARH	1055450
SIKKIM	610577
ANDAMAN AND NICOBAR ISLANDS	380581
DADRA AND NAGAR HAVELI	343709
DAMAN AND DIU	243247
LAKSHADWEEP	64473

Name: Population, dtype: int64

```
india['Population'].sum()
```

1210854977

```
india.groupby('State_name')
```

```
['Hindus', 'Muslims', 'Christians', 'Sikhs', 'Buddhists', 'Jains'].sum().sort_values(by='Hindus')
```

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FutureWarning: Indexing with multiple keys (implicitly converted to a tuple of keys) will be deprecated, use a list instead.

```
india.groupby('State_name')
```

```
['Hindus', 'Muslims', 'Christians', 'Sikhs', 'Buddhists', 'Jains'].sum().sort_values(by='Hindus')
```

	Hindus	Muslims	Christians	Sikhs
\				

State_name				
LAKSHADWEEP	1788	62268	317	8
MIZORAM	30136	14832	956331	286
NAGALAND	173054	48963	1739651	1890
DAMAN AND DIU	220150	19277	2820	172
ANDAMAN AND NICOBAR ISLANDS	264296	32413	80984	1286
DADRA AND NAGAR HAVELI	322857	12922	5113	217
MEGHALAYA	342078	130399	2213027	3045
SIKKIM	352662	9867	60522	1868
ARUNACHAL PRADESH	401876	27045	418732	3287
CHANDIGARH	852574	51447	8720	138329
GOA	963877	121564	366130	1473
PONDICHERRY	1089409	75556	78550	297
MANIPUR	1181876	239836	1179043	1527
TRIPURA	3063903	316042	159882	1070
JAMMU AND KASHMIR	3566674	8567485	35631	234848
HIMACHAL PRADESH	6532765	149881	12646	79896
UTTARAKHAND	8368636	1406825	37781	236340
PUNJAB	10678138	535489	348230	16004754
NCT OF DELHI	13712100	2158684	146093	570581
KERALA	18282492	8873472	6141269	3814
ASSAM	19180759	10679345	1165867	20672
HARYANA	22171128	1781342	50353	1243752
JHARKHAND	22376051	4793994	1418608	71422
CHHATTISGARH	23819789	514998	490542	70036
ORISSA	39300341	911670	1161708	21991

KARNATAKA	51317472	7893065	1142647	28773
GUJARAT	53533988	5846761	316178	58246
RAJASTHAN	60657103	6215377	96430	872930
TAMIL NADU	63188168	4229479	4418331	14601
WEST BENGAL	64385546	24654825	658618	63523
MADHYA PRADESH	66007121	4774695	213282	151412
ANDHRA PRADESH	74824149	8082412	1129784	40244
BIHAR	86078686	17557809	129247	23779
MAHARASHTRA	89703057	12971152	1080073	223247
UTTAR PRADESH	159312654	38483967	356448	643500
	Buddhists	Jains		
State_name				
LAKSHADWEEP	10	11		
MIZORAM	93411	376		
NAGALAND	6759	2655		
DAMAN AND DIU	217	287		
ANDAMAN AND NICOBAR ISLANDS	338	31		
DADRA AND NAGAR HAVELI	634	1186		
MEGHALAYA	9864	627		
SIKKIM	167216	314		
ARUNACHAL PRADESH	162815	771		
CHANDIGARH	1160	1960		
GOA	1095	1109		
PONDICHERRY	451	1400		
MANIPUR	7084	1692		
TRIPURA	125385	860		
JAMMU AND KASHMIR	112584	2490		
HIMACHAL PRADESH	78659	1805		
UTTARAKHAND	14926	9183		
PUNJAB	33237	45040		
NCT OF DELHI	18449	166231		
KERALA	4752	4489		
ASSAM	54993	25949		
HARYANA	7514	52613		
JHARKHAND	8956	14974		
CHHATTISGARH	70467	61510		
ORISSA	13852	9420		
KARNATAKA	95710	440280		
GUJARAT	30483	579654		

RAJASTHAN	12185	622023
TAMIL NADU	11186	89265
WEST BENGAL	282898	60141
MADHYA PRADESH	216052	567028
ANDHRA PRADESH	36692	53849
BIHAR	25453	18914
MAHARASHTRA	6531200	1400349
UTTAR PRADESH	206285	213267

```
india.groupby('State_name')
['Hindus', 'Muslims', 'Christians', 'Sikhs', 'Buddhists', 'Jains'].sum().so
rt_values(by = 'Muslims')
```

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FutureWarning: Indexing with multiple keys (implicitly converted to a tuple of keys) will be deprecated, use a list instead.

```
india.groupby('State_name')
['Hindus', 'Muslims', 'Christians', 'Sikhs', 'Buddhists', 'Jains'].sum().so
rt_values(by = 'Muslims')
```

	Hindus	Muslims	Christians	Sikhs
\				
State_name				
SIKKIM	352662	9867	60522	1868
DADRA AND NAGAR HAVELI	322857	12922	5113	217
MIZORAM	30136	14832	956331	286
DAMAN AND DIU	220150	19277	2820	172
ARUNACHAL PRADESH	401876	27045	418732	3287
ANDAMAN AND NICOBAR ISLANDS	264296	32413	80984	1286
NAGALAND	173054	48963	1739651	1890
CHANDIGARH	852574	51447	8720	138329
LAKSHADWEEP	1788	62268	317	8
PONDICHERRY	1089409	75556	78550	297
GOA	963877	121564	366130	1473
MEGHALAYA	342078	130399	2213027	3045
HIMACHAL PRADESH	6532765	149881	12646	79896
MANIPUR	1181876	239836	1179043	1527

TRIPURA	3063903	316042	159882	1070
CHHATTISGARH	23819789	514998	490542	70036
PUNJAB	10678138	535489	348230	16004754
ORISSA	39300341	911670	1161708	21991
UTTARAKHAND	8368636	1406825	37781	236340
HARYANA	22171128	1781342	50353	1243752
NCT OF DELHI	13712100	2158684	146093	570581
TAMIL NADU	63188168	4229479	4418331	14601
MADHYA PRADESH	66007121	4774695	213282	151412
JHARKHAND	22376051	4793994	1418608	71422
GUJARAT	53533988	5846761	316178	58246
RAJASTHAN	60657103	6215377	96430	872930
KARNATAKA	51317472	7893065	1142647	28773
ANDHRA PRADESH	74824149	8082412	1129784	40244
JAMMU AND KASHMIR	3566674	8567485	35631	234848
KERALA	18282492	8873472	6141269	3814
ASSAM	19180759	10679345	1165867	20672
MAHARASHTRA	89703057	12971152	1080073	223247
BIHAR	86078686	17557809	129247	23779
WEST BENGAL	64385546	24654825	658618	63523
UTTAR PRADESH	159312654	38483967	356448	643500
	Buddhists	Jains		
State_name				
SIKKIM	167216	314		
DADRA AND NAGAR HAVELI	634	1186		
MIZORAM	93411	376		
DAMAN AND DIU	217	287		
ARUNACHAL PRADESH	162815	771		

ANDAMAN AND NICOBAR ISLANDS	338	31
NAGALAND	6759	2655
CHANDIGARH	1160	1960
LAKSHADWEEP	10	11
PONDICHERRY	451	1400
GOA	1095	1109
MEGHALAYA	9864	627
HIMACHAL PRADESH	78659	1805
MANIPUR	7084	1692
TRIPURA	125385	860
CHHATTISGARH	70467	61510
PUNJAB	33237	45040
ORISSA	13852	9420
UTTARAKHAND	14926	9183
HARYANA	7514	52613
NCT OF DELHI	18449	166231
TAMIL NADU	11186	89265
MADHYA PRADESH	216052	567028
JHARKHAND	8956	14974
GUJARAT	30483	579654
RAJASTHAN	12185	622023
KARNATAKA	95710	440280
ANDHRA PRADESH	36692	53849
JAMMU AND KASHMIR	112584	2490
KERALA	4752	4489
ASSAM	54993	25949
MAHARASHTRA	6531200	1400349
BIHAR	25453	18914
WEST BENGAL	282898	60141
UTTAR PRADESH	206285	213267

```
india.groupby('State_name')
['Hindus', 'Muslims', 'Christians', 'Sikhs', 'Buddhists', 'Jains'].sum().so
rt_values(by = 'Christians')
```

C:\Users\Intel\AppData\Local\Temp\ipykernel\_14684\2829185836.py:1:

FutureWarning: Indexing with multiple keys (implicitly converted to a tuple of keys) will be deprecated, use a list instead.

```
india.groupby('State_name')
['Hindus', 'Muslims', 'Christians', 'Sikhs', 'Buddhists', 'Jains'].sum().so
rt_values(by = 'Christians')
```

	Hindus	Muslims	Christians	Sikhs
\				
State_name				
LAKSHADWEEP	1788	62268	317	8
DAMAN AND DIU	220150	19277	2820	172

DADRA AND NAGAR HAVELI	322857	12922	5113	217
CHANDIGARH	852574	51447	8720	138329
HIMACHAL PRADESH	6532765	149881	12646	79896
JAMMU AND KASHMIR	3566674	8567485	35631	234848
UTTARAKHAND	8368636	1406825	37781	236340
HARYANA	22171128	1781342	50353	1243752
SIKKIM	352662	9867	60522	1868
PONDICHERRY	1089409	75556	78550	297
ANDAMAN AND NICOBAR ISLANDS	264296	32413	80984	1286
RAJASTHAN	60657103	6215377	96430	872930
BIHAR	86078686	17557809	129247	23779
NCT OF DELHI	13712100	2158684	146093	570581
TRIPURA	3063903	316042	159882	1070
MADHYA PRADESH	66007121	4774695	213282	151412
GUJARAT	53533988	5846761	316178	58246
PUNJAB	10678138	535489	348230	16004754
UTTAR PRADESH	159312654	38483967	356448	643500
GOA	963877	121564	366130	1473
ARUNACHAL PRADESH	401876	27045	418732	3287
CHHATTISGARH	23819789	514998	490542	70036
WEST BENGAL	64385546	24654825	658618	63523
MIZORAM	30136	14832	956331	286
MAHARASHTRA	89703057	12971152	1080073	223247
ANDHRA PRADESH	74824149	8082412	1129784	40244
KARNATAKA	51317472	7893065	1142647	28773
ORISSA	39300341	911670	1161708	21991



ASSAM	19180759	10679345	1165867	20672
MANIPUR	1181876	239836	1179043	1527
JHARKHAND	22376051	4793994	1418608	71422
NAGALAND	173054	48963	1739651	1890
MEGHALAYA	342078	130399	2213027	3045
TAMIL NADU	63188168	4229479	4418331	14601
KERALA	18282492	8873472	6141269	3814
	Buddhists	Jains		
State_name				
LAKSHADWEEP	10	11		
DAMAN AND DIU	217	287		
DADRA AND NAGAR HAVELI	634	1186		
CHANDIGARH	1160	1960		
HIMACHAL PRADESH	78659	1805		
JAMMU AND KASHMIR	112584	2490		
UTTARAKHAND	14926	9183		
HARYANA	7514	52613		
SIKKIM	167216	314		
PONDICHERRY	451	1400		
ANDAMAN AND NICOBAR ISLANDS	338	31		
RAJASTHAN	12185	622023		
BIHAR	25453	18914		
NCT OF DELHI	18449	166231		
TRIPURA	125385	860		
MADHYA PRADESH	216052	567028		
GUJARAT	30483	579654		
PUNJAB	33237	45040		
UTTAR PRADESH	206285	213267		
GOA	1095	1109		
ARUNACHAL PRADESH	162815	771		
CHHATTISGARH	70467	61510		
WEST BENGAL	282898	60141		
MIZORAM	93411	376		
MAHARASHTRA	6531200	1400349		
ANDHRA PRADESH	36692	53849		
KARNATAKA	95710	440280		
ORISSA	13852	9420		
ASSAM	54993	25949		
MANIPUR	7084	1692		
JHARKHAND	8956	14974		
NAGALAND	6759	2655		
MEGHALAYA	9864	627		

TAMIL NADU	11186	89265
KERALA	4752	4489

```
india.groupby('State_name')
['Hindus', 'Muslims', 'Christians', 'Sikhs', 'Buddhists', 'Jains'].sum().so
rt_values(by = 'Sikhs')
```

C:\Users\Intel\AppData\Local\Temp\ipykernel\_14684\2303039299.py:1:  
FutureWarning: Indexing with multiple keys (implicitly converted to a  
tuple of keys) will be deprecated, use a list instead.

```
india.groupby('State_name')
['Hindus', 'Muslims', 'Christians', 'Sikhs', 'Buddhists', 'Jains'].sum().so
rt_values(by = 'Sikhs')
```

	Hindus	Muslims	Christians	Sikhs
\				
State_name				
LAKSHADWEEP	1788	62268	317	8
DAMAN AND DIU	220150	19277	2820	172
DADRA AND NAGAR HAVELI	322857	12922	5113	217
MIZORAM	30136	14832	956331	286
PONDICHERRY	1089409	75556	78550	297
TRIPURA	3063903	316042	159882	1070
ANDAMAN AND NICOBAR ISLANDS	264296	32413	80984	1286
GOA	963877	121564	366130	1473
MANIPUR	1181876	239836	1179043	1527
SIKKIM	352662	9867	60522	1868
NAGALAND	173054	48963	1739651	1890
MEGHALAYA	342078	130399	2213027	3045
ARUNACHAL PRADESH	401876	27045	418732	3287
KERALA	18282492	8873472	6141269	3814
TAMIL NADU	63188168	4229479	4418331	14601
ASSAM	19180759	10679345	1165867	20672
ORISSA	39300341	911670	1161708	21991

BIHAR	86078686	17557809	129247	23779
KARNATAKA	51317472	7893065	1142647	28773
ANDHRA PRADESH	74824149	8082412	1129784	40244
GUJARAT	53533988	5846761	316178	58246
WEST BENGAL	64385546	24654825	658618	63523
CHHATTISGARH	23819789	514998	490542	70036
JHARKHAND	22376051	4793994	1418608	71422
HIMACHAL PRADESH	6532765	149881	12646	79896
CHANDIGARH	852574	51447	8720	138329
MADHYA PRADESH	66007121	4774695	213282	151412
MAHARASHTRA	89703057	12971152	1080073	223247
JAMMU AND KASHMIR	3566674	8567485	35631	234848
UTTARAKHAND	8368636	1406825	37781	236340
NCT OF DELHI	13712100	2158684	146093	570581
UTTAR PRADESH	159312654	38483967	356448	643500
RAJASTHAN	60657103	6215377	96430	872930
HARYANA	22171128	1781342	50353	1243752
PUNJAB	10678138	535489	348230	16004754

	Buddhists	Jains
State_name		
LAKSHADWEEP	10	11
DAMAN AND DIU	217	287
DADRA AND NAGAR HAVELI	634	1186
MIZORAM	93411	376
PONDICHERRY	451	1400
TRIPURA	125385	860
ANDAMAN AND NICOBAR ISLANDS	338	31
GOA	1095	1109
MANIPUR	7084	1692
SIKKIM	167216	314
NAGALAND	6759	2655
MEGHALAYA	9864	627

ARUNACHAL PRADESH	162815	771
KERALA	4752	4489
TAMIL NADU	11186	89265
ASSAM	54993	25949
ORISSA	13852	9420
BIHAR	25453	18914
KARNATAKA	95710	440280
ANDHRA PRADESH	36692	53849
GUJARAT	30483	579654
WEST BENGAL	282898	60141
CHHATTISGARH	70467	61510
JHARKHAND	8956	14974
HIMACHAL PRADESH	78659	1805
CHANDIGARH	1160	1960
MADHYA PRADESH	216052	567028
MAHARASHTRA	6531200	1400349
JAMMU AND KASHMIR	112584	2490
UTTARAKHAND	14926	9183
NCT OF DELHI	18449	166231
UTTAR PRADESH	206285	213267
RAJASTHAN	12185	622023
HARYANA	7514	52613
PUNJAB	33237	45040

```
india.groupby('State_name')
['Hindus', 'Muslims', 'Christians', 'Sikhs', 'Buddhists', 'Jains'].sum().so
rt_values(by = 'Buddhists')
```

C:\Users\Intel\AppData\Local\Temp\ipykernel\_14684\1116056636.py:1:  
FutureWarning: Indexing with multiple keys (implicitly converted to a  
tuple of keys) will be deprecated, use a list instead.

```
india.groupby('State_name')
['Hindus', 'Muslims', 'Christians', 'Sikhs', 'Buddhists', 'Jains'].sum().so
rt_values(by = 'Buddhists')
```

	Hindus	Muslims	Christians	Sikhs
\				
State_name				
LAKSHADWEEP	1788	62268	317	8
DAMAN AND DIU	220150	19277	2820	172
ANDAMAN AND NICOBAR ISLANDS	264296	32413	80984	1286
PONDICHERRY	1089409	75556	78550	297
DADRA AND NAGAR HAVELI	322857	12922	5113	217
GOA	963877	121564	366130	1473

CHANDIGARH	852574	51447	8720	138329
KERALA	18282492	8873472	6141269	3814
NAGALAND	173054	48963	1739651	1890
MANIPUR	1181876	239836	1179043	1527
HARYANA	22171128	1781342	50353	1243752
JHARKHAND	22376051	4793994	1418608	71422
MEGHALAYA	342078	130399	2213027	3045
TAMIL NADU	63188168	4229479	4418331	14601
RAJASTHAN	60657103	6215377	96430	872930
ORISSA	39300341	911670	1161708	21991
UTTARAKHAND	8368636	1406825	37781	236340
NCT OF DELHI	13712100	2158684	146093	570581
BIHAR	86078686	17557809	129247	23779
GUJARAT	53533988	5846761	316178	58246
PUNJAB	10678138	535489	348230	16004754
ANDHRA PRADESH	74824149	8082412	1129784	40244
ASSAM	19180759	10679345	1165867	20672
CHHATTISGARH	23819789	514998	490542	70036
HIMACHAL PRADESH	6532765	149881	12646	79896
MIZORAM	30136	14832	956331	286
KARNATAKA	51317472	7893065	1142647	28773
JAMMU AND KASHMIR	3566674	8567485	35631	234848
TRIPURA	3063903	316042	159882	1070
ARUNACHAL PRADESH	401876	27045	418732	3287
SIKKIM	352662	9867	60522	1868
UTTAR PRADESH	159312654	38483967	356448	643500

MADHYA PRADESH	66007121	4774695	213282	151412
WEST BENGAL	64385546	24654825	658618	63523
MAHARASHTRA	89703057	12971152	1080073	223247
	Buddhists	Jains		
State_name				
LAKSHADWEEP	10	11		
DAMAN AND DIU	217	287		
ANDAMAN AND NICOBAR ISLANDS	338	31		
PONDICHERRY	451	1400		
DADRA AND NAGAR HAVELI	634	1186		
GOA	1095	1109		
CHANDIGARH	1160	1960		
KERALA	4752	4489		
NAGALAND	6759	2655		
MANIPUR	7084	1692		
HARYANA	7514	52613		
JHARKHAND	8956	14974		
MEGHALAYA	9864	627		
TAMIL NADU	11186	89265		
RAJASTHAN	12185	622023		
ORISSA	13852	9420		
UTTARAKHAND	14926	9183		
NCT OF DELHI	18449	166231		
BIHAR	25453	18914		
GUJARAT	30483	579654		
PUNJAB	33237	45040		
ANDHRA PRADESH	36692	53849		
ASSAM	54993	25949		
CHHATTISGARH	70467	61510		
HIMACHAL PRADESH	78659	1805		
MIZORAM	93411	376		
KARNATAKA	95710	440280		
JAMMU AND KASHMIR	112584	2490		
TRIPURA	125385	860		
ARUNACHAL PRADESH	162815	771		
SIKKIM	167216	314		
UTTAR PRADESH	206285	213267		
MADHYA PRADESH	216052	567028		
WEST BENGAL	282898	60141		
MAHARASHTRA	6531200	1400349		
india.groupby('State_name')				
['Hindus', 'Muslims', 'Christians', 'Sikhs', 'Buddhists', 'Jains'].sum().so				
rt_values(by = 'Jains')				

```
C:\Users\Intel\AppData\Local\Temp\ipykernel_14684\457364065.py:1:
FutureWarning: Indexing with multiple keys (implicitly converted to a
tuple of keys) will be deprecated, use a list instead.
  india.groupby('State_name')
['Hindus','Muslims','Christians','Sikhs','Buddhists','Jains'].sum().so
rt_values(by ='Jains')
```

	Hindus	Muslims	Christians	Sikhs
\ State_name				
LAKSHADWEEP	1788	62268	317	8
ANDAMAN AND NICOBAR ISLANDS	264296	32413	80984	1286
DAMAN AND DIU	220150	19277	2820	172
SIKKIM	352662	9867	60522	1868
MIZORAM	30136	14832	956331	286
MEGHALAYA	342078	130399	2213027	3045
ARUNACHAL PRADESH	401876	27045	418732	3287
TRIPURA	3063903	316042	159882	1070
GOA	963877	121564	366130	1473
DADRA AND NAGAR HAVELI	322857	12922	5113	217
PONDICHERRY	1089409	75556	78550	297
MANIPUR	1181876	239836	1179043	1527
HIMACHAL PRADESH	6532765	149881	12646	79896
CHANDIGARH	852574	51447	8720	138329
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NAGALAND	173054	48963	1739651	1890
KERALA	18282492	8873472	6141269	3814
UTTARAKHAND	8368636	1406825	37781	236340
ORISSA	39300341	911670	1161708	21991
JHARKHAND	22376051	4793994	1418608	71422

BIHAR	86078686	17557809	129247	23779
ASSAM	19180759	10679345	1165867	20672
PUNJAB	10678138	535489	348230	16004754
HARYANA	22171128	1781342	50353	1243752
ANDHRA PRADESH	74824149	8082412	1129784	40244
WEST BENGAL	64385546	24654825	658618	63523
CHHATTISGARH	23819789	514998	490542	70036
TAMIL NADU	63188168	4229479	4418331	14601
NCT OF DELHI	13712100	2158684	146093	570581
UTTAR PRADESH	159312654	38483967	356448	643500
KARNATAKA	51317472	7893065	1142647	28773
MADHYA PRADESH	66007121	4774695	213282	151412
GUJARAT	53533988	5846761	316178	58246
RAJASTHAN	60657103	6215377	96430	872930
MAHARASHTRA	89703057	12971152	1080073	223247
	Buddhists	Jains		
State_name				
LAKSHADWEEP	10	11		
ANDAMAN AND NICOBAR ISLANDS	338	31		
DAMAN AND DIU	217	287		
SIKKIM	167216	314		
MIZORAM	93411	376		
MEGHALAYA	9864	627		
ARUNACHAL PRADESH	162815	771		
TRIPURA	125385	860		
GOA	1095	1109		
DADRA AND NAGAR HAVELI	634	1186		
PONDICHERRY	451	1400		
MANIPUR	7084	1692		
HIMACHAL PRADESH	78659	1805		
CHANDIGARH	1160	1960		
JAMMU AND KASHMIR	112584	2490		
NAGALAND	6759	2655		
KERALA	4752	4489		
UTTARAKHAND	14926	9183		



ORISSA	13852	9420
JHARKHAND	8956	14974
BIHAR	25453	18914
ASSAM	54993	25949
PUNJAB	33237	45040
HARYANA	7514	52613
ANDHRA PRADESH	36692	53849
WEST BENGAL	282898	60141
CHHATTISGARH	70467	61510
TAMIL NADU	11186	89265
NCT OF DELHI	18449	166231
UTTAR PRADESH	206285	213267
KARNATAKA	95710	440280
MADHYA PRADESH	216052	567028
GUJARAT	30483	579654
RAJASTHAN	12185	622023
MAHARASHTRA	6531200	1400349

So all statewise religion details have been analysed.

Q5-> How many male workers are in Maharashtra?

```
india[india['State_name']=='MAHARASHTRA']['Male_Workers']
```

```
496      442898
497      570448
498     1186472
499      734024
500      520362
501      340353
502      837577
503      392316
504     1334211
505      345054
506      383151
507      323338
508      648565
509      815475
510      925232
511      330903
512      501422
513      545030
514     1015864
515     1746286
516     3363123
517     2944322
518     1021009
519      753843
520     2809816
```

```

521    1300309
522    727819
523    670018
524    473795
525    1206933
526    844805
527    407008
528    229676
529    1125204
530    800214
Name: Male_Workers, dtype: int64

india[india['State_name']=='MAHARASHTRA']['Male_Workers'].sum()

32616875

```

Q6-> Set a column name as index of Dataframe.

```

india

```

	District_code	State_name
District_name \		
0	1	JAMMU AND KASHMIR
Kupwara		
1	2	JAMMU AND KASHMIR
Badgam		
2	3	JAMMU AND KASHMIR
Leh(Ladakh)		
3	4	JAMMU AND KASHMIR
Kargil		
4	5	JAMMU AND KASHMIR
Punch		
..	...	...
...		
635	636	PONDICHERRY
Mahe		
636	637	PONDICHERRY
Karaikal		
637	638	ANDAMAN AND NICOBAR ISLANDS
Nicobars		
638	639	ANDAMAN AND NICOBAR ISLANDS North AND Middle
Andaman		
639	640	ANDAMAN AND NICOBAR ISLANDS South
Andaman		

  

	Population	Male	Female	Literate	Workers	Male_Workers \
0	870354	474190	396164	439654	229064	190899
1	753745	398041	355704	335649	214866	162578
2	133487	78971	54516	93770	75079	53265
3	140802	77785	63017	86236	51873	39839

4	476835	251899	224936	261724	161393	117677
...	...	...	...	...	...	...
635	41816	19143	22673	36470	11802	9093
636	200222	97809	102413	154916	68301	53139
637	36842	20727	16115	25332	17125	12714
638	105597	54861	50736	78683	38579	30612
639	238142	127283	110859	190266	96831	77563

	Female_Workers	...	Christians	Sikhs	Buddhists	Jains	\
0	38165	...	1700	5600	66	39	
1	52288	...	1489	5559	47	6	
2	21814	...	658	1092	88635	103	
3	12034	...	604	1171	20126	28	
4	43716	...	958	11188	83	10	
...	...	...	...	...	...	...	
635	2709	...	958	3	21	14	
636	15162	...	18391	46	63	54	
637	4411	...	26077	343	119	0	
638	7967	...	21870	77	84	4	
639	19268	...	33037	866	135	27	

	Secondary_Education	Higher_Education	Graduate_Education	\
0	74948	39709	21751	
1	66459	41367	27950	
2	16265	8923	6197	
3	16938	9826	3077	
4	46062	29517	13962	
...	...	...	...	
635	8773	5711	4475	
636	29456	15930	18998	
637	6325	3668	1300	
638	12707	10042	5133	
639	42150	29910	22388	

	Age_Group_0_29	Age_Group_30_49	Age_Group_50
0	600759	178435	89679
1	503223	160933	88978
2	70703	41515	21019
3	87532	35561	17488
4	304979	109818	61334
...	...	...	...
635	19760	12543	9428
636	102333	60089	37434
637	18786	12088	5922
638	57350	30741	17464
639	128402	76332	33128

[640 rows x 25 columns]

india.set\_index('District\_code')

\ District_code	State_name	District_name				
1	JAMMU AND KASHMIR	Kupwara				
2	JAMMU AND KASHMIR	Badgam				
3	JAMMU AND KASHMIR	Leh(Ladakh)				
4	JAMMU AND KASHMIR	Kargil				
5	JAMMU AND KASHMIR	Punch				
...	...	...				
636	PONDICHERRY	Mahe				
637	PONDICHERRY	Karaikal				
638	ANDAMAN AND NICOBAR ISLANDS	Nicobars				
639	ANDAMAN AND NICOBAR ISLANDS	North	AND	Middle	Andaman	
640	ANDAMAN AND NICOBAR ISLANDS	South Andaman				
Male_Workers \ District_code	Population	Male	Female	Literate	Workers	
1	870354	474190	396164	439654	229064	
190899						
2	753745	398041	355704	335649	214866	
162578						
3	133487	78971	54516	93770	75079	
53265						
4	140802	77785	63017	86236	51873	
39839						
5	476835	251899	224936	261724	161393	
117677						
...	...	...	...	...	...	
...						
636	41816	19143	22673	36470	11802	
9093						
637	200222	97809	102413	154916	68301	
53139						
638	36842	20727	16115	25332	17125	
12714						
639	105597	54861	50736	78683	38579	
30612						

640	238142	127283	110859	190266	96831
77563					
	Female_Workers	Cultivator_Workers	...	Christians	
Sikhs \					
District_code			...		
1	38165	34680	...	1700	
5600					
2	52288	55299	...	1489	
5559					
3	21814	20869	...	658	
1092					
4	12034	8266	...	604	
1171					
5	43716	54264	...	958	
11188					
...	...	...	...	...	
...					
636	2709	43	...	958	
3					
637	15162	2372	...	18391	
46					
638	4411	322	...	26077	
343					
639	7967	10727	...	21870	
77					
640	19268	5518	...	33037	
866					
	Buddhists	Jains	Secondary_Education	Higher_Education	
\					
District_code					
1	66	39	74948	39709	
2	47	6	66459	41367	
3	88635	103	16265	8923	
4	20126	28	16938	9826	
5	83	10	46062	29517	
...	...	...	...	...	
636	21	14	8773	5711	
637	63	54	29456	15930	
638	119	0	6325	3668	

639	84	4	12707	10042
640	135	27	42150	29910

District_code	Graduate_Education	Age_Group_0_29	Age_Group_30_49	\
1	21751	600759	178435	
2	27950	503223	160933	
3	6197	70703	41515	
4	3077	87532	35561	
5	13962	304979	109818	
...	...	...	...	
636	4475	19760	12543	
637	18998	102333	60089	
638	1300	18786	12088	
639	5133	57350	30741	
640	22388	128402	76332	

District_code	Age_Group_50
1	89679
2	88978
3	21019
4	17488
5	61334
...	...
636	9428
637	37434
638	5922
639	17464
640	33128

[640 rows x 24 columns]

Q7-> Add a suffix to col name.

```
ind=india.add_suffix('_right')
```

```
ind
```

	District_code_right	State_name_right	\
0	1	JAMMU AND KASHMIR	
1	2	JAMMU AND KASHMIR	
2	3	JAMMU AND KASHMIR	
3	4	JAMMU AND KASHMIR	
4	5	JAMMU AND KASHMIR	
...	...	...	
635	636	PONDICHERRY	

636	637	PONDICHERRY
637	638	ANDAMAN AND NICOBAR ISLANDS
638	639	ANDAMAN AND NICOBAR ISLANDS
639	640	ANDAMAN AND NICOBAR ISLANDS

	District_name_right	Population_right	Male_right	Female_right \
0	Kupwara	870354	474190	396164
1	Badgam	753745	398041	355704
2	Leh(Ladakh)	133487	78971	54516
3	Kargil	140802	77785	63017
4	Punch	476835	251899	224936
..	...	...	...	...
635	Mahe	41816	19143	22673
636	Karaikal	200222	97809	102413
637	Nicobars	36842	20727	16115
638	North AND Middle Andaman	105597	54861	50736
639	South Andaman	238142	127283	110859

	Literate_right	Workers_right	Male_Workers_right	Female_Workers_right \
0	439654	229064	190899	38165
1	335649	214866	162578	52288
2	93770	75079	53265	21814
3	86236	51873	39839	12034
4	261724	161393	117677	43716
..	...	...	...	...
635	36470	11802	9093	2709
636	154916	68301	53139	15162
637	25332	17125	12714	

4411			
638	78683	38579	30612
7967			
639	190266	96831	77563
19268			

	...	Christians_right	Sikhs_right	Buddhists_right	Jains_right
\					
0	...	1700	5600	66	39
1	...	1489	5559	47	6
2	...	658	1092	88635	103
3	...	604	1171	20126	28
4	...	958	11188	83	10
..	...	...	...	...	...
635	...	958	3	21	14
636	...	18391	46	63	54
637	...	26077	343	119	0
638	...	21870	77	84	4
639	...	33037	866	135	27

	Secondary_Education_right	Higher_Education_right	\
0	74948	39709	
1	66459	41367	
2	16265	8923	
3	16938	9826	
4	46062	29517	
..	...	...	
635	8773	5711	
636	29456	15930	
637	6325	3668	
638	12707	10042	
639	42150	29910	

	Graduate_Education_right	Age_Group_0_29_right
Age_Group_30_49_right \		
0	21751	600759
178435		
1	27950	503223
160933		
2	6197	70703



41515		
3	3077	87532
35561		
4	13962	304979
109818		
..	...	...
...		
635	4475	19760
12543		
636	18998	102333
60089		
637	1300	18786
12088		
638	5133	57350
30741		
639	22388	128402
76332		

Age_Group_50_right	
0	89679
1	88978
2	21019
3	17488
4	61334
..	...
635	9428
636	37434
637	5922
638	17464
639	33128

[640 rows x 25 columns]

```
ind1=india.add_prefix('left_')
```

```
ind1
```

left_District_code		left_State_name \
0	1	JAMMU AND KASHMIR
1	2	JAMMU AND KASHMIR
2	3	JAMMU AND KASHMIR
3	4	JAMMU AND KASHMIR
4	5	JAMMU AND KASHMIR
..	...	...
635	636	PONDICHERRY
636	637	PONDICHERRY
637	638	ANDAMAN AND NICOBAR ISLANDS
638	639	ANDAMAN AND NICOBAR ISLANDS
639	640	ANDAMAN AND NICOBAR ISLANDS

left_Female	left_District_name	left_Population	left_Male
0	Kupwara	870354	474190
396164			
1	Badgam	753745	398041
355704			
2	Leh(Ladakh)	133487	78971
54516			
3	Kargil	140802	77785
63017			
4	Punch	476835	251899
224936			
..	...	...	...
.			
635	Mahe	41816	19143
22673			
636	Karaikal	200222	97809
102413			
637	Nicobars	36842	20727
16115			
638 North	AND Middle Andaman	105597	54861
50736			
639	South Andaman	238142	127283
110859			
left_Female	left_Literate	left_Workers	left_Male_Workers
0	439654	229064	190899
38165	...		
1	335649	214866	162578
52288	...		
2	93770	75079	53265
21814	...		
3	86236	51873	39839
12034	...		
4	261724	161393	117677
43716	...		
..	...	...	...
..	...		
635	36470	11802	9093
2709	...		
636	154916	68301	53139
15162	...		
637	25332	17125	12714
4411	...		
638	78683	38579	30612
7967	...		
639	190266	96831	77563
19268	...		

	left_Christians	left_Sikhs	left_Buddhists	left_Jains	\
0	1700	5600	66	39	
1	1489	5559	47	6	
2	658	1092	88635	103	
3	604	1171	20126	28	
4	958	11188	83	10	
..	...	...	...	...	
635	958	3	21	14	
636	18391	46	63	54	
637	26077	343	119	0	
638	21870	77	84	4	
639	33037	866	135	27	

	left_Secondary_Education	left_Higher_Education
left_Graduate_Education \		
0	74948	39709
21751		
1	66459	41367
27950		
2	16265	8923
6197		
3	16938	9826
3077		
4	46062	29517
13962		
..	...	...
...		
635	8773	5711
4475		
636	29456	15930
18998		
637	6325	3668
1300		
638	12707	10042
5133		
639	42150	29910
22388		

	left_Age_Group_0_29	left_Age_Group_30_49	left_Age_Group_50
0	600759	178435	89679
1	503223	160933	88978
2	70703	41515	21019
3	87532	35561	17488
4	304979	109818	61334
..	...	...	...
635	19760	12543	9428
636	102333	60089	37434
637	18786	12088	5922
638	57350	30741	17464

639	128402	76332	33128
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[640 rows x 25 columns]