

SUBMITTED TO

Mrs. SAYANTANI ROY CHOUDHURY

SUBMITTED BY

SIDDHARTH TIWARI (31) SHIVAM (28) ABHISHEK LAL (39)

INDEX

- 1. Introduction and justification
- 2. Data source and data description
- 3. Exploratory Data analysis
- 4. Bivariate analysis
- 5. Hypothesis Testing
- 6. Conclusion

INTRODUCTION

Like many developing countries, India has experienced a rapid demographic transition during the second half of the twentieth century. The total fertility rate (TFR) declined steadily from a high of six during the 1970s to almost replacement level, with a TFR of 2.2 by 2015 (IIPS and ICF 2017). There has also been a significant improvement in the life expectancy at birth from 50 years between 1970 and 1975 to 68 years between 2011 and 2015 (Census of India 2017). As a result, India has a young population, with almost 60 per cent in the 15–59 age group and a median age of about 24 years at the 2011 census. Furthermore, India is the seventh largest country in terms of geographical area and the second most populous country in the world, with a population of 1.2 billion at the 2011 census. At the same time, India shows considerable demographic diversity between regions and states, and diverse patterns of demographic and socioeconomic change.

Despite progress through the demographic transition, the level of urbanization remains relatively low at 31.1 per cent. This is the product of a restrictive definition of what constitutes an urban area (Bhagat 2005; Census of India 2011) allied with a low contribution of net rural-to-urban migration to urban growth (Bhagat and Mohanty 2009), which suggests a limited role of migration in redistributing the population from rural to urban areas within the country. Thus, in situ urbanization, or the reclassification of rural settlements as urban (Zhu 2000) is thought to have had a greater impact on urbanization than net rural-to-urban migration. India has a long history of internal population movement. In post-independence India, the partition of the country in 1947 led to the forced displacement of about 14 million people between India and Pakistan, about seven million from each side of the border (Visaria 1969). Subsequently, the rapid growth of industries and trade in port cities, namely Calcutta (Kolkata), Bombay

(Mumbai) and Madras (Chennai), led to a second wave of internal migration. These three newly emerged centers, along with Delhi, reshaped regional economies and triggered large inter-regional migration flows within India. Small and medium-sized industries flourished in these cities, which became dependent on unskilled laborers coming from the surrounding countryside. For example, during the second half of the twentieth century the majority of workers in the Calcutta jute industry came from the less developed states of Bihar, Uttar Pradesh, Odisha and Andhra Pradesh. In Mumbai, where a large number of cotton textile industries were established, migrants initially came from adjoining districts within the state of Maharashtra (Bhagat and Jones 2014), reinforcing regional disparities in development (Raza and Habeeb 1976). Regional disparities have continued to widen and remain an important driver of inter-state migration, particularly to the cities of Mumbai, Kolkata, Chennai and Delhi. While there is a tradition of scholarship in India into population mobility dating back to the 1970s, the unique contribution of this project is its adoption of a highly structured approach using new measures and analytical techniques. This chapter adopts a robust analytical framework based around several discrete dimensions of migration to provide a detailed account of current internal migration processes in India. After reviewing the types of migration data and the administrative geography used to collect and disseminate migration data in India. The project concludes by examining the impacts and implications of current and prospective migration trends.

Data Source and Data Description

The census is the principal source of internal migration data in India and is complemented by regular surveys conducted by the National Sample Survey Office (NSSO). This study is based 2011 census data for migration within state and across states in India during last ten years. The migration data is estimated using current and last place of residence. The last place of residence for migration data has its own limitations. The duration of migrant has no significance in considering migrant if it is within last ten year. The person migrating nine years back and nine days back gets same treatment.

In the following project we will conduct an analysis on the basis of gender and literacy from the data for inter-state rural to urban migration of the following states-

WESTBENGAL

Area Name	Moved from Last area	Age -group		on with 'Work/Employ		III	iterate			Literate	
			as	s reason for migration							
		-	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
State - WEST BENGAL	(i) From rural area within the State	All ages	220.864	176,323	44.541	46,614	31,147	15,467	174.250	145,176	29,07
	(i) From rural area within the State	0-4	0	0	0	0	01,147	0	0	0	20,07
	(i) From rural area within the State	5-9	0	0	0	0	0	0	0	0	
	(i) From rural area within the State	10-14	1,953	960	993	613	259	354	1,340	701	639
State - WEST BENGAL	(i) From rural area within the State	15-19	9,836	5,541	4,295	2,331	1,170	1,161	7,505	4,371	3,13
State - WEST BENGAL	(i) From rural area within the State	20-24	23,338	15,189	8,149	4,850	2,711	2,139	18,488	12,478	6,010
State - WEST BENGAL	(i) From rural area within the State	25-29	34,233	26,314	7,919	7,074	4,816	2,258	27,159	21,498	5,66
State - WEST BENGAL	(i) From rural area within the State	30-34	34,276	28,488	5,788	6,547	4,687	1,860	27,729	23,801	3,928
State - WEST BENGAL	(i) From rural area within the State	35-39	34,449	29,268	5,181	6,788	4,844	1,944	27,661	24,424	3,23
	(i) From rural area within the State	40-44	27,513	23,482	4,031	5,681	3,983	1,698	21,832	19,499	2,333
	(i) From rural area within the State	45-49	20,490	17,450	3,040	4,516	3,125	1,391	15,974	14,325	1,649
	(i) From rural area within the State	50-54	14,074	12,022	2,052	3,170	2,186	984	10,904	9,836	1,068
	(i) From rural area within the State	55-59	9,196	7,910	1,286	1,878	1,274	604	7,318	6,636	682
	(i) From rural area within the State (i) From rural area within the State	60-64 65-69	5,379 2,828	4,591 2,445	788 383	1,439 740	980 501	459 239	3,940 2,088	3,611 1,944	329
	(i) From rural area within the State	70-74	1,454	1,211	243	457	292	165	997	919	144 78
	(i) From rural area within the State	75-79	561	467	94	175	123	52	386	344	42
	(i) From rural area within the State	80+	978	753	225	289	166	123	689	587	102
	(i) From rural area within the State	Age not stated	306	232	74	66	30	36	240	202	38
	(ii) From urban area within the State	All ages	128,744	107,498	21,246	13,030	9,493	3,537	115,714	98,005	17,709
	(ii) From urban area within the State	0-4	0	0	0	0	0	0	0	0	C
	(ii) From urban area within the State	5-9	0	0	0	0	0	0	0	0	C
	(ii) From urban area within the State	10-14	598	323	275	126	54	72	472	269	203
State - WEST BENGAL	(ii) From urban area within the State	15-19	3,043	1,908	1,135	493	257	236	2,550	1,651	899
State - WEST BENGAL	(ii) From urban area within the State	20-24	8,088	5,938	2,150	974	660	314	7,114	5,278	1,836
State - WEST BENGAL	(ii) From urban area within the State	25-29	16,404	12,949	3,455	1,814	1,420	394	14,590	11,529	3,061
	(ii) From urban area within the State	30-34	19,758	16,424	3,334	1,753	1,373	380	18,005	15,051	2,954
	(ii) From urban area within the State	35-39	20,827	17,829	2,998	1,956	1,469	487	18,871	16,360	2,511
	(ii) From urban area within the State	40-44	17,647	15,262	2,385	1,723	1,290	433	15,924	13,972	1,952
	(ii) From urban area within the State	45-49	14,231	12,446	1,785	1,404	1,022	382	12,827	11,424	1,403
	(ii) From urban area within the State (ii) From urban area within the State	50-54 55-59	10,707 7,613	9,250 6.628	1,457 985	1,094 585	797 405	297 180	9,613 7.028	8,453 6,223	1,160
	(ii) From urban area within the State	60-64	4,489	3,911	578	504	345	159	3,985	3,566	805
	(ii) From urban area within the State	65-69	2,594	2,285	309	266	178	88	2,328	2,107	221
	(ii) From urban area within the State	70-74	1,216	1,058	158	148	103	45	1,068	955	113
	(ii) From urban area within the State	75-79	558	479	79	71	46	25	487	433	54
	(ii) From urban area within the State	80+	773	643	130	96	55	41	677	588	89
State - WEST BENGAL	(ii) From urban area within the State	Age not stated	198	165	33	23	19	4	175	146	29
State - WEST BENGAL	(iii) From rural area outside the State	All ages	95,590	83,257	12,333	33,695	25,031	8,664	61,895	58,226	3,669
State - WEST BENGAL	(iii) From rural area outside the State	0-4	0	0	0	0	0	0	0	0	C
State - WEST BENGAL	(iii) From rural area outside the State	5-9	0	0	0	0	0	0	0	0	0
State - WEST BENGAL	(iii) From rural area outside the State	10-14	1,379	858	521	929	501	428	450	357	93
	(iii) From rural area outside the State	15-19	6,385	4,829	1,556	2,900	1,730	1,170	3,485	3,099	386
	(iii) From rural area outside the State	20-24	13,424	11,054	2,370	4,566	2,927	1,639	8,858	8,127	731
	(iii) From rural area outside the State	25-29	17,471	15,199	2,272	5,182	3,703	1,479	12,289	11,496	793
	(iii) From rural area outside the State	30-34	15,317	13,591	1,726	4,571	3,395	1,176	10,746	10,196	550
	(iii) From rural area outside the State	35-39	12,893	11,591	1,302	4,533	3,579	954	8,360	8,012	348
	(iii) From rural area outside the State (iii) From rural area outside the State	40-44 45-49	9,589 7,123	8,683 6,487	906 636	3,775 2,878	3,134 2,411	641 467	5,814 4,245	5,549 4,076	265 169
	(iii) From rural area outside the State	50-54	4,884	4,460	424	1,909	1,611	298	2,975	2,849	126
	(iii) From rural area outside the State	55-59	3,005	2,732	273	979	807	172	2,026	1,925	101
	(iii) From rural area outside the State	60-64	1,960	1,793	167	743	626	117	1,217	1,167	50
	(iii) From rural area outside the State	65-69	936	863	73	303	253	50	633	610	23
State - WEST BENGAL	(iii) From rural area outside the State	70-74	497	455	42	178	149	29	319	306	13
State - WEST BENGAL	(iii) From rural area outside the State	75-79	212	199	13	76	66	10	136	133	3
State - WEST BENGAL	(iii) From rural area outside the State	80+	397	355	42	147	119	28	250	236	14
State - WEST BENGAL	(iii) From rural area outside the State	Age not stated	118	108	10	26	20	6	92	88	4
State - WEST BENGAL	(iv) From urban area outside the State	All ages	39,512	35,039	4,473	4,052	3,341	711	35,460	31,698	3,762
	(iv) From urban area outside the State	0-4	0	0	0	0	0	0	0	0	С
	(iv) From urban area outside the State	5-9	0	0	0	0	0	0	0	0	0
	(iv) From urban area outside the State	10-14	180	122	58	41	24	17	139	98	41
	(iv) From urban area outside the State	15-19	1,239	1,048	191	236	183	53	1,003	865	138
	(iv) From urban area outside the State (iv) From urban area outside the State	20-24 25-29	3,571 6,213	2,977 5,301	594 912	459 603	345 506	114 97	3,112 5,610	2,632 4,795	480 815
	(iv) From urban area outside the State	30-34	6,213	6,125	752	619	506	97	6,258	5,598	660
	(iv) From urban area outside the State	35-39	6,008	5,434	574	556	458	98	5,452	4,976	476
	(iv) From urban area outside the State	40-44	4,729	4,297	432	464	396	68	4,265	3,901	364
	(iv) From urban area outside the State	45-49	3,550	3,228	322	363	309	54	3,187	2,919	268
	(iv) From urban area outside the State	50-54	2,678	2,445	233	260	222	38	2,418	2,223	195
	(iv) From urban area outside the State	55-59	2,006	1,837	169	181	155	26	1,825	1,682	143
	(iv) From urban area outside the State	60-64	1,103	1,000	103	123	99	24	980	901	79
	(iv) From urban area outside the State	65-69	612	554	58	55	41	14	557	513	44
	(iv) From urban area outside the State	70-74	299	275	24	37	32	5	262	243	19
	(iv) From urban area outside the State	75-79	154	144	10	15	13	2	139	131	8
	(iv) From urban area outside the State	80+	219	193	26	29	22	7	190	171	19
	(iv) From urban area outside the State		74	59	15	11	9	2	63	50	13

UTTAR PRADESH

Area	a Name	Moved from Last area	Age -group		n with 'Work/Er reason for migr			Illiterate			Literate	
					Ĭ							
				Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
		(i) From rural area within the State	All ages	610,895	504,144	106,751	160,210	106,865	53,345	450,685	397,279	53,406
		(i) From rural area within the State (i) From rural area within the State	0-4 5-9	0	0	0	0	0	0	0	0	C
		(i) From rural area within the State	10-14	4,451	2,710	1,741	1,954	1,101	853	2,497	1,609	888
		(i) From rural area within the State	15-19	22,679	14,489	8,190	7,708	4,132	3,576	14,971	10,357	4,614
		(i) From rural area within the State	20-24	70,565	44,348	26,217	19,559	8,711	10,848	51,006	35,637	15,369
State - UTT/	AR PRADESH	(i) From rural area within the State	25-29	93,908	71,224	22,684	24,758	14,136	10,622	69,150	57,088	12,062
		(i) From rural area within the State	30-34	90,935	79,123	11,812	21,063	15,094	5,969	69,872	64,029	5,843
		(i) From rural area within the State	35-39	93,136	83,273	9,863	21,676	16,353	5,323	71,460	66,920	4,540
		(i) From rural area within the State	40-44	72,483	65,242	7,241	17,730	13,630	4,100	54,753	51,612	3,141
		(i) From rural area within the State (i) From rural area within the State	45-49 50-54	54,401 38,607	48,732 34,683	5,669 3,924	13,254 9,638	9,943 7,325	3,311 2,313	41,147 28,969	38,789 27,358	2,358
		(i) From rural area within the State	55-59	25,000	22,085	2,915	6,519	4,619	1,900	18,481	17,466	1,015
		(i) From rural area within the State	60-64	18,822	16,424	2,398	6,935	5,152	1,783	11,887	11,272	615
		(i) From rural area within the State	65-69	9,566	8,290	1,276	3,585	2,610	975	5,981	5,680	301
State - UTT/	AR PRADESH	(i) From rural area within the State	70-74	5,478	4,644	834	2,391	1,767	624	3,087	2,877	210
State - UTT/	AR PRADESH	(i) From rural area within the State	75-79	1,959	1,634	325	789	535	254	1,170	1,099	71
State - UTT/	AR PRADESH	(i) From rural area within the State	80+	3,699	2,973	726	1,422	954	468	2,277	2,019	258
		(i) From rural area within the State	Age not stated	5,206	4,270	936	1,229	803	426	3,977	3,467	510
		(ii) From urban area within the State	All ages	302,178	260,958	41,220	46,667	35,393	11,274	255,511	225,565	29,946
		(ii) From urban area within the State	0-4 5-9	0	0	0	0	0	0	0	0	0
		(ii) From urban area within the State (ii) From urban area within the State	5-9 10-14	1,236	834	402	340	0 212	128	0 896	622	274
		(ii) From urban area within the State	15-14	6,270	4,607	1,663	1,782	1,257	525	4,488	3,350	1,138
		(ii) From urban area within the State	20-24	20,789	15,351	5,438	4,070	2,636	1,434	16,719	12,715	4,004
State - UTT/	AR PRADESH	(ii) From urban area within the State	25-29	38,600	31,332	7,268	6,116	4,514	1,602	32,484	26,818	5,666
State - UTT/	AR PRADESH	(ii) From urban area within the State	30-34	46,280	40,305	5,975	6,300	5,056	1,244	39,980	35,249	4,731
State - UTT/	AR PRADESH	(ii) From urban area within the State	35-39	48,248	42,933	5,315	6,917	5,567	1,350	41,331	37,366	3,965
State - UTT/	AR PRADESH	(ii) From urban area within the State	40-44	40,174	36,032	4,142	5,893	4,712	1,181	34,281	31,320	2,961
		(ii) From urban area within the State	45-49	32,416	29,138	3,278	4,536	3,547	989	27,880	25,591	2,289
		(ii) From urban area within the State	50-54	24,962	22,442	2,520	3,322	2,539	783	21,640	19,903	1,737
		(ii) From urban area within the State	55-59	17,352	15,557	1,795	2,178	1,605	573	15,174	13,952	1,222
		(ii) From urban area within the State (ii) From urban area within the State	60-64 65-69	11,090 5,532	9,708 4,893	1,382	2,275 1,081	1,643 785	632 296	8,815 4,451	8,065 4,108	750 343
		(ii) From urban area within the State	70-74	2,933	2,513	420	707	492	296	2,226	2,021	205
		(ii) From urban area within the State	75-79	1,151	1,002	149	244	167	77	907	835	72
		(ii) From urban area within the State	80+	1,883	1,572	311	432	312	120	1,451	1,260	191
State - UTT/	AR PRADESH	(ii) From urban area within the State	Age not stated	3,262	2,739	523	474	349	125	2,788	2,390	398
State - UTT/	AR PRADESH	(iii) From rural area outside the State	All ages	138,770	107,740	31,030	55,598	33,703	21,895	83,172	74,037	9,135
State - UTT/	AR PRADESH	(iii) From rural area outside the State	0-4	0	0	0	0	0	0	0	0	0
		(iii) From rural area outside the State	5-9	0	0	0	0	0	0	0	0	0
		(iii) From rural area outside the State	10-14	2,218	1,287	931	1,529	804	725	689	483	206
		(iii) From rural area outside the State	15-19	8,306	5,687	2,619	4,110	2,359	1,751	4,196	3,328	868
		(iii) From rural area outside the State (iii) From rural area outside the State	20-24 25-29	20,206 25,825	14,164 19,710	6,042 6,115	8,205 9,628	4,278 5,532	3,927 4,096	12,001 16,197	9,886 14,178	2,115 2,019
		(iii) From rural area outside the State	30-34	23,432	18,683	4,749	8,544	5,101	3,443	14,888	13,582	1,306
		(iii) From rural area outside the State	35-39	19,495	15,852	3,643	7,471	4,684	2,787	12,024	11,168	856
State - UTT/	AR PRADESH	(iii) From rural area outside the State	40-44	13,525	11,124	2,401	5,515	3,715	1,800	8,010	7,409	601
State - UTT/	AR PRADESH	(iii) From rural area outside the State	45-49	9,226	7,518	1,708	3,757	2,449	1,308	5,469	5,069	400
State - UTT/	AR PRADESH	(iii) From rural area outside the State	50-54	5,920	5,004	916	2,525	1,816	709	3,395	3,188	207
		(iii) From rural area outside the State	55-59	3,570	2,930	640	1,388	910	478	2,182	2,020	162
		(iii) From rural area outside the State	60-64	2,612	2,179	433	1,181	863	318	1,431	1,316	115
		(iii) From rural area outside the State	65-69 70-74	1,327 721	1,116 585	136	573 343	413 242	160	754 378	703 343	51 35
		(iii) From rural area outside the State (iii) From rural area outside the State	70-74	295	241	136	125	93	32	170	148	22
		(iii) From rural area outside the State	80+	674	515	159	292	188	104	382	327	55
		(iii) From rural area outside the State	Age not stated	1,418	1,145	273	412	256	156	1,006	889	117
State - UTT/	AR PRADESH	(iv) From urban area outside the State	All ages	118,845	100,679	18,166	12,290	8,946	3,344	106,555	91,733	14,822
State - UTT/	AR PRADESH	(iv) From urban area outside the State	0-4	0	0	0	0	0	0	0	0	0
State - UTT/	AR PRADESH	(iv) From urban area outside the State	5-9	0	0	0	0	0	0	0	0	0
		(iv) From urban area outside the State	10-14	441	303	138	106	70	36	335	233	102
		(iv) From urban area outside the State	15-19	2,373	1,736	637	589	367	222	1,784	1,369	415
		(iv) From urban area outside the State	20-24	8,254	6,216	2,038	1,254	823	431	7,000	5,393	1,607
		(iv) From urban area outside the State	25-29 30-34	17,262 21,935	13,621 18,655	3,641 3,280	1,808 1,820	1,261 1,337	547 483	15,454 20,115	12,360 17,318	3,094 2,797
		(iv) From urban area outside the State (iv) From urban area outside the State	35-39	20,407	17,915	2,492	1,820	1,337	483	18,610	16,556	2,797
		(iv) From urban area outside the State	40-44	15,051	13,332	1,719	1,438	1,100	338	13,613	12,232	1,381
		(iv) From urban area outside the State	45-49	10,772	9,514	1,258	1,125	873	252	9,647	8,641	1,006
		(iv) From urban area outside the State	50-54	7,486	6,608	878	765	603	162	6,721	6,005	716
		(iv) From urban area outside the State	55-59	5,350	4,640	710	464	340	124	4,886	4,300	586
State - UTT/	AR PRADESH	(iv) From urban area outside the State	60-64	3,849	3,310	539	463	334	129	3,386	2,976	410
State - UTT/	AR PRADESH	(iv) From urban area outside the State	65-69	2,002	1,771	231	213	162	51	1,789	1,609	180
State - UTT/	AR PRADESH	(iv) From urban area outside the State	70-74	1,000	856	144	152	106	46	848	750	98
State - UTT/	AR PRADESH	(iv) From urban area outside the State	75-79	449	378	71	52	37	15	397	341	56
		(iv) From urban area outside the State	80+	687	562	125	106	75	31	581	487	94

MAHARASHTRA

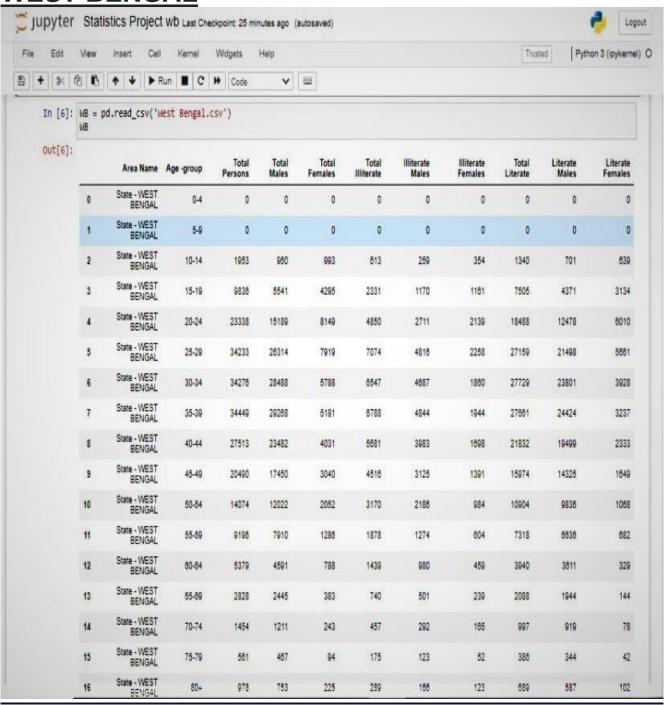
Area Name	Moved from Last area	Age -group		n with 'Work/Employm	ent'	II .	literate			Literate	
			as	reason for migration							
		-									
			Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
	(i) From rural area within the State	All ages	1,370,782	1,094,777	276,005	243,463	138,184	105,279	1,127,319	956,593	
	(i) From rural area within the State	0-4	0	0	0	0	0	0	0	0	
State - MAHARASHTRA	(i) From rural area within the State	5-9	0	0	0	0	0	0	0	0	
State - MAHARASHTRA	(i) From rural area within the State	10-14	10,014	5,533	4,481	2,631	1,217	1,414	7,383	4,316	3,06
State - MAHARASHTRA	(i) From rural area within the State	15-19	54,782	35,584	19,198	9,438	4,404	5,034	45,344	31,180	14,16
State - MAHARASHTRA	(i) From rural area within the State	20-24	184,270	134,518	49,752	23,121	10,697	12,424	161,149	123,821	37,32
State - MAHARASHTRA	(i) From rural area within the State	25-29	275,018	221,308	53,710	33,846	18,657	15,189	241,172	202,651	38,52
State - MAHARASHTRA	(i) From rural area within the State	30-34	247,452	207,514	39,938	34,400	20,197	14,203	213,052	187,317	25,73
State - MAHARASHTRA	(i) From rural area within the State	35-39	196,520	163,710	32,810	33,689	19,531	14,158	162,831	144,179	18,65
State - MAHARASHTRA	(i) From rural area within the State	40-44	140,543	116,431	24,112	29,696	17,679	12,017	110,847	98,752	12,09
	(i) From rural area within the State	45-49	93,031	75,891	17,140	22,991	13,599	9,392	70,040	62,292	7,74
	(i) From rural area within the State	50-54	63,330	51,698	11,632	17,445	10,714	6,731	45,885	40,984	4,90
	(i) From rural area within the State	55-59	39,365	31,733	7,632	10,944	6,389	4,555	28,421	25,344	3,07
	(i) From rural area within the State	60-64	26,923	20,770	6,153	10,233	6,041	4,192	16,690	14,729	1,96
	(i) From rural area within the State	65-69	16,817	12,864	3,953	6,881	4,150	2,731	9,936	8,714	1,22
	(i) From rural area within the State	70-74	8,570	6,563	2,007	3,851	2,430		4,719	4,133	58
							849	1,421			
	(i) From rural area within the State	75-79	3,356	2,593	763	1,378		529	1,978	1,744	23-
	(i) From rural area within the State	80+	5,136	3,859	1,277	1,686	968	718	3,450	2,891	559
	(i) From rural area within the State	Age not stated	5,655	4,208	1,447	1,233	662	571	4,422	3,546	87
	(ii) From urban area within the State	All ages	800,554	672,486	128,068	64,694	44,285	20,409	735,860	628,201	107,65
	(ii) From urban area within the State	0-4	0	0	0	0	0	0	0	0	
	(ii) From urban area within the State	5-9	0	0	0	0	0	0	0	0	
	(ii) From urban area within the State	10-14	3,250	1,964	1,286	409	223	186	2,841	1,741	1,10
	(ii) From urban area within the State	15-19	17,410	12,520	4,890	1,821	1,125	696	15,589	11,395	4,19
State - MAHARASHTRA	(ii) From urban area within the State	20-24	71,304	53,826	17,478	5,121	3,314	1,807	66,183	50,512	15,67
State - MAHARASHTRA	(ii) From urban area within the State	25-29	140,515	114,453	26,062	8,456	6,081	2,375	132,059	108,372	23,68
State - MAHARASHTRA	(ii) From urban area within the State	30-34	154,207	132,872	21,335	9,793	7,261	2,532	144,414	125,611	18,80
State - MAHARASHTRA	(ii) From urban area within the State	35-39	128,491	111,619	16,872	9,452	6,751	2,701	119,039	104,868	14,17
State - MAHARASHTRA	(ii) From urban area within the State	40-44	94,289	81,966	12,323	8,164	5,600	2,564	86,125	76,366	9,759
State - MAHARASHTRA	(ii) From urban area within the State	45-49	66,563	57,379	9,184	6,478	4,356	2,122	60,085	53,023	7,06
State - MAHARASHTRA	(ii) From urban area within the State	50-54	48,582	42,052	6,530	4,860	3,258	1,602	43,722	38,794	4,92
State - MAHARASHTRA	(ii) From urban area within the State	55-59	32,176	27,697	4,479	3,186	2,078	1,108	28,990	25,619	3,37
State - MAHARASHTRA	(ii) From urban area within the State	60-64	19,215	16,123	3,092	2,783	1.726	1,057	16,432	14,397	2.03
	(ii) From urban area within the State	65-69	10,565	8,832	1,733	1,762	1,075	687	8,803	7,757	1,046
	(ii) From urban area within the State	70-74	5,068	4,135	933	1,055	627	428	4,013	3,508	505
	(ii) From urban area within the State	75-79	2,376	1,907	469	422	251	171	1,954	1,656	298
	(ii) From urban area within the State	80+	3,242	2,559	683	541	308	233	2,701	2,251	450
	(ii) From urban area within the State	Age not stated	3,301	2,582	719	391	251	140	2,910	2,331	579
	(iii) From rural area outside the State	All ages	936,856	859,296	77,560	171,533	138,067	33,466	765,323	721,229	44,094
	(iii) From rural area outside the State	0-4	0	0	0	0	0	0	0	0	C
	(iii) From rural area outside the State	5-9	0	0	0	0	0	0	0	0	(
	(iii) From rural area outside the State	10-14	6,194	4,980	1,214	1,716	1,180	536	4,478	3,800	678
	(iii) From rural area outside the State	15-19	102,469	95,595	6,874	16,528	14,029	2,499	85,941	81,566	4,375
	(iii) From rural area outside the State	20-24	247,486	229,713	17,773	35,573	29,731	5,842	211,913	199,982	11,931
State - MAHARASHTRA	(iii) From rural area outside the State	25-29	218,389	200,839	17,550	34,372	27,954	6,418	184,017	172,885	11,132
State - MAHARASHTRA	(iii) From rural area outside the State	30-34	138,285	127,025	11,260	25,463	20,365	5,098	112,822	106,660	6,162
State - MAHARASHTRA	(iii) From rural area outside the State	35-39	90,204	82,157	8,047	20,252	15,931	4,321	69,952	66,226	3,726
State - MAHARASHTRA	(iii) From rural area outside the State	40-44	52,108	46,983	5,125	13,805	10,786	3,019	38,303	36,197	2,106
State - MAHARASHTRA	(iii) From rural area outside the State	45-49	31,259	27,871	3,388	8,833	6,802	2,031	22,426	21,069	1,357
State - MAHARASHTRA	(iii) From rural area outside the State	50-54	18,708	16,563	2,145	5,682	4,340	1,342	13,026	12,223	803
State - MAHARASHTRA	(iii) From rural area outside the State	55-59	10,475	9,158	1,317	2,970	2,230	740	7,505	6,928	577
State - MAHARASHTRA	(iii) From rural area outside the State	60-64	7,062	6,040	1,022	2,481	1,838	643	4,581	4,202	379
	(iii) From rural area outside the State	65-69	3,835	3,278	557	1,251	911	340	2,584	2,367	217
	(iii) From rural area outside the State	70-74	2,282	1,968	314	804	601	203	1,478	1,367	111
	(iii) From rural area outside the State	75-79	986	844	142	246	181	65	740	663	
	(iii) From rural area outside the State	80+	2,947	2,602	345	738	565	173	2,209	2,037	172
	(iii) From rural area outside the State	Age not stated	4,167	3,680	487	819	623	196	3,348	3,057	291
	(iv) From urban area outside the State	All ages	390,835	340,898	49,937	41,797	33,458	8,339	349,038	307,440	
	(iv) From urban area outside the State		390,835	340,898	49,937	41,797	33,458	0,339	349,038	307,440	41,596
	(iv) From urban area outside the State	0-4	0	0							
		5-9			0	0	0	0	1 222	1 020	
	(iv) From urban area outside the State	10-14	1,638	1,245	393	305	206	99	1,333	1,039	
	(iv) From urban area outside the State	15-19	22,557	20,466	2,091	3,394	2,868	526	19,163	17,598	
	(iv) From urban area outside the State	20-24	69,682	59,913	9,769	7,512	6,195	1,317	62,170	53,718	8,452
	(iv) From urban area outside the State	25-29	90,804	77,070	13,734	8,297	6,680	1,617	82,507	70,390	12,117
	(iv) From urban area outside the State	30-34	71,550	63,168	8,382	6,664	5,386	1,278	64,886	57,782	7,10
	(iv) From urban area outside the State	35-39	47,992	42,853	5,139	5,003	4,022	981	42,989	38,831	4,158
	(iv) From urban area outside the State	40-44	30,459	27,237	3,222	3,716	2,910	806	26,743	24,327	2,416
State - MAHARASHTRA	(iv) From urban area outside the State	45-49	20,126	17,760	2,366	2,388	1,856	532	17,738	15,904	1,83
State - MAHARASHTRA	(iv) From urban area outside the State	50-54	13,956	12,279	1,677	1,655	1,279	376	12,301	11,000	1,30
State - MAHARASHTRA	(iv) From urban area outside the State	55-59	8,883	7,786	1,097	935	700	235	7,948	7,086	86
State - MAHARASHTRA	(iv) From urban area outside the State	60-64	5,162	4,368	794	768	561	207	4,394	3,807	58
	(iv) From urban area outside the State	65-69	2,597	2,206	391	397	277	120	2,200	1,929	271
	(iv) From urban area outside the State	70-74	1,475	1,220	255	233	161	72	1,242	1,059	183
	(iv) From urban area outside the State	75-79	740	601	139	112	67	45	628	534	94
	(iv) From urban area outside the State	80+	1,385	1,179	206	221	156	65	1,164	1,023	141
	,, aroun aroa outside the State		1,505	1,179	200	221	150	33	1,632	1,023	1**

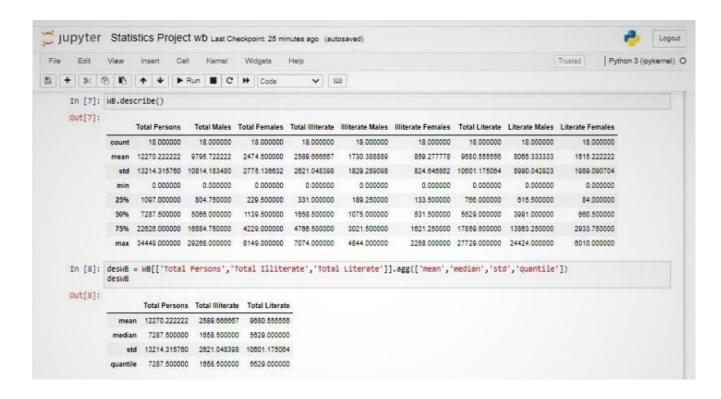
KERALA

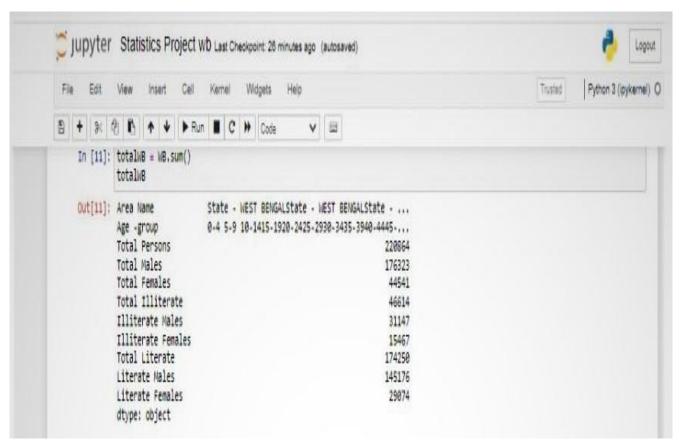
Area Name	Moved from Last area	Age -group		with 'Work/Employme	nt'		Illiterate			Literate	
			ds ie	sason or migration							
State - KERALA	(i) From rural area within the State	All ages	Persons 161,773	Males 117,811	Females 43,962	Persons 5,012	Males 2,978	Females 2,034	Persons 156,761	Males 114,833	Female 41,
	(i) From rural area within the State	0-4	0	0	0	0,012	0	0	0	0	
tate - KERALA	(i) From rural area within the State	5-9	0	0	0	0	0	0	0	0	
tate - KERALA	(i) From rural area within the State	10-14	530	269	261	12	7	5	518	262	
	(i) From rural area within the State	15-19	2,311	1,386	925	106	65	41	2,205	1,321	
	(i) From rural area within the State	20-24	7,511	4,691	2,820	251	165	86	7,260	4,526	2
	(i) From rural area within the State	25-29	14,684	9,556	5,128	342	230	112	14,342	9,326	
	(i) From rural area within the State	30-34	22,892	16,086	6,806	423	268	155	22,469	15,818	6
	(i) From rural area within the State	35-39	29,976	21,925	8,051	602	351	251	29,374	21,574	7
	(i) From rural area within the State	40-44	26,831	20,418	6,413	645	366	279	26,186	20,052	
	(i) From rural area within the State	45-49	21,249	16,311	4,938	715	416	299	20,534	15,895	
	(i) From rural area within the State (i) From rural area within the State	50-54 55-59	14,296 9,835	11,149 7,690	3,147 2,145	577 487	343 297	234 190	13,719 9.348	10,806 7.393	
	(i) From rural area within the State	60-64	5,596	4,195	1,401	312	183	129	5,284	4,012	
	(i) From rural area within the State	65-69	2,913	2,128	785	234	142	92	2,679	1,986	
	(i) From rural area within the State	70-74	1,593	1,045	548	158	76	82	1,435	969	
	(i) From rural area within the State	75-79	795	487	308	73	35	38	722	452	
	(i) From rural area within the State	80+	611	374	237	73	33	40	538	341	
	(i) From rural area within the State	Age not stated	150	101	49	2	1	1	148	100	
	(ii) From urban area within the State	All ages	67,688	49,763	17,925	1,418	932	486	66,270	48,831	1
	(ii) From urban area within the State	0-4	0	0	0	0	0	0	0	0	
	(ii) From urban area within the State	5-9	0	0	0	0	0	0	0	0	
	(ii) From urban area within the State	10-14	184	94	90	6	2	4	178	92	
state - KERALA	(ii) From urban area within the State	15-19	940	636	304	39	29	10	901	607	
tate - KERALA	(ii) From urban area within the State	20-24	3,640	2,583	1,057	111	93	18	3,529	2,490	
tate - KERALA	(ii) From urban area within the State	25-29	6,806	4,584	2,222	157	110	47	6,649	4,474	:
tate - KERALA	(ii) From urban area within the State	30-34	9,479	6,736	2,743	144	99	45	9,335	6,637	:
tate - KERALA	(ii) From urban area within the State	35-39	11,882	8,569	3,313	152	97	55	11,730	8,472	
state - KERALA	(ii) From urban area within the State	40-44	10,542	7,968	2,574	180	118	62	10,362	7,850	
	(ii) From urban area within the State	45-49	8,676	6,624	2,052	172	103	69	8,504	6,521	
	(ii) From urban area within the State	50-54	6,264	4,928	1,336	123	88	35	6,141	4,840	
	(ii) From urban area within the State	55-59	4,405	3,466	939	101	61	40	4,304	3,405	
	(ii) From urban area within the State	60-64	2,490	1,935	555	90	55	35	2,400	1,880	
	(ii) From urban area within the State	65-69	1,169	854	315	68	39	29	1,101	815	
	(ii) From urban area within the State	70-74	594	405	189	35	21	14	559	384	
	(ii) From urban area within the State	75-79	316	202	114	17	9	8	299	193	
	(ii) From urban area within the State	+08	236 65	138	98 24	23	8	15	213 65	130 41	
	(ii) From urban area within the State (iii) From rural area outside the State	Age not stated	60,948	52,358	8,590	12,332	9,104	3,228	48,616	43,254	
	(iii) From rural area outside the State	All ages 0-4	00,340	0	0,530	12,332	3,104	0,220	40,010	43,234	
	(iii) From rural area outside the State	5-9	0	0	0	0	0	0	0	0	
	(iii) From rural area outside the State	10-14	205	133	72	43	22	21	162	111	
	(iii) From rural area outside the State	15-19	5,622	4,891	731	848	679	169	4,774	4,212	
	(iii) From rural area outside the State	20-24	16,021	14,555	1,466	2,289	1,913	376	13,732	12,642	
	(iii) From rural area outside the State	25-29	11,736	10,271	1,465	1,996	1,559	437	9,740	8,712	
	(iii) From rural area outside the State	30-34	7,687	6,580	1,107	1,414	1,042	372	6,273	5,538	
tate - KERALA	(iii) From rural area outside the State	35-39	6,316	5,146	1,170	1,591	1,059	532	4,725	4,087	
tate - KERALA	(iii) From rural area outside the State	40-44	4,493	3,696	797	1,287	912	375	3,206	2,784	
tate - KERALA	(iii) From rural area outside the State	45-49	3,517	2,812	705	1,103	722	381	2,414	2,090	
tate - KERALA	(iii) From rural area outside the State	50-54	2,209	1,780	429	724	493	231	1,485	1,287	
tate - KERALA	(iii) From rural area outside the State	55-59	1,371	1,106	265	431	296	135	940	810	
tate - KERALA	(iii) From rural area outside the State	60-64	891	693	198	298	201	97	593	492	
tate - KERALA	(iii) From rural area outside the State	65-69	456	352	104	156	100	56	300	252	
tate - KERALA	(iii) From rural area outside the State	70-74	194	149	45	83	59	24	111	90	
	(iii) From rural area outside the State	75-79	79	62	17	33	22	11	46	40	
	(iii) From rural area outside the State	80+	77	66	11	21	15	6	56	51	
	(iii) From rural area outside the State	Age not stated	74	66	8	15	10	5	59	56	
	(iv) From urban area outside the State	All ages	35,409	29,796	5,613	3,229	2,446	783	32,180	27,350	
	(iv) From urban area outside the State	0-4	0	0	0	0	0	0	0	0	
	(iv) From urban area outside the State	5-9	0	0	0	0	0	0	0	0	
	(iv) From urban area outside the State	10-14	113	75	38	19	13	6	94	62	
	(iv) From urban area outside the State	15-19	1,916	1,636	280	268	199	69	1,648	1,437	
	(iv) From urban area outside the State	20-24	6,118	5,343	775	598	512	86	5,520	4,831	
	(iv) From urban area outside the State	25-29	5,898	4,918	980	485	399	86	5,413	4,519	
	(iv) From urban area outside the State (iv) From urban area outside the State	30-34 35-39	5,012 4,354	4,214 3,611	798 743	394 403	306 280	88 123	4,618 3,951	3,908	
	(iv) From urban area outside the State	40-44	3,424	2,875	743 549	336	280	102	3,951	2,641	
	(iv) From urban area outside the State	40-44	2,767	2,875	414	247	181	102	2,520	2,641	
	(iv) From urban area outside the State	45-49 50-54	1,922	1,581	341	180	181	62	1,742	1,463	
	(iv) From urban area outside the State	55-59	1,922	1,581	259	108	118	27	1,742	1,463	
	(iv) From urban area outside the State	60-64	1,169	937	232	93	55	38	1,424	882	
	(iv) From urban area outside the State	65-69	663	554	109	40	31	9	623	523	
	(iv) From urban area outside the State	70-74	282	225	57	31	20	11	251	205	
	(iv) From urban area outside the State	70-74	129	113	16	14	10	4	115	103	
	(iv) From urban area outside the State	75-79 80+	74	57	17					103 52	
iale - NERALA	(iv) From urban area outside the State		36	31	5	5	5	3	66 31	29	

EXPLORATORY AND BIVARIATE ANALYSIS

WEST BENGAL

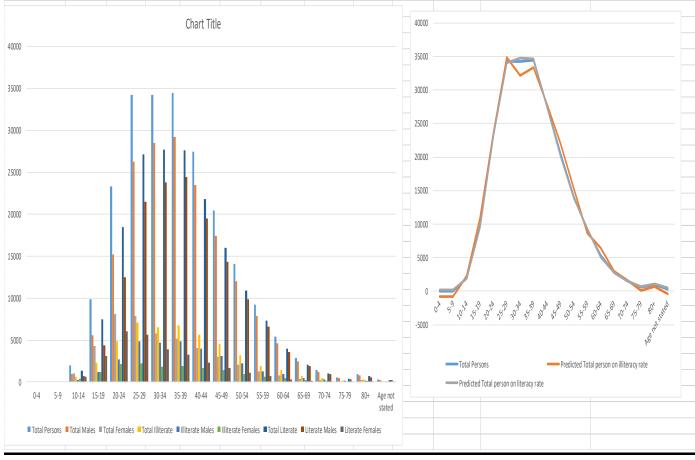






Census data and graph west Bengal

Area Name	Age -group	Total Persons	Total Males	Total Females	Total Illiterate	Illiterate Males	Illiterate Females	Total Literate	Literate Males	Literate Females	Predicted Total person on illiteracy rate	Predicted Total person on literacy rate
State - WEST BENGAL	0-4	0	0	0	0	0	0	0	0	0	-754.29	205.24
State - WEST BENGAL	5-9	0	0	0	0	0	0	0	0	0	-754.29	205.24
State - WEST BENGAL	10-14	1953	960	993	613	259	354	1340	701	639	2328.74	1875.29
State - WEST BENGAL	15-19	9836	5541	4295	2331	1170	1161	7505	4371	3134	10969.26	9558.80
State - WEST BENGAL	20-24	23338	15189	8149	4850	2711	2139	18488	12478	6010	23638.35	23247.03
State - WEST BENGAL	25-29	34233	26314	7919	7074	4816	2258	27159	21498	5661	34823.76	34053.80
State - WEST BENGAL	30-34	34276	28488	5788	6547	4687	1860	27729	23801	3928	32173.26	34764.19
State - WEST BENGAL	35-39	34449	29268	5181	6788	4844	1944	27661	24424	3237	33385.35	34679.45
State - WEST BENGAL	40-44	27513	23482	4031	5681	3983	1698	21832	19499	2333	27817.79	27414.70
State - WEST BENGAL	45-49	20490	17450	3040	4516	3125	1391	15974	14325	1649	21958.53	20113.81
State - WEST BENGAL	50-54	14074	12022	2052	3170	2186	984	10904	9836	1068	15188.94	13795.01
State - WEST BENGAL	55-59	9196	7910	1286	1878	1274	604	7318	6636	682	8690.94	9325.74
State - WEST BENGAL	60-64	5379	4591	788	1439	980	459	3940	3611	329	6483.03	5115.70
State - WEST BENGAL	65-69	2828	2445	383	740	501	239	2088	1944	144	2967.47	2807.53
State - WEST BENGAL	70-74	1454	1211	243	457	292	165	997	919	78	1544.15	1447.81
State - WEST BENGAL	75-79	561	467	94	175	123	52	386	344	42	125.86	686.31
State - WEST BENGAL	80+	978	753	225	289	166	123	689	587	102	699.21	1063.95
State - WEST BENGAL	Age not stated	306	232	74	66	30	36	240	202	38	-422.35	504.35



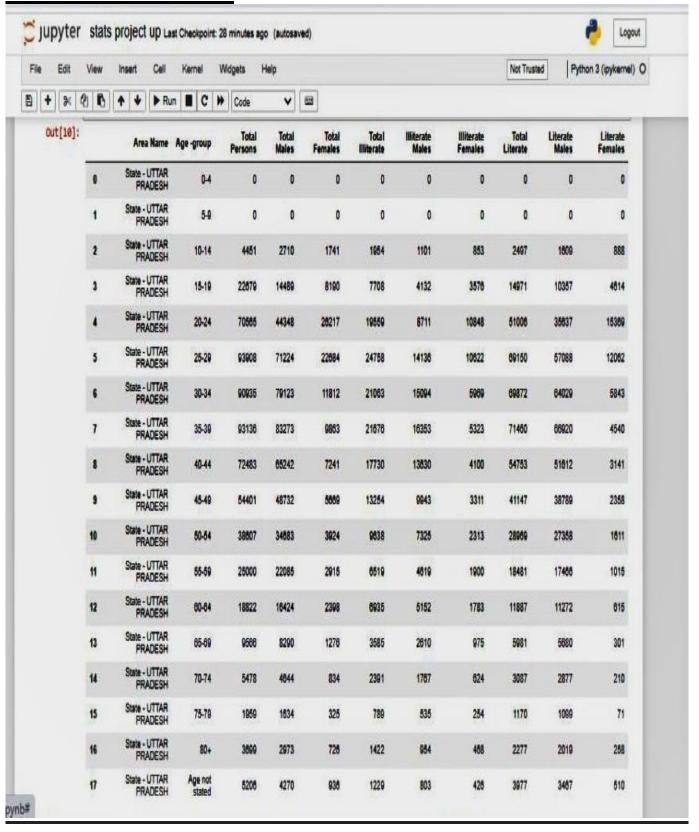
Summary output-illiteracy rate West Bengal

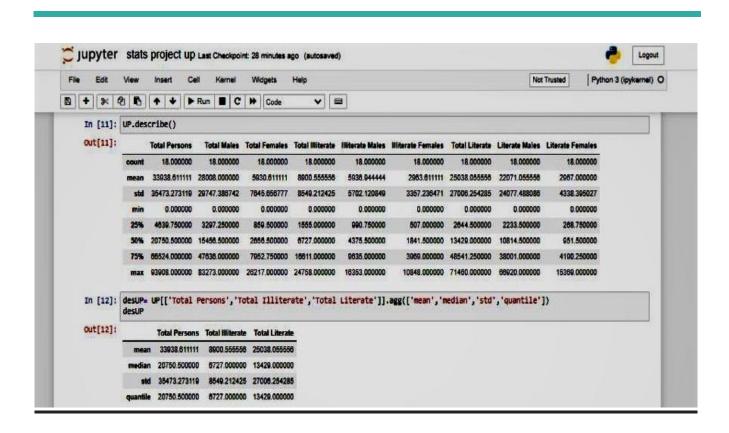
SUMMARY OUTPUT								
	Į į							
Regression St	tatistics							
Multiple R	0.997580517			Y = -754.289	99 + 5.02941X			
R Square	0.995166888							
Adjusted R Square	0.994864818							
Standard Error	946.9402594							
Observations	18							
ANOVA								
	df	SS	MS	F	Significance F			
Regression	1	2954161263	2954161263	3294.496397	5.85934E-20			
Residual	16	14347133.68	896695.8549					
Total	17	2968508397						
	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	-754.2899287	318.2887695	-2.369828914	0.03070572	-1429.031978	-79.54787968	-1429.031978	-79.54787968
Total Illiterate	5.029416457	0.087624001	57.39770376	5.85934E-20	4.843661873	5.215171041	4.843661873	5.215171041
			Illiteracy	y RATE				

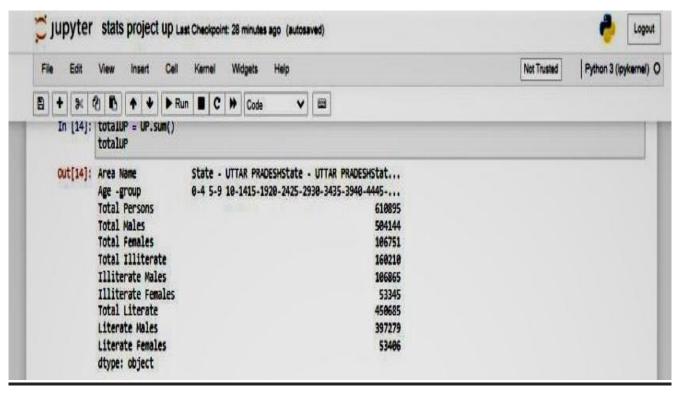
Summary output-literacy rate West Bengal

				Literac	y RATE			
Total Literate	1.246311236	0.005356303	232.6812361	1.14001E-29	1.234956381	1.257666092	1.234956381	1.257666092
Intercept	205.2370608	75.72199942		0.015439414				365.7605286
	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
	1,	2300300337						
Total	17	2968508397	2.222.10207					
Residual	16	877015.3867	54813.46167					
Regression	1	2967631382	2967631382	54140.55766				
	df	SS	MS	F	Significance F			
ANOVA								
Observations	18							
Standard Error	234.1227491							
Adjusted R Square	0.999686095							
R Square	0.99970456							
Multiple R	0.999852269			Y = 205.2370	6 +1.246311X			
Regression S	tatistics							
SOMMAN COTTOT								
SUMMARY OUTPUT								

UTTAR PRADESH

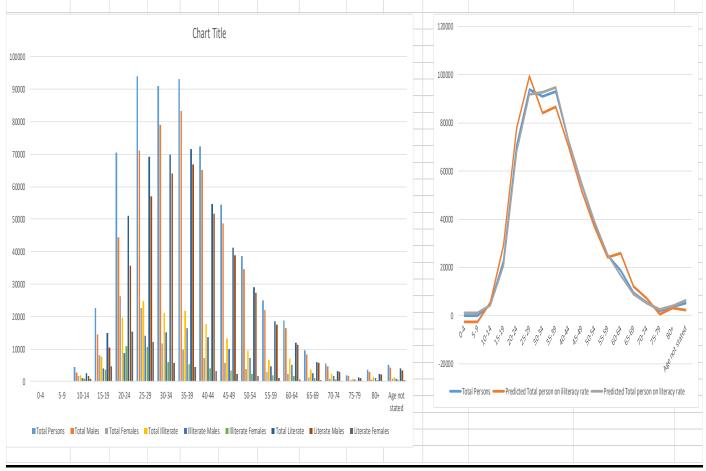






Census data and graph Uttar Pradesh

Area Name	Age -group	Total Persons	Total Males	Total Females	Total Illiterate	Illiterate Males	Illiterate Females	Total Literate	Literate Males	Literate Females	Predicted Total person on illiteracy rate	Predicted Total person on literacy rate	
State - UTTAR PRADESH	0-4	0	0	0	0	0	0	0	0	0	-2722.59	1074.61	
State - UTTAR PRADESH	5-9	0	0	0	0	0	0	0	0	0	-2722.59	1074.61	
State - UTTAR PRADESH	10-14	4451	2710	1741	1954	1101	853	2497	1609	888	5325.74	4352.08	
State - UTTAR PRADESH	15-19	22679	14489	8190	7708	4132	3576	14971	10357	4614	29025.89	20724.95	
State - UTTAR PRADESH	20-24	70565	44348	26217	19559	8711	10848	51006	35637	15369	77838.98	68023.05	
State - UTTAR PRADESH	25-29	93908	71224	22684	24758	14136	10622	69150	57088	12062	99253.14	91838.14	
State - UTTAR PRADESH	30-34	90935	79123	11812	21063	15094	5969	69872	64029	5843	84033.80	92785.81	
State - UTTAR PRADESH	35-39	93136	83273	9863	21676	16353	5323	71460	66920	4540	86558.69	94870.15	
State - UTTAR PRADESH	40-44	72483	65242	7241	17730	13630	4100	54753	51612	3141	70305.51	72941.21	
State - UTTAR PRADESH	45-49	54401	48732	5669	13254	9943	3311	41147	38789	2358	51869.31	55082.52	
State - UTTAR PRADESH	50-54	38607	34683	3924	9638	7325	2313	28969	27358	1611	36975.37	39098.17	
State - UTTAR PRADESH	55-59	25000	22085	2915	6519	4619	1900	18481	17466	1015	24128.52	25332.04	
State - UTTAR PRADESH	60-64	18822	16424	2398	6935	5152	1783	11887	11272	615	25841.98	16677.02	
State - UTTAR PRADESH	65-69	9566	8290	1276	3585	2610	975	5981	5680	301	12043.67	8925.04	
State - UTTAR PRADESH	70-74	5478	4644	834	2391	1767	624	3087	2877	210	7125.70	5126.49	
State - UTTAR PRADESH	75-79	1959	1634	325	789	535	254	1170	1099	71	527.22	2610.31	
State - UTTAR PRADESH	80+	3699	2973	726	1422	954	468	2277	2019	258	3134.49	4063.31	
State - UTTAR PRADESH	Age not stated	5206	4270	936	1229	803	426	3977	3467	510	2339.54	6294.67	



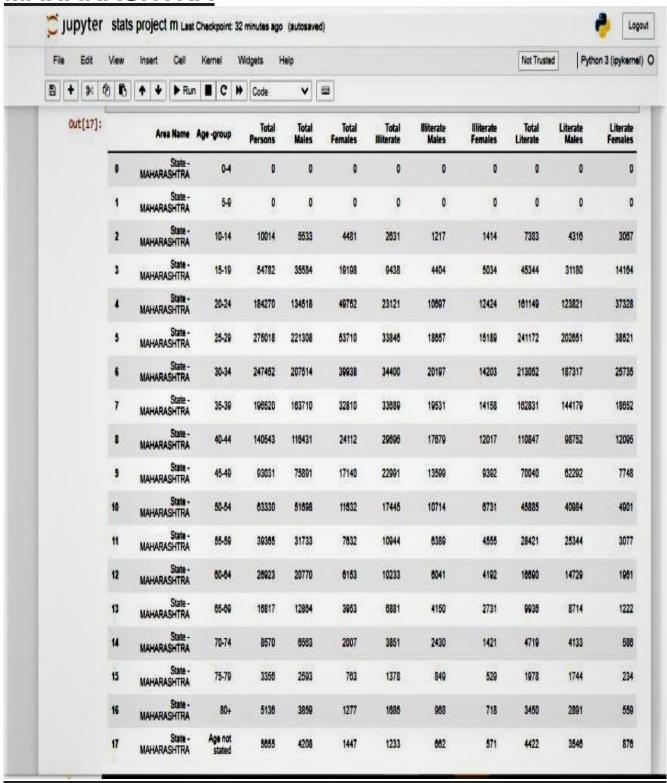
Summary output-illiteracy rate Uttar Pradesh

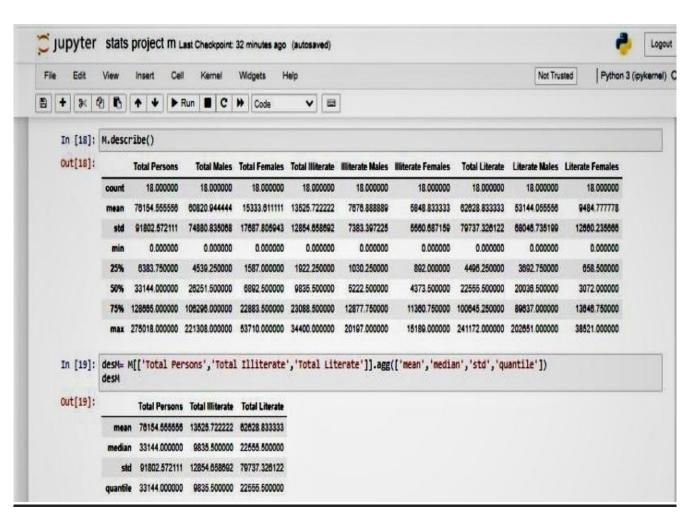
SUMMARY OUTPUT								
Regression S	tatistics							
Multiple R	0.992691747			Y = -2722.5	89 +4.1189X			
R Square	0.985436905							
Adjusted R Square	0.984526712							
Standard Error	4412.579734							
Observations	18							
ANOVA								
	df	SS	MS	F	Significance F			
Regression	1	21080469040	21080469040	1082.667593	3.99906E-16			
Residual	16	311533758.6	19470859.91					
Total	17	21392002798						
	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	-2722.589307	1524.182723	-1.786261756	0.093018918	-5953.712339	508.5337241	-5953.712339	508.5337241
Total Illiterate	4.118978887	0.125182032	32.90391456	3.99906E-16	3.853604834	4.38435294	3.853604834	4.38435294
			Illiteracy	, RATE				

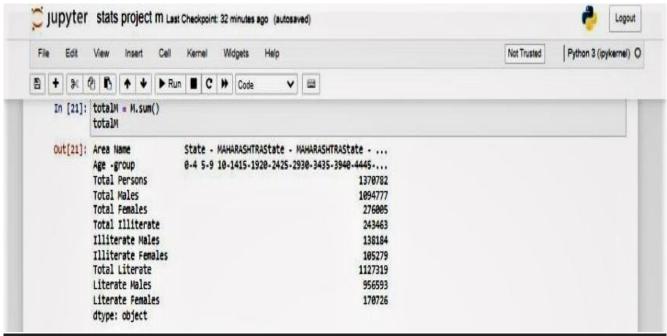
Summary output-literacy rate Uttar Pradesh

SUMMARY OUTPUT								
Regression St	tatistics							
Multiple R	0.999270029				Y = 1074.6149	9 +1.31256X		
R Square	0.99854059							
Adjusted R Square	0.998449377							
Standard Error	1396.864633							
Observations	18							
ANOVA								
	df	SS	MS	F	Significance F			
Regression	1	2.14E+10	21360783105	10947.33799	4.04388E-24			
Residual	16	31219693	1951230.804					
Total	17	2.14E+10						
	Coefficients	andard Erro	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	1074.614994	455.0381	2.361593343	0.031211081	109.9772729	2039.252715	109.9772729	2039.252715
Total Literate	1.312561834	0.012545	104.6295273	4.04388E-24	1.285967938	1.33915573	1.285967938	1.33915573
								
					Literacy	RATE		

MAHARASHTRA

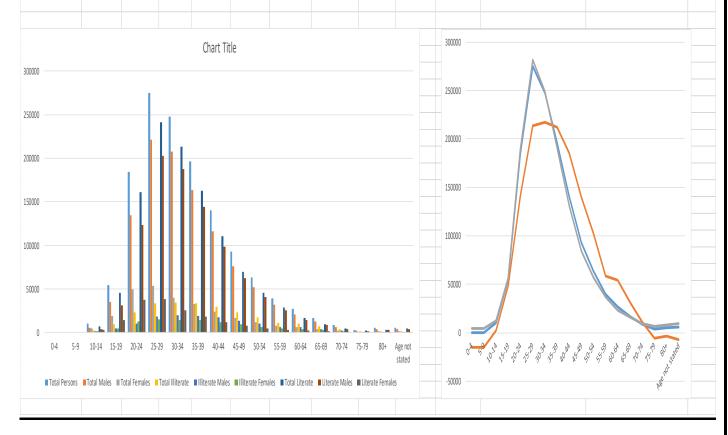






Census data and graph Maharashtra

Area Name	Age -group	Total Persons	Total Males	Total Females	Total Illiterate	Illiterate Males	Illiterate Females	Total Literate	Literate Males	Literate Females	Predicted Total person on illiteracy rate	Predicted Total person on literacy rate	
State - MAHARASHTRA	0-4	0	0	0	0	0	0	(0	0	-15313.63	4146.09	
State - MAHARASHTRA	5-9	0	0	0	0	0	0	0	0	0	-15313.63	4146.09	
State - MAHARASHTRA	10-14	10014	5533	4481	2631	1217	1414	7383	4316	3067	2478.59	12634.81	
State - MAHARASHTRA	15-19	54782	35584	19198	9438	4404	5034	45344	31180	14164	48511.13	56281.05	
State - MAHARASHTRA	20-24	184270	134518	49752	23121	10697	12424	161149	123821	37328	141042.83	189429.62	
State - MAHARASHTRA	25-29	275018	221308	53710	33846	18657	15189	241172	202651	38521	213570.96	281437.29	
State - MAHARASHTRA	30-34	247452	207514	39938	34400	20197	14203	213052	187317	25735	217317.40	249105.89	
State - MAHARASHTRA	35-39	196520	163710	32810	33689	19531	14158	162831	144179	18652	212509.25	191363.53	
State - MAHARASHTRA	40-44	140543	116431	24112	29696	17679	12017	110847	98752	12095	185506.46	131594.13	
State - MAHARASHTRA	45-49	93031	75891	17140	22991	13599	9392	70040	62292	7748	140163.70	84675.65	
State - MAHARASHTRA	50-54	63330	51698	11632	17445	10714	6731	45885	40984	4901	102658.71	56903.07	
State - MAHARASHTRA	55-59	39365	31733	7632	10944	6389	4555	28421	25344	3077	58695.50	36823.57	
State - MAHARASHTRA	60-64	26923	20770	6153	10233	6041	4192	16690	14729	1961	53887.34	23335.67	
State - MAHARASHTRA	65-69	16817	12864	3953	6881	4150	2731	9936	8714	1222	31219.34	15570.16	
State - MAHARASHTRA	70-74	8570	6563	2007	3851	2430	1421	4719	4133	586	10728.88	9571.83	
State - MAHARASHTRA	75-79	3356	2593	763	1378	849	529	1978	1744	234	-5994.86	6420.33	
State - MAHARASHTRA	80+	5136	3859	1277	1686	968	718	3450	2891	559	-3912.00	8112.78	
State - MAHARASHTRA	Age not stated	5655	4208	1447	1233	662	571	4422	3546	876	-6975.43	9230.35	



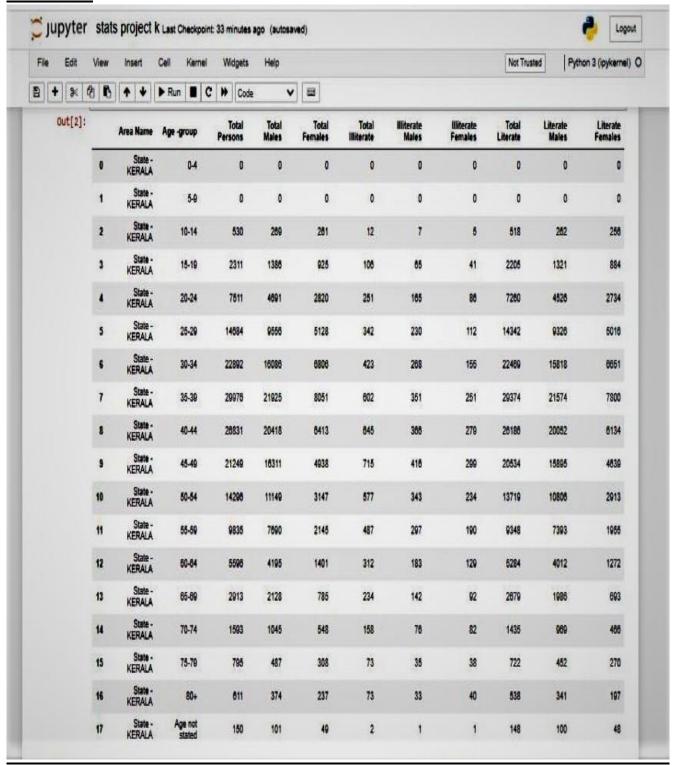
Summary output-illiteracy rate Maharashtra

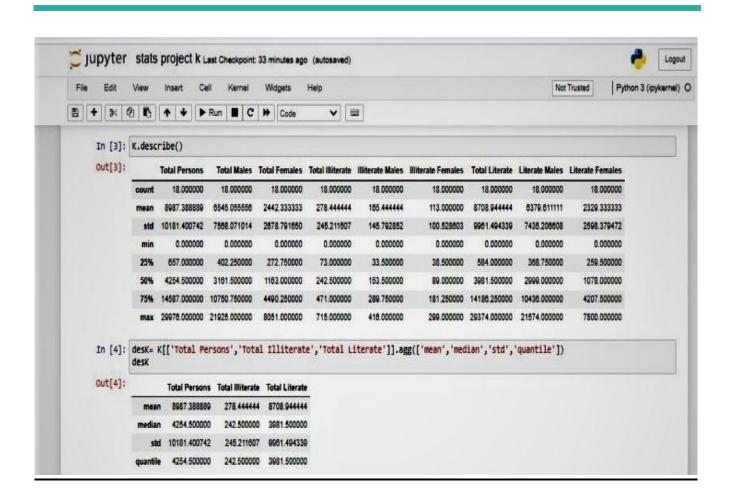
			0.00 1110.1					
SUMMARY OUTPUT								
Regression S	tatistics			Y = -15313.62	274 +6.76253X			
Multiple R	0.946924359							
R Square	0.896665742							
Adjusted R Square	0.890207351							
Standard Error	30418.75829							
Observations	18							
ANOVA								
	df	SS	MS	F	Significance F			
Regression	1	1.28466E+11	1.28466E+11	138.8373237	2.67914E-09			
Residual	16	14804813697	925300856					
Total	17	1.43271E+11						
	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	-15313.62746	10567.22581	-1.449162508	0.166608677	-37715.14544	7087.890532	-37715.14544	7087.890532
Total Illiterate	6.762535967	0.573926755	11.78292509	2.67914E-09	5.545865597	7.979206337	5.545865597	7.979206337
			Illiterac	, RATE				

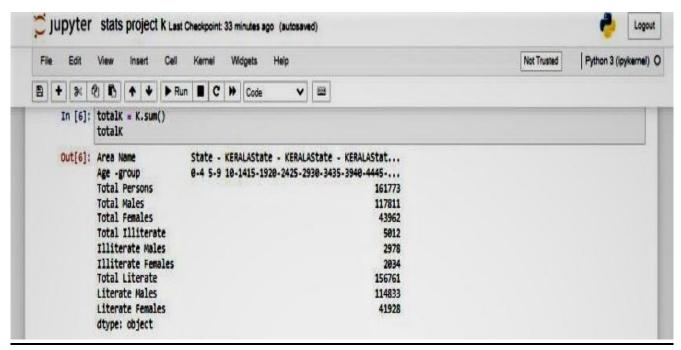
Summary output-literacy rate Maharashtra

SUMMARY OUTPUT								
Regression Statistics								
Multiple R	0.998656295			Y = 4146.0916	2 +1.1497653X			
R Square	0.997314395							
Adjusted R Square	0.997146545							
Standard Error	4903.88598							
Observations	18							
ANOVA								
	df	SS	MS	F	Significance F			
Regression	1	1.42886E+11	1.42886E+11	5941.689873	5.32052E-22			
Residual	16	384769563.4	24048097.71					
Total	17	1.43271E+11						
	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	4146.091627	1486.166084	2.789790234	0.013114593	995.5602704	7296.622984	995.5602704	7296.622984
Total Literate	1.149765373	0.014916064	77.08235773	5.32052E-22	1.11814473	1.181386016	1.11814473	1.181386016
				Literac	y RATE			

KERALA

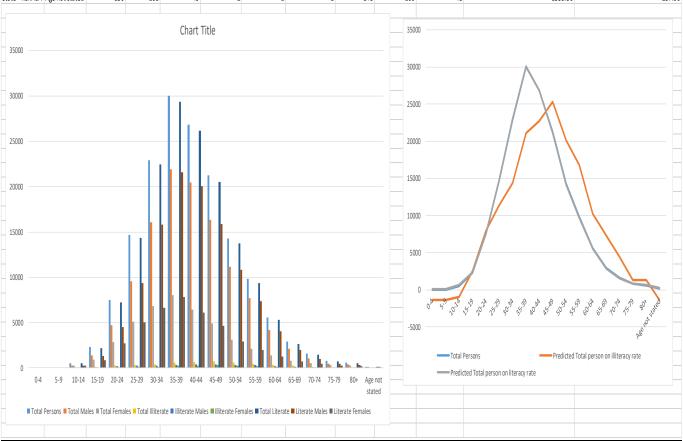






Census data and graph Kerala

Area Name	Age -group	Total Persons	Total Males	Total Females	Total Illiterate	Illiterate Males	Illiterate Females	Total Literate	Literate Males	Literate Females	Predicted Total person on illiteracy rate	Predicted Total person on literacy rate
State - KERALA	0-4	0	0	0	0	0	0	0	0	0	-1408.02	86.71
State - KERALA	5-9	0	0	0	0	0	0	0	0	0	-1408.02	86.71
State - KERALA	10-14	530	269	261	12	7	5	518	262	256	-960.06	616.11
State - KERALA	15-19	2,311	1,386	925	106	65	41	2,205	1,321	884	2548.96	2340.24
State - KERALA	20-24	7,511	4,691	2,820	251	165	86	7,260	4,526	2,734	7961.81	7506.50
State - KERALA	25-29	14,684	9,556	5,128	342	230	112	14,342	9,326	5,016	11358.84	14744.37
State - KERALA	30-34	22,892	16,086	6,806	423	268	155	22,469	15,818	6,651	14382.57	23050.25
State - KERALA	35-39	29,976	21,925	8,051	602	351	251	29,374	21,574	7,800	21064.64	30107.23
State - KERALA	40-44	26,831	20,418	6,413	645	366	279	26,186	20,052	6,134	22669.83	26849.06
State - KERALA	45-49	21,249	16,311	4,938	715	416	299	20,534	15,895	4,639	25282.93	21072.66
State - KERALA	50-54	14,296	11,149	3,147	577	343	234	13,719	10,806	2,913	20131.39	14107.66
State - KERALA	55-59	9,835	7,690	2,145	487	297	190	9,348	7,393	1,955	16771.69	9640.45
State - KERALA	60-64	5,596	4,195	1,401	312	183	129	5,284	4,012	1,272	10238.94	5487.01
State - KERALA	65-69	2,913	2,128	785	234	142	92	2,679	1,986	693	7327.2	2824.67
State - KERALA	70-74	1,593	1,045	548	158	76	82	1,435	969	466	4490.12	1553.29
State - KERALA	75-79	795	487	308	73	35	38	722	452	270	1317.07	824.60
State - KERALA	80+	611	374	237	73	33	40	538	341	197	1317.07	636.55
State - KERALA	Age not stated	150	101	49	2	1	1	148	100	48	-1333.36	237.96



Summary output-illiteracy rate Kerala

SUMMARY OUTPUT								
Regression S	tatistics							
Multiple R	0.899159776			Y = -1408.	02 +37.33X			
R Square	0.808488303							
Adjusted R Square	0.796518822							
Standard Error	4592.716658							
Observations	18							
ANOVA								
	df	SS	MS	F	Significance F			
Regression	1	1424746917	1424746917	67.54581093	3.90181E-07			
Residual	16	337488740.8	21093046.3					
Total	17	1762235658						
	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	-1408.028625	1664.844948	-0.845741597	0.410167256	-4937.342252	2121.285002	-4937.342252	2121.285002
Total Illiterate	37.33390169	4.542596578	8.218625854	3.90181E-07	27.70402713	46.96377624	27.70402713	46.96377624
			Illiterac	y KATE				

Summary output-literacy rate Kerala

SUMMARY OUTPUT								
Regression St	atistics							
Multiple R	0.999941976			Y = 86.7053	3 +1.02201X			
R Square	0.999883954							
Adjusted R Square	0.999876702							
Standard Error	113.0540652							
Observations	18							
ANOVA								
	df	SS	MS	F	Significance F			
Regression	1	1762031159	1762031159	137860.9343	6.45874E-33			
Residual	16	204499.5465	12781.22166					
Total	17	1762235658						
	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	86.70537401	35.8429998	2.419032293	0.027843237	10.72160879	162.6891392	10.72160879	162.6891392
Total Literate	1.022016339	0.002752563	371.296289	6.45874E-33	1.016181166	1.027851511	1.016181166	1.027851511
				Literac	y RATE			

Hypothesis Testing

The Data set of migration has been tested on Anova: Single Factor,

Null hypothesis on Mean-

H0: $\mu_{Literate\ persons\ of\ WB} = \mu_{Literate\ persons\ of\ WB} = \mu_{Literate\ persons\ of\ KL}$ Alternate hypothesis –

H1: $\mu_{Literate\ persons\ of\ WB} \neq \mu_{Literate\ persons\ of\ UP} \neq \mu_{Literate\ persons\ of\ MH} \neq \mu_{Literate\ persons\ of\ KL}$

Age -group	Total Literate persons of WB	Total Literate persons of UP	Total Literate persons of MH	Total Literate persons of KL								
0-4	0	0	0	0								
5-9	0	0	0	0	Anova							
10-14	1340	2497	7383	518	Ho: Mea	n of WB = Mean Of UP = Mean	of MH = Mean	of KL				
15-19	7505	14971	45344	2,205	H1 : Me	an of WB → Mean Of UP → Me	an of MH > <m< td=""><td>ean of KL</td><td></td><td></td><td></td><td></td></m<>	ean of KL				
20-24	18488	51006	161149	7,260								
25-29	27159	69150	241172	14,342								
30-34	27729	69872	213052	22,469		Rejecting Null hypothesis	P value is less	than sign	nificance level	0.05)		
35-39	27661	71460	162831	29,374								
40-44	21832	54753	110847	26,186								
45-49	15974	41147	70040	20,534								
50-54	10904	28969	45885	13,719		Anova: Single Factor						
55-59	7318	18481	28421	9,348								
60-64	3940	11887	16690	5,284		SUMMARY						
65-69	2088	5981	9936	2,679		Groups	Count	Sum	Average	Variance		
70-74	997	3087	4719	1,435		Total Literate persons of WB	18	174250	9680.55556	112384913		
75-79	386	1170	1978	722		Total Literate persons of UP	18	450685	25038.0556	729337771		
80+	689	2277	3450	538		Total Literate persons of MH	18	1E+06	62628.8333	6358041177		
Age not state	240	3977	4422	148		Total Literate persons of KL	18	156761	8708.94444	99231369.5		
						ANOVA						
						Source of Variation	SS	df	MS	F	P-value	F crit
						Between Groups	3.4323E+10	3	1.1441E+10	6.26994065	0.00080488	2.7395
						Within Groups	1.2408E+11	68	1824748807			
						Total	1.5841E+11	71				

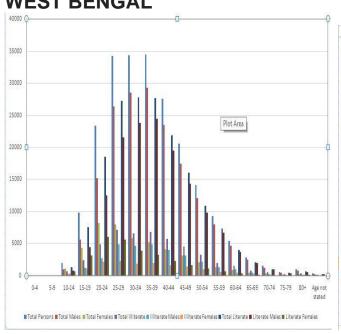
As according to tested result p-value is 0.00080488 which is less than significance level (0.05). Hence rejecting null hypothesis.

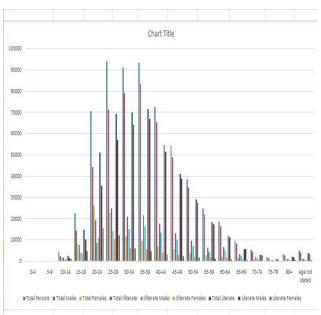
Highest mean value achieved for Maharashtra with 62k literate persons migration.

SIDE BY SIDE ANALYSIS OF MIGRATION FROM RURAL TO URBAN IN INDIA



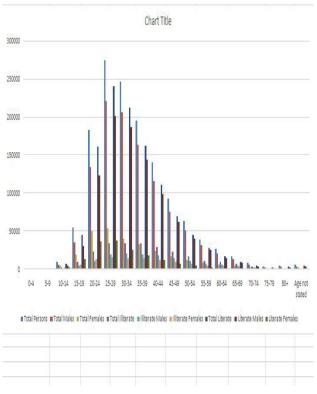
UTTAR PRADESH

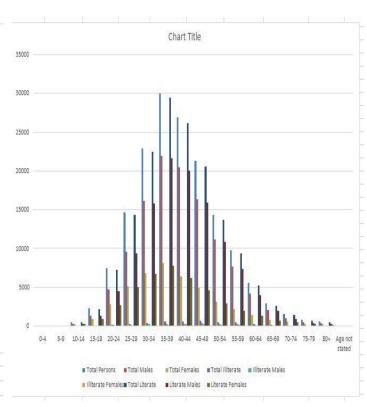




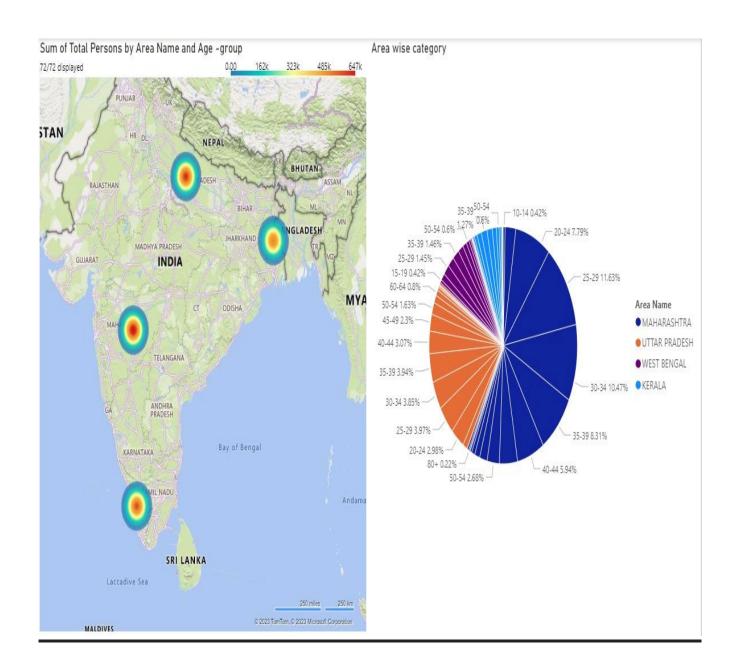
MAHARASHTRA

KERALA





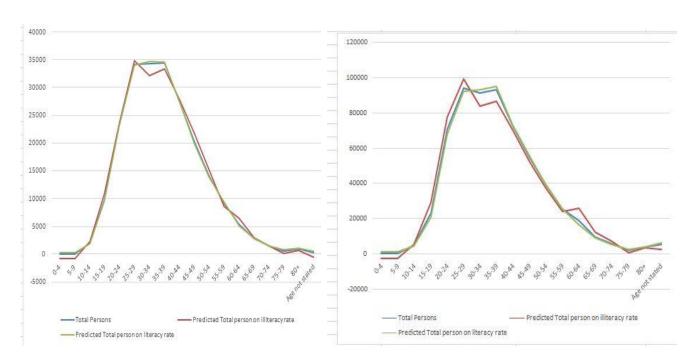
ANALYSIS OF MIGRATION ON WORK/EMPLOYED



Above pie chart and map showing category wise difference of 4 states, which is showing maximum numbers of migrants from Maharashtra and Uttar Pradesh which is more than 82.7% of total migrants based on Employed migration.

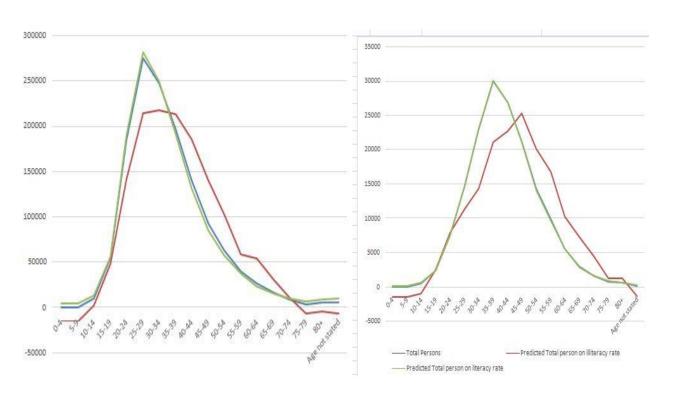
WEST BENGAL

UTTAR PRADESH



MAHARASHTRA

KERALA



CONCLUSION

Our understanding of India's migration trends and patterns is generally based on census data, which is deficient in terms of capturing temporary, seasonal and circular migration. It has thus perpetuated the 20 impressions that mobility in India has been low. On the other hand, census data suggest that inter-state migration has been on the rise and migration has also become more feminized, primarily due to marriage-migration.

- Between 2001 and 2011, there was an increase in the growth rate of migrants headed for other destinations within their own states as compared to those headed outward.
- The number of so-called inter-state migrants grew at 55% between the 1991 and the 2001 Census. This came down to just 33% between the 2001 and 2011 Census.
- In contrast, the rate of growth in inter-district migrants (within the same state) increased from 30% between the 1991 and 2001 census to 58% between 2001 and 2011

As per previous graph comparison, Maharashtra and Uttar Pradesh is showing maximum number of migrations.

Also, predicted total migrants will also be more for Uttar Pradesh in coming times based on literacy rate.

Also in West Bengal predicted total migrants will increase based on literacy.

The literacy rate among migrants in 2011 was 61.3% (76.7% for males and 54.0% for females) which was about 13% lower than the total population.

While male literacy rate stands at 80.9 per cent – which is 5.6 per cent more than the previous census, the female literacy rate stands at 64.6 per cent — an increase of 10.9 per cent than 2001

Literacy rate in India in 2011 has increased by 8 per cent to 73 per cent in comparison to 64.8 per cent in 2001.

THANK YOU