

ANNEXURE – IX–1 **Summary Outputs of Anova (Analyses of Variance)** **(Computation based on the Data represented in Annexure V)**

1.1) Summary Outputs of Anova Computation for Samples Classified According to Altitude

List of Independent Variables:
 (1) Altitude (2) Forest Area (3) Cultivable Area (4) Average Soil Depth (5) Depth of Ground Water Availability

1) Anova: Single Factor for Mean Temporal Population Density Distribution

SUMMARY					
Groups	Count	Sum	Average	Variance	
Column 1	10	28.86	2.886	3.676626667	
Column 2	46	143.01	3.108913043	2.373218792	
Column 3	54	154.28	2.857037037	1.346994829	

ANOVA						
Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	1.644538422	2	0.822269211	0.416436954	0.660456134	3.081197519
Within Groups	211.2752116	107	1.974534688			
Total	212.91975	109				

2) Anova: Single Factor for Mean Temporal Tribal Density Distribution

SUMMARY					
Groups	Count	Sum	Average	Variance	
Column 1	10	25.15	2.515	2.217716667	
Column 2	46	115.23	2.505	2.884034444	
Column 3	54	144.46	2.675185185	1.405678267	

ANOVA						
Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	0.780419125	2	0.390209562	0.186193634	0.83038122	3.081197519
Within Groups	224.2419481	107	2.095719142			
Total	225.0223673	109				

3) Anova: Single Factor for Mean Temporal Literate Population % Distribution

SUMMARY					
Groups	Count	Sum	Average	Variance	
Column 1	10	116	11.6	18.47111111	
Column 2	46	949.1	20.6326087	42.05113527	
Column 3	54	868.8	16.08888889	78.0572327	

ANOVA						
Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	906.3154888	2	453.1577444	7.826211964	0.000672758	3.081197519
Within Groups	6195.57442	107	57.90256468			
Total	7101.889909	109				

4) Anova: Single Factor for Mean Temporal Main Worker Distribution

SUMMARY					
Groups	Count	Sum	Average	Variance	
Column 1	10	425.5	42.55	64.24277778	
Column 2	46	1669.1	36.28478261	42.40398551	
Column 3	54	1939.6	35.91851852	47.54304682	

ANOVA						
Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	383.062898	2	191.531449	4.093741121	0.019357503	3.081197519
Within Groups	5006.145829	107	46.78640962			
Total	5389.208727	109				

5) Anova: Single Factor for Mean Temporal Cultivator % Distribution

SUMMARY				
Groups	Count	Sum	Average	Variance
Column 1	10	845.7	84.57	57.32233333
Column 2	46	3803.5	82.68478261	89.89776329
Column 3	54	4694.3	86.93148148	76.99616003

ANOVA						
Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	449.4890798	2	224.7445399	2.782619339	0.066359368	3.081197519
Within Groups	8642.096829	107	80.76726009			
Total	9091.585909	109				

6) Anova: Single Factor for Mean Temporal Tribal % Distribution

SUMMARY				
Groups	Count	Sum	Average	Variance
Column 1	10	865.9	86.59	196.8143333
Column 2	46	3522.19	76.56934783	481.0154507
Column 3	54	4813.7	89.14259259	289.7104158

ANOVA						
Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	4021.777418	2	2010.888709	5.549543179	0.00509146	3.081197519
Within Groups	38771.67632	107	362.3521151			
Total	42793.45374	109				

7) Anova: Single Factor for Mean Temporal Forest % Distribution

SUMMARY				
Groups	Count	Sum	Average	Variance
Column 1	10	160.73	16.073	528.9416456
Column 2	46	437	9.5	102.6597644
Column 3	54	586.32	10.85777778	118.8196629

ANOVA						
Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	355.8237158	2	177.9118579	1.214252251	0.300990149	3.081197519
Within Groups	15677.60634	107	146.5196855			
Total	16033.43006	109				

8) Anova: Single Factor for Mean Temporal Cultivable Area % Distribution

SUMMARY				
Groups	Count	Sum	Average	Variance
Column 1	10	583.7	58.37	794.8117556
Column 2	46	2994.39	65.09543478	217.5828787
Column 3	54	3204.89	59.34981481	317.0753981

ANOVA						
Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	939.3370478	2	469.6685239	1.489123266	0.230207136	3.081197519
Within Groups	33747.73144	107	315.3993592			
Total	34687.06849	109				

1.2) Summary Outputs of Anova Computation for Samples Classified According to Distance from Urban Centres

1) Anova: Single Factor for Mean Temporal Population Density Distribution

SUMMARY

Groups	Count	Sum	Average	Variance
Column 1	34	88.36	2.598823529	3.057083422
Column 2	63	165.45	2.626190476	1.440775576
Column 3	13	27	2.076923077	0.539389744

ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	3.355310785	2	1.677655393	0.912675441	0.404550772	3.081197519
Within Groups	196.6845156	107	1.838173043			
Total	200.0398264	109				

2) Anova: Single Factor for Mean Temporal Literate % Distribution

SUMMARY

Groups	Count	Sum	Average	Variance
Column 1	34	750.29	22.06735294	81.40126854
Column 2	63	1030.96	16.36444444	45.05157993
Column 3	13	152.8	11.75384615	33.77769231

ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	1218.995007	2	609.4975034	11.08220191	4.22562E-05	3.081197519
Within Groups	5884.772125	107	54.99787033			
Total	7103.767132	109				

3) Anova: Single Factor for Mean Temporal Tribal Density Distribution

SUMMARY

Groups	Count	Sum	Average	Variance
Column 1	34	88.36	2.598823529	3.057083422
Column 2	63	165.45	2.626190476	1.440775576
Column 3	13	27	2.076923077	0.539389744

ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	3.355310785	2	1.677655393	0.912675441	0.404550772	3.081197519
Within Groups	196.6845156	107	1.838173043			
Total	200.0398264	109				

4) Anova: Single Factor for Mean Temporal Forest % Distribution

SUMMARY

Groups	Count	Sum	Average	Variance
Column 1	34	426.15	12.53382353	156.6239334
Column 2	63	625.16	9.923174603	157.1875156
Column 3	13	133.77	10.29	99.01983333

ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	153.9485193	2	76.97425963	0.511490106	0.601060002	3.081197519
Within Groups	16102.45377	107	150.4902221			
Total	16256.40229	109				

5) Anova: Single Factor for Mean Temporal Main Worker % Distribution

SUMMARY

Groups	Count	Sum	Average	Variance
Column 1	34	1104.8	32.49411765	24.29754011
Column 2	63	2429.3	38.56031746	54.26985151
Column 3	13	500.3	38.48461538	29.57307692

ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	860.8120052	2	430.4060026	10.18560002	8.92731E-05	3.081197519
Within Groups	4521.42654	107	42.25632281			
Total	5382.238545	109				

6) Anova: Single Factor for Mean Temporal Cultivator % Distribution

SUMMARY

Groups	Count	Sum	Average	Variance
Column 1	34	2785.8	81.93529412	110.2078075
Column 2	63	5452.9	86.55396825	74.62445981
Column 3	13	1104.8	84.98461538	29.74307692

ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	471.094831	2	235.5474155	2.923681868	0.058041851	3.081197519
Within Groups	8620.491078	107	80.56533718			
Total	9091.585909	109				

7) Anova: Single Factor for Mean Temporal Tribal % Distribution

SUMMARY

Groups	Count	Sum	Average	Variance
Column 1	34	2805.98	82.52882353	338.8524895
Column 2	63	5303.61	84.18428571	390.5278475
Column 3	13	1177.7	90.59230769	144.0357692

ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	620.3581725	2	310.1790863	0.894025397	0.412038838	3.081197519
Within Groups	37123.28793	107	346.9466161			
Total	37743.6461	109				

8) Anova: Single Factor for Mean Temporal Cultivable Area % Distribution

SUMMARY

Groups	Count	Sum	Average	Variance
Column 1	34	2032.87	59.79029412	237.3031363
Column 2	63	4035.28	64.05206349	319.8830295
Column 3	13	714.61	54.97	495.8725333

ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	1061.170238	2	530.5851192	1.688946072	0.18960071	3.081197519
Within Groups	33614.22173	107	314.1516049			
Total	34675.39197	109				

1.3) Summary Outputs of Anova Computation for Samples Classified According to Physiographic Classification

1) Anova: Single Factor for Mean Temporal Population Density Distribution

SUMMARY

Groups	Count	Sum	Average	Variance
Column 1	33	106.86	3.238181818	3.470234091
Column 2	12	32.8	2.733333333	0.278787879
Column 3	19	49.92	2.627368421	2.203431579
Column 4	9	27.37	3.041111111	1.164961111
Column 5	37	111.2	3.005405405	1.416081081

ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	5.348852559	4	1.33721314	0.655880815	0.624027617	2.458207859
Within Groups	214.0745338	105	2.038805084			
Total	219.4233864	109				

2) Anova: Single Factor for Mean Temporal Tribal Density Distribution

SUMMARY

Groups	Count	Sum	Average	Variance
Column 1	33	97.2	2.945454545	3.336638068
Column 2	12	28.4	2.366666667	0.207878788
Column 3	19	44.41	2.337368421	1.891064912
Column 4	9	17.37	1.93	2.4493
Column 5	37	95.65	2.585135135	0.997381231

ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	9.870132406	4	2.467533102	1.304597645	0.273139729	2.458207859
Within Groups	198.5983776	105	1.89141312			
Total	208.46851	109				

3) Anova: Single Factor for Mean Temporal Literate % Distribution

SUMMARY

Groups	Count	Sum	Average	Variance
Column 1	33	618.46	18.74121212	61.47392348
Column 2	12	204.6	17.05	51.17909091
Column 3	19	286	15.05263158	117.6459649
Column 4	9	168.1	18.67777778	50.32944444
Column 5	37	668.1	18.05675676	53.09807808

ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	187.2947901	4	46.82369752	0.706196233	0.589449667	2.458207859
Within Groups	6961.929286	105	66.30408844			
Total	7149.224076	109				

4) Anova: Single Factor for Mean Temporal Main Worker % Distribution

SUMMARY

Groups	Count	Sum	Average	Variance
Column 1	33	1076.5	32.62121212	20.38672348
Column 2	12	472.8	39.4	25.30909091
Column 3	19	760	40	45.64888889
Column 4	9	395.3	43.92222222	55.28194444
Column 5	37	1329.3	35.92702703	51.68869369

ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	1334.858956	4	333.7147391	8.640122256	4.55582E-06	2.458207859
Within Groups	4055.50368	105	38.62384457			
Total	5390.362636	109				

5) Anova: Single Factor for Mean Temporal Cultivator % Distribution

SUMMARY

Groups	Count	Sum	Average	Variance
Column 1	33	2742.3	83.1	76.164375
Column 2	12	1036	86.33333333	34.24242424
Column 3	19	1592.8	83.83157895	108.9567251
Column 4	9	774.7	86.07777778	43.53694444
Column 5	37	3193.7	86.31621622	101.9880631

ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	239.9541821	4	59.98854554	0.716178235	0.582708666	2.458207859
Within Groups	8795.013545	105	83.76203376			
Total	9034.967727	109				

6) Anova: Single Factor for mean temporal percentage of Tribal Population

SUMMARY

Groups	Count	Sum	Average	Variance
Column 1	33	2952.3	89.46363636	186.1548864
Column 2	12	1042.1	86.84166667	146.017197
Column 3	19	1650.85	86.88684211	230.3149561
Column 4	9	450	50	571.45
Column 5	37	3196.46	86.39081081	262.4781243

ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	11831.52048	4	2957.880121	12.07080888	4.14885E-08	2.458207859
Within Groups	25729.62722	105	245.0440687			
Total	37561.1477	109				

7) Anova: Single Factor for mean temporal percentage of Forest Area

SUMMARY

Groups	Count	Sum	Average	Variance
Column 1	33	447.74	13.56787879	269.2610172
Column 2	12	94.3	7.858333333	57.83145152
Column 3	19	167.06	8.792631579	76.69868713
Column 4	9	49	5.444444444	66.93890278
Column 5	37	426.01	11.51378378	115.3947186

ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	710.0711564	4	177.5177891	1.216446912	0.308296707	2.458207859
Within Groups	15322.79598	105	145.9313903			
Total	16032.86714	109				

8) Anova: Single Factor for average mean temporal percentage of Cultivable Land

SUMMARY

Groups	Count	Sum	Average	Variance
Column 1	33	1974.45	59.83181818	333.5508153
Column 2	12	793.31	66.10916667	117.8602992
Column 3	19	1090.69	57.40473684	566.6215374
Column 4	9	658.65	73.18333333	153.300025
Column 5	36	2208.94	61.35944444	268.0960454

ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	1889.971531	4	472.4928827	1.499106183	0.207867632	2.459053405
Within Groups	32779.03885	104	315.1830658			
Total	34669.01038	108				

ANNEXURE – IX–2 **Summary Outputs of Anova (Analyses of Variance)** (Computation based on the Data represented in Annexure VI)

2.1) Summary Outputs of Anova Computation for Samples Classified According to Altitude

List of Independent Variables:
(1) Altitude (2) Forest Area (3) Cultivable Area (4) Average Soil Depth (5) Depth of Ground Water Availability

1) Anova: Single Factor for Mean Distance between settlement agglomerations.

SUMMARY							
Groups	Count	Sum	Average	Variance			
Column 1	7	4.7	0.671428571	0.202380952			
Column 2	9	4.2	0.466666667	0.0525			
Column 3	14	7.3	0.521428571	0.06489011			

ANOVA							
Source of Variation	SS	df	MS	F	P-value	F crit	
Between Groups	0.174142857	2	0.087071429	0.948774863	0.399748691	3.354131195	
Within Groups	2.477857143	27	0.091772487				
Total	2.652	29					

2) Anova: Single Factor for Electrification % Distribution

SUMMARY							
Groups	Count	Sum	Average	Variance			
Column 1	7	140	20	366.6666667			
Column 2	9	560	62.22222222	1219.444444			
Column 3	14	410	29.28571429	868.6813187			

ANOVA							
Source of Variation	SS	df	MS	F	P-value	F crit	
Between Groups	8581.587302	2	4290.793651	4.983197351	0.014388483	3.354131195	
Within Groups	23248.4127	27	861.0523222				
Total	31830	29					

3) Anova: Single Factor for Non – Cemented House % Distribution

SUMMARY							
Groups	Count	Sum	Average	Variance			
Column 1	7	610	87.14285714	290.4761905			
Column 2	9	630	70	100			
Column 3	14	1100	78.57142857	551.6483516			

ANOVA							
Source of Variation	SS	df	MS	F	P-value	F crit	
Between Groups	1165.714286	2	582.8571429	1.62	0.216549255	3.354131195	
Within Groups	9714.285714	27	359.7883598				
Total	10880	29					

4) Anova: Single Factor for Animal Domestication (per household)

SUMMARY							
Groups	Count	Sum	Average	Variance			
Column 1	7	36	5.142857143	1.80952381			
Column 2	9	45	5	6.5			
Column 3	14	65	4.642857143	4.401098901			

ANOVA							
Source of Variation	SS	df	MS	F	P-value	F crit	
Between Groups	1.395238095	2	0.697619048	0.15687091	0.855587865	3.354131195	
Within Groups	120.0714286	27	4.447089947				
Total	121.4666667	29					

5) Anova: Single Factor for Tree Density (Trees / Hectare)

SUMMARY

Groups	Count	Sum	Average	Variance
Column 1	7	27	3.857142857	14.47619048
Column 2	9	26	2.888888889	9.861111111
Column 3	14	34	2.428571429	6.879120879

ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	9.525396825	2	4.762698413	0.503940657	0.609715648	3.354131195
Within Groups	255.1746032	27	9.450911229			
Total	264.7	29				

6) Anova: Single Factor for Diseased Population Distribution

SUMMARY

Groups	Count	Sum	Average	Variance
Column 1	7	101	14.42857143	9.952380952
Column 2	9	177.25	19.69444444	57.05812778
Column 3	14	242	17.28571429	28.68131868

ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	109.2667659	2	54.63338294	1.659213565	0.209108078	3.354131195
Within Groups	889.0364508	27	32.92727596			
Total	998.3032167	29				

7) Anova: Single Factor for Mean Extent of Villages

SUMMARY

Groups	Count	Sum	Average	Variance
Column 1	7	13.68	1.954285714	0.293161905
Column 2	9	22.48	2.497777778	0.363219444
Column 3	14	35.09	2.506428571	0.470393956

ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	1.616501587	2	0.808250794	2.024404295	0.151636631	3.354131195
Within Groups	10.77984841	27	0.399253645			
Total	12.39635	29				

8) Anova: Single Factor for Forest Area % Distribution

SUMMARY

Groups	Count	Sum	Average	Variance
Column 1	7	37.13	5.304285714	48.42799524
Column 2	9	69.63	7.736666667	81.9959
Column 3	14	136.91	9.779285714	93.22693022

ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	95.36527238	2	47.68263619	0.596451224	0.557858006	3.354131195
Within Groups	2158.485264	27	79.94389868			
Total	2253.850537	29				

9) Anova: Single Factor for Tribal Population % Distribution

SUMMARY

Groups	Count	Sum	Average	Variance
Column 1	7	671	95.85714286	26.80952381
Column 2	9	735	81.66666667	534.5
Column 3	14	1285	91.78571429	166.0274725

ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	907.0857143	2	453.5428571	1.856748941	0.175576156	3.354131195
Within Groups	6595.214286	27	244.2671958			
Total	7502.3	29				

10) Anova: Single Factor for Literate Population % Distribution

SUMMARY

Groups	Count	Sum	Average	Variance
Column 1	7	164	23.42857143	165.6190476
Column 2	9	234	26	248.25
Column 3	14	308	22	212.4615385

ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	87.75238095	2	43.87619048	0.206324642	0.814839708	3.354131195
Within Groups	5741.714286	27	212.6560847			
Total	5829.466667	29				

11) Anova: Single Factor for Tribal Density Distribution

SUMMARY

Groups	Count	Sum	Average	Variance
Column 1	7	22	3.142857143	0.476190476
Column 2	9	25	2.777777778	2.194444444
Column 3	14	38	2.714285714	2.835164835

ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	0.896825397	2	0.448412698	0.211405211	0.810773113	3.354131195
Within Groups	57.26984127	27	2.121105232			
Total	58.16666667	29				

12) Anova: Single Factor for Average Productivity Distribution

SUMMARY

Groups	Count	Sum	Average	Variance
Column 1	7	36	5.142857143	2.476190476
Column 2	9	49	5.444444444	3.027777778
Column 3	14	74	5.285714286	4.835164835

ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	0.363492063	2	0.181746032	0.048139209	0.953082716	3.354131195
Within Groups	101.9365079	27	3.77542622			
Total	102.3	29				

13) Anova: Single Factor for Soil – Depth Distribution

SUMMARY

Groups	Count	Sum	Average	Variance
Column 1	7	20	2.857142857	0.05952381
Column 2	9	27	3	0.25
Column 3	14	38	2.714285714	0.296703297

ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	0.452380952	2	0.226190476	0.982758621	0.387269617	3.354131195
Within Groups	6.214285714	27	0.23015873			
Total	6.666666667	29				

14) Anova: Single Factor for Cultivable Land Area % Distribution

SUMMARY

Groups	Count	Sum	Average	Variance
Column 1	7	176.5	25.21428571	41.57142857
Column 2	9	244	27.11111111	108.7361111
Column 3	14	552.2	39.44285714	512.1360989

ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	1307.601921	2	653.8009603	2.269825001	0.12269958	3.354131195
Within Groups	7777.086746	27	288.0402499			
Total	9084.688667	29				

2.2) Summary Outputs of Anova Computation for Samples Classified According to Distance from Urban Centres

1) Anova: Single Factor for Altitude of Samples

SUMMARY

Groups	Count	Sum	Average	Variance
Column 1	8	6026	753.25	72700.78571
Column 2	19	15094	794.4210526	52175.70175
Column 3	3	3348	1116	140868

ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	310343.0684	2	155171.5342	2.422026487	0.107777538	3.354131195
Within Groups	1729804.132	27	64066.81969			
Total	2040147.2	29				

2) Anova: Single Factor for Cultivable Area Distribution

SUMMARY

Groups	Count	Sum	Average	Variance
Column 1	8	270	33.75	227.4285714
Column 2	19	591.7	31.14210526	355.5600731
Column 3	3	113	37.66666667	486.0833333

ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	127.6140175	2	63.80700877	0.192184469	0.826273574	3.354131195
Within Groups	8964.247982	27	332.0091845			
Total	9091.862	29				

3) Anova: Single Factor for average Soil – Depth Distribution

SUMMARY					
Groups	Count	Sum	Average	Variance	
Column 1	8	23.5	2.9375	0.316964286	
Column 2	19	53.5	2.815789474	0.200292398	
Column 3	3	8	2.666666667	0.333333333	

ANOVA						
Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	0.175986842	2	0.087993421	0.366035983	0.696866385	3.354131195
Within Groups	6.490679825	27	0.240395549			
Total	6.666666667	29				

4) Anova: Single Factor for Average Productivity Per Hectare

SUMMARY

Groups	Count	Sum	Average	Variance
Column 1	8	38	4.75	6.214285714
Column 2	19	109	5.736842105	2.538011696
Column 3	3	12	4	1

ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	11.11578947	2	5.557894737	1.645714286	0.211638228	3.354131195
Within Groups	91.18421053	27	3.377192982			
Total	102.3	29				

5) Anova: Single Factor for Tribal Density Distribution

SUMMARY						
Groups	Count	Sum	Average	Variance		
Column 1	8	19	2.375	1.125		
Column 2	19	59	3.105263158	2.432748538		
Column 3	3	7	2.333333333	1.333333333		
ANOVA						
Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	3.835526316	2	1.917763158	0.953037336	0.39816006	3.354131195
Within Groups	54.33114035	27	2.012264457			
Total	58.16666667	29				

6) Anova: Single Factor for Tribal Literate Population % Distribution

SUMMARY						
Groups	Count	Sum	Average	Variance		
Column 1	7	148	21.14285714	143.1428571		
Column 2	19	431	22.68421053	230.7836257		
Column 3	3	82	27.33333333	129.3333333		
ANOVA						
Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	81.12954801	2	40.564774	0.200067969	0.81992363	3.36900996
Within Groups	5271.629073	26	202.7549643			
Total	5352.758621	28				

7) Anova: Single Factor for Tribal Populatn % Distribution

SUMMARY						
Groups	Count	Sum	Average	Variance		
Column 1	8	697	87.125	604.9821429		
Column 2	19	1704	89.68421053	166.7836257		
Column 3	3	290	96.66666667	33.33333333		
ANOVA						
Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	198.6530702	2	99.32653509	0.367188676	0.696084788	3.354131195
Within Groups	7303.64693	27	270.5054418			
Total	7502.3	29				

8) Anova: Single Factor for Forest Area % Distribution

SUMMARY					
Groups	Count	Sum	Average	Variance	
Column 1	8	64.02	8.0025	105.9253357	
Column 2	19	139.03	7.317368421	63.15502047	
Column 3	3	40.62	13.54	137.5516	

ANOVA						
Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	100.4796182	2	50.23980912	0.629930884	0.540275617	3.354131195
Within Groups	2153.370918	27	79.75447846			
Total	2253.850537	29				

9) Anova: Single Factor for Mean Distance between Settlement Agglomerations

SUMMARY					
Groups	Count	Sum	Average	Variance	
Column 1	8	3.1	0.3875	0.018392857	
Column 2	19	12.4	0.652631579	0.100409357	
Column 3	3	0.7	0.233333333	0.003333333	

ANOVA						
Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	0.709214912	2	0.354607456	4.92818345	0.014979308	3.354131195
Within Groups	1.942785088	27	0.071955003			
Total	2.652	29				

10) Anova: Single Factor for Mean Extent of Sample Villages

SUMMARY

Groups	Count	Sum	Average	Variance
Column 1	8	17.97	2.24625	0.3371125
Column 2	19	45.49	2.394210526	0.48321462
Column 3	3	7.75	2.583333333	0.535833333

ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	0.269779342	2	0.134889671	0.300265961	0.743062279	3.354131195
Within Groups	12.12931732	27	0.449233975			
Total	12.39909667	29				

11) Anova: Single Factor for Diseased Population % Distribution

SUMMARY

Groups	Count	Sum	Average	Variance
Column 1	8	145.83	18.22875	56.37004107
Column 2	19	333.42	17.54842105	21.9678807
Column 3	3	41	13.66666667	80.33333333

ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	47.62440987	2	23.81220493	0.676284702	0.516907837	3.354131195
Within Groups	950.6788068	27	35.21032618			
Total	998.3032167	29				

12) Anova: Single Factor for Trees Density (Per Hectare)

SUMMARY

Groups	Count	Sum	Average	Variance
Column 1	8	16	2	2
Column 2	19	66	3.473684211	12.92982456
Column 3	3	5	1.666666667	0.333333333

ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	17.29649123	2	8.648245614	0.943812934	0.40160659	3.354131195
Within Groups	247.4035088	27	9.163092917			
Total	264.7	29				

13) Anova: Single Factor for Animal Domestication (Per Household)

SUMMARY

Groups	Count	Sum	Average	Variance
Column 1	8	41	5.125	6.410714286
Column 2	19	92	4.842105263	4.029239766
Column 3	3	13	4.333333333	1.333333333

ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	1.398684211	2	0.699342105	0.157262881	0.855256421	3.354131195
Within Groups	120.0679825	27	4.446962313			
Total	121.4666667	29				

14) Anova: Single Factor for Non – Cemented Houses % Distribution

SUMMARY

Groups	Count	Sum	Average	Variance
Column 1	8	610	76.25	198.2142857
Column 2	19	1500	78.94736842	343.2748538
Column 3	3	280	93.33333333	133.3333333

ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	663.5526316	2	331.7763158	1.143601445	0.333625488	3.354131195
Within Groups	7833.114035	27	290.1153346			
Total	8496.666667	29				

15) Anova: Single Factor for Electrification % Distribution

SUMMARY				
Groups	Count	Sum	Average	Variance
Column 1	8	370	46.25	769.6428571
Column 2	19	700	36.84210526	1322.807018
Column 3	3	40	13.33333333	133.3333333

ANOVA						
Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	2365.307018	2	1182.653509	1.08372569	0.352599182	3.354131195
Within Groups	29464.69298	27	1091.284925			
Total	31830	29				

2.3) Summary Outputs of Anova Computation for Samples Classified According to Physiographic Classification

1) Anova: Single Factor for Tribal Population Distribution

Anova: Single Factor

SUMMARY

Groups	Count	Sum	Average	Variance
Column 1	6	576	96	40
Column 2	7	642	91.71428571	193.9047619
Column 3	6	563	93.83333333	55.36666667
Column 4	3	215	71.66666667	1414.333333
Column 5	8	695	86.875	232.125

ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	1408.496429	4	352.1241071	1.444599022	0.248772138	2.758710593
Within Groups	6093.803571	25	243.7521429			
Total	7502.3	29				

2) Anova: Single Factor for Tribal Literate Population Distribution

Anova for Literate distribution

SUMMARY

Groups	Count	Sum	Average	Variance
Column 1	6	184	30.66666667	98.66666667
Column 2	7	178	25.42857143	281.6190476
Column 3	6	98	16.33333333	206.6666667
Column 4	3	39	13	21
Column 5	8	207	25.875	221.8392857

ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	1018.210714	4	254.5526786	1.322693498	0.288902817	2.758710593
Within Groups	4811.255952	25	192.4502381			
Total	5829.466667	29				

3) Anova: Single Factor for Tribal Cultivable Land Distribution

Anova: Single Factor

SUMMARY

Groups	Count	Sum	Average	Variance
Column 1	6	582	97	54
Column 2	7	638	91.14285714	294.1428571
Column 3	6	564	94	46
Column 4	3	231	77	1587
Column 5	8	721	90.125	102.6964286

ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	863.0678571	4	215.7669643	0.876000122	0.492247983	2.758710593
Within Groups	6157.732143	25	246.3092857			
Total	7020.8	29				

4) Anova: Single Factor for Tribal Density Distribution

Anova: Single Factor

SUMMARY					
Groups	Count	Sum	Average	Variance	
Column 1	6	18	3	2.8	
Column 2	7	21	3	2	
Column 3	6	21	3.5	3.1	
Column 4	3	10	3.333333333	0.333333333	
Column 5	8	15	1.875	0.696428571	

ANOVA						
Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	11.125	4	2.78125	1.478077945	0.238728082	2.758710593
Within Groups	47.04166667	25	1.881666667			
Total	58.16666667	29				

5) Anova: Single Factor for Average Soil Depth Distribution

Anova: Single Factor

SUMMARY					
Groups	Count	Sum	Average	Variance	
Column 1	6	17	2.833333333	0.066666667	
Column 2	7	20	2.857142857	0.142857143	
Column 3	6	16.5	2.75	0.375	
Column 4	3	9.5	3.166666667	0.333333333	
Column 5	8	22	2.75	0.357142857	

ANOVA						
Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	0.43452381	4	0.108630952	0.435768863	0.781485221	2.758710593
Within Groups	6.232142857	25	0.249285714			
Total	6.666666667	29				

6) Anova: Single Factor for Average Productivity (Per Hectare) Distribution

Anova: Single Factor

SUMMARY					
Groups	Count	Sum	Average	Variance	
Column 1	6	29	4.833333333	4.566666667	
Column 2	7	33	4.714285714	1.238095238	
Column 3	6	29	4.833333333	2.966666667	
Column 4	3	18	6	1	
Column 5	8	50	6.25	5.928571429	

ANOVA						
Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	13.7047619	4	3.426190476	0.966809997	0.443036901	2.758710593
Within Groups	88.5952381	25	3.543809524			
Total	102.3	29				

7) Anova: Single Factor for Tree Density (Per Hectare) Distribution

Anova: Single Factor

SUMMARY					
Groups	Count	Sum	Average	Variance	
Column 1	6	27	4.5	17.9	
Column 2	7	19	2.714285714	13.57142857	
Column 3	6	10	1.666666667	0.266666667	
Column 4	3	16	5.333333333	16.33333333	
Column 5	8	15	1.875	1.267857143	

ANOVA						
Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	50.89642857	4	12.72410714	1.487826777	0.235878255	2.758710593
Within Groups	213.8035714	25	8.552142857			
Total	264.7	29				

8) Anova: Single Factor for Animal Domestication (Per Household) Distribution

Anova: Single Factor

SUMMARY

Groups	Count	Sum	Average	Variance
Column 1	6	32	5.333333333	2.666666667
Column 2	7	29	4.142857143	0.80952381
Column 3	6	24	4	2
Column 4	3	20	6.666666667	14.33333333
Column 5	8	41	5.125	6.410714286

ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	19.73452381	4	4.933630952	1.212407115	0.330429696	2.758710593
Within Groups	101.7321429	25	4.069285714			
Total	121.4666667	29				

9) Anova: Single Factor for Forest Area Distribution

Anova: Single Factor

SUMMARY

Groups	Count	Sum	Average	Variance
Column 1	6	98	16.33333333	446.2666667
Column 2	7	74	10.57142857	89.28571429
Column 3	6	131	21.83333333	524.5666667
Column 4	3	41	13.66666667	481.3333333
Column 5	8	121	15.125	257.2678571

ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	426.077381	4	106.5193452	0.326609297	0.857429259	2.758710593
Within Groups	8153.422619	25	326.1369048			
Total	8579.5	29				

10) Anova: Single Factor for Average Distance between Settlement Agglomerations

Anova: Single Factor

SUMMARY

Groups	Count	Sum	Average	Variance
Column 1	6	3.7	0.616666667	0.101666667
Column 2	7	2.3	0.328571429	0.019047619
Column 3	6	3.8	0.633333333	0.102666667
Column 4	3	2.3	0.766666667	0.413333333
Column 5	8	4.1	0.5125	0.018392857

ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	0.560630952	4	0.140157738	1.675430482	0.187116884	2.758710593
Within Groups	2.091369048	25	0.083654762			
Total	2.652	29				