

Table 1 Sample Size in the Selected Wards

	Ward No.	LSMS93	DHS91	DHS96
makurumla	1	27	29	20
ndugumbi	2	35	15	20
tandale	3	31	17	39
mwananyamala	4	111	34	10
msasani	5	14	17	15
kinondoni	6	30	17	18
kigogo	7	23	17	17
mabibo	8	37	18	40
manzese	9	41	12	27
ilala	10	37	16	22
vingunguti	11	46	15	32
kipawa	12	43	16	8
buguruni	13	67	15	13
kivukoni	14	17	16	15
miburani	15	41	16	32
temeke	16	140	33	27
mtoni	17	55	16	27
keko	18	29	18	28
kurasini	19	17	17	11
Total sample		841	354	421

Table 2 Regresson Results of the Third WLS

Source	SS	df	MS
Model	155.77	40.00	3.89
Residual	90.66	761.00	0.12
Total	246.43	801.00	0.31

No. of obs	802.00
F(40, 761)	32.69
Prob > F	0.00
R2	0.63
Adj R2	0.61
Root MSE	0.35

	In_pce	Coef.	Std. Err.	t	P> t
	const	10.19	0.08	125.43	0.00
A	adult	-0.29	0.02	-18.20	0.00
	adult2	0.01	0.00	10.59	0.00
	child	-0.02	0.01	-1.63	0.10
	single	0.21	0.06	3.25	0.00
B	incomplete	0.18	0.04	4.24	0.00
	primary	0.34	0.06	5.46	0.00
	secondary	0.41	0.05	8.01	0.00
C	radio	0.11	0.03	3.24	0.00
	bicycle	0.07	0.04	1.76	0.08
D	makuruml	0.28	0.09	3.18	0.00
	ndugumbi	-0.25	0.28	-0.90	0.37
	tandale	0.11	0.09	1.26	0.21
	mwananyal	-0.03	0.09	-0.35	0.73
	msasani	0.73	0.22	3.39	0.00
	kinondon	-0.12	0.18	-0.67	0.50
	kigogo	0.49	0.08	5.85	0.00
	mabibo	-0.07	0.18	-0.38	0.70
	ilala	0.25	0.14	1.81	0.07
	vingungu	0.03	0.08	0.38	0.71
	kipawa	0.18	0.06	3.09	0.00
	buguruni	0.10	0.09	1.15	0.25
	kivukoni	0.83	0.29	2.86	0.00
	miburani	0.11	0.12	0.88	0.38
temeke	0.12	0.06	1.86	0.06	
mtoni	-0.10	0.07	-1.37	0.17	
keko	0.06	0.13	0.44	0.66	
kurasini	0.63	0.14	4.58	0.00	
E	elc_ndug	0.65	0.29	2.23	0.03
	elc_mwan	0.22	0.10	2.24	0.03
	elc_kino	0.41	0.21	1.97	0.05
	elc_mabi	0.45	0.23	1.94	0.05
	elc_ving	0.55	0.16	3.48	0.00
	elc_bugu	0.54	0.12	4.45	0.00
	elc_mibu	0.34	0.17	1.98	0.05
	elc_teme	0.19	0.05	3.52	0.00
	elc_mton	0.25	0.09	2.77	0.01
	elc_kura	-0.56	0.18	-3.09	0.00
	fls_mwan	1.11	0.49	2.25	0.03
	fls_ilal	0.61	0.18	3.37	0.00
	fls_keko	0.51	0.19	2.67	0.01

A: Family Variables
 adult : number of adults
 adult 2: square of adult
 child : number of children

B: Education

C: Property

D: Wards

E: Cross Terms
 elc: electricity
 fls: flush toilet

Table 3 Transition of Quartiles

	1991	1996	Difference	Percentage Change	P(X91<X96)
Quartile_1	13339.85	13530.20	190.35	1.43	0.58
Quartile_2	21902.54	22077.61	175.07	0.80	0.56
Quartile_3	35836.98	36494.43	657.45	1.83	0.62

Table 4 Transition of Living Standards in 19 Wards

	1991	1996	Difference	Percentage Change	P(X91<X96)
makurumla	27136.66	36881.14	9744.48	35.91	0.95
ndugumbi	32723.36	44110.23	11386.87	34.80	0.94
tandale	30336.78	24007.95	-6328.83	-20.86	0.04
mwananyamala	24845.22	25345.64	500.42	2.01	0.50
msasani	54539.80	64987.63	10447.83	19.16	0.73
kinondoni	24941.28	20989.00	-3952.29	-15.85	0.17
kigogo	30927.31	27013.09	-3914.23	-12.66	0.21
mabibo	18652.53	29034.46	10381.92	55.66	1.00
manzese	25241.42	21607.51	-3633.90	-14.40	0.14
ilala	24366.70	23898.11	-468.59	-1.92	0.45
vingunguti	21481.30	30195.84	8714.54	40.57	0.98
kipawa	27236.96	30936.24	3699.28	13.58	0.76
buguruni	44991.79	25796.43	-19195.36	-42.66	0.01
kivukoni	41826.42	47638.09	5811.67	13.89	0.66
miburani	30290.97	27449.93	-2841.04	-9.38	0.32
temeke	26202.02	25529.60	-672.42	-2.57	0.43
mtoni	17884.78	22789.25	4904.47	27.42	0.91
keko	31220.77	25119.65	-6101.12	-19.54	0.13
kurasini	41166.76	21213.93	-19952.83	-48.47	0.00
Total	28750.63	29157.63	407.01	1.42	0.61

Table 5 Inequality Indices in the Whole City in 1991 and 1996

	1991	1996	Difference	% Difference	P(X91<X96)
GINI	0.40	0.40	0.00	0.01	0.49
THILE	0.28	0.28	0.00	0.91	0.50
With	0.23	0.22	-0.01	-4.72	0.31
BET	0.043	0.056	0.013	31.63	0.75

Table 6 Inequality Indices in 19 Wards in 1991 and 1996

	1991	1996	Difference	% Difference	P(X91<X96)
G1	0.36	0.33	-0.03	-7.25	0.32
T1	0.21	0.18	-0.03	-13.00	0.31
G2	0.35	0.34	0.00	-0.69	0.49
T2	0.21	0.21	0.00	-0.22	0.48
G3	0.36	0.34	-0.01	-3.63	0.38
T3	0.21	0.20	-0.01	-5.23	0.41
G4	0.38	0.32	-0.06	-14.54	0.28
T4	0.25	0.19	-0.05	-20.84	0.29
G5	0.42	0.36	-0.05	-12.71	0.27
T5	0.31	0.24	-0.07	-21.46	0.30
G6	0.34	0.34	0.00	1.03	0.51
T6	0.19	0.20	0.01	6.38	0.54
G7	0.29	0.29	0.00	0.76	0.52
T7	0.14	0.15	0.01	7.11	0.55
G8	0.37	0.35	-0.02	-6.23	0.30
T8	0.24	0.21	-0.03	-11.55	0.33
G9	0.30	0.28	-0.02	-5.26	0.38
T9	0.15	0.14	-0.01	-8.22	0.38
G10	0.41	0.38	-0.04	-8.74	0.33
T10	0.31	0.26	-0.05	-15.19	0.35
G11	0.37	0.38	0.01	3.03	0.59
T11	0.22	0.24	0.02	9.07	0.61
G12	0.29	0.22	-0.08	-26.23	0.15
T12	0.14	0.09	-0.05	-33.60	0.20
G13	0.39	0.39	0.00	-0.98	0.49
T13	0.26	0.27	0.00	0.80	0.47
G14	0.41	0.41	0.00	0.17	0.51
T14	0.29	0.30	0.01	4.23	0.52
G15	0.39	0.39	0.00	0.30	0.49
T15	0.29	0.29	0.00	-0.63	0.46
G16	0.36	0.39	0.03	8.24	0.70
T16	0.21	0.25	0.04	19.73	0.71
G17	0.38	0.35	-0.03	-8.04	0.30
T17	0.24	0.20	-0.04	-18.00	0.30
G18	0.39	0.35	-0.04	-10.82	0.27
T18	0.28	0.22	-0.06	-21.79	0.28
G19	0.39	0.25	-0.14	-35.54	0.01
T19	0.25	0.11	-0.14	-55.95	0.01
G0	0.40	0.40	0.00	0.01	0.49
T0	0.28	0.28	0.00	0.91	0.50

Table 7 Saturation Rate of Electricity (%)

	1988 (census)	1991 (DHS)	1993 (LSMS)	1996 (DHS)
Saturation rate	37.8	36.2	45.1	52.0

Table 8 Saturation Rates and Living Standards

Ward	Ward No.	Rate 91	91	Rate 96	96
makurumla	1	30.00	27136.66	60.00	36881.14
ndugumbi	2	93.30	32723.36	100.00	44110.23
tandale	3	0.00	30336.78	30.00	24007.95
mwananyamala	4	20.60	24845.22	50.00	25345.64
msasani	5	29.40	54539.8	93.30	64987.63
kinondoni	6	82.40	24941.28	63.20	20989
kigogo	7	52.90	30927.31	66.70	27013.09
mabibo	8	11.10	18652.53	22.20	29034.46
manzese	9	25.00	25241.42	33.30	21607.51
ilala	10	82.40	24366.7	64.00	23898.11
vingunguti	11	0.00	21481.3	38.20	30195.84
kipawa	12	31.30	27236.96	75.00	30936.24
buguruni	13	40.00	44991.79	30.80	25796.43
kivukoni	14	100.00	41826.42	100.00	47638.09
miburani	15	29.40	30290.97	40.00	27449.93
temeke	16	51.50	26202.02	51.70	25529.6
mtoni	17	25.00	17884.78	35.70	22789.25
keko	18	61.10	31220.77	64.30	25119.65
kurasini	19	17.60	41166.76	90.90	21213.93
overall		36.20	28750.63	52.00	29157.63