

APPENDIX III: REGRESSION ANALYSIS

Table A3.1: Summary Statistics

Number of Observation =2,288

Variable	Mean	Standard Deviation	Mini- mum	Maxi- Mum
Non-poor in 2003	0.4650	0.4989	0	1
Age	49.1456	12.7753	17	93
Square of Age	2,578.42	1,306.08	289	8,649
No Education	0.0730	0.2602	0	1
Some Primary School	0.1849	0.3883	0	1
Primary School Graduate	0.2732	0.4457	0	1
Some High School	0.1163	0.3206	0	1
High School Graduate	0.1858	0.3890	0	1
Household Size	5.2254	2.1863	1	13
Resides in Luzon	0.2985	0.4577	0	1
Resides in Visayas	0.2976	0.4573	0	1
Resides in Mindanao	0.3304	0.4705	0	1
Poor in 2001	0.5402	0.4985	0	1
Rice Area	0.8074	1.1083	0	13
Cash Crop Area	0.7087	1.7036	0	40.8
Other Crop Area	0.4319	1.1371	0	15
Credit Availed	6,374.55	23,520.66	0	500,000
Jeep and Truck Ownership	0.0337	0.1804	0	1
Tricycle Ownership	0.0634	0.2437	0	1
Production Assets Ownership	0.1897	0.3921	0	1
Access to FMR and Bridge	0.8686	0.3379	0	1
Access to Irrigation	0.0533	0.2247	0	1
Rice is main crop	0.4917	0.5000	0	1
Sugar is main crop	0.0402	0.1965	0	1
Maize is main crop	0.1425	0.3496	0	1
Bananas are main crop	0.0284	0.1662	0	1
Other crop is main crop	0.1429	0.3501	0	1

Table A3.2: Determinants of Being Non-Poor in 2003
(n=2213)

Variable	Coefficient	Standard Error	Z	P>z
Age	0.0014	0.0265	0.0500	0.9580
Square of Age	0.0000	0.0003	0.0300	0.9790
No Education ¹	0.2772	0.2566	1.0800	0.2800
Some Primary School ¹	-0.7679	0.1702	-4.5100	0.0000
Primary School Graduate ¹	-0.7061	0.1555	-4.5400	0.0000
Some High School ¹	-0.1962	0.1830	-1.0700	0.2840
High School Graduate	-0.4066	0.1609	-2.5300	0.0120
Household Size	-0.2461	0.0254	-9.6900	0.0000
Resides in Luzon ²	0.6380	0.2541	2.5100	0.0120
Resides in Visayas ²	0.9692	0.2419	4.0100	0.0000
Resides in Mindanao ²	1.1087	0.2291	4.8400	0.0000
Poor in 2001	-1.0948	0.1024	-10.6900	0.0000
Rice Area	0.2037	0.0573	3.5600	0.0000
Cash Crop Area	0.3183	0.0505	6.3000	0.0000
Other Crop Area	0.2520	0.0553	4.5600	0.0000
Credit Availed	0.0000	0.0000	-1.2800	0.2020
Jeep and Truck Ownership	0.3647	0.2984	1.2200	0.2220
Tricycle Ownership	0.3890	0.2075	1.8700	0.0610
Production Assets Ownership	0.3011	0.1465	2.0600	0.0400
Access to FMR and Bridge	0.2933	0.1727	1.7000	0.0890
Access to Irrigation	0.0669	0.2234	0.3000	0.7650
Rice is main crop	0.5909	0.1639	3.6100	0.0000
Sugar is main crop	0.2872	0.2750	1.0400	0.2960
Maize is main crop	0.4777	0.1878	2.5400	0.0110
Bananas are main crop	1.1392	0.3167	3.6000	0.0000
Other crop is main crop	1.1360	0.2004	5.6700	0.0000
Constant	-0.2423	0.6820	-0.3600	0.7220

1. Household heads with some college and above are the dropped variable.

2. Households residing in ARMM are the dropped variable.

Table A3.3: Determinants of Being Poor in 2003
(n=2213)

Variable	Odds Ratio	Changes in Predicted Probabilities		
		x=min	x=max	Difference
Age	1.0014	0.4295	0.456	0.0264
Square of Age	1.000	0.4367	0.4512	0.0144
No Education ¹	1.3195	0.4372	0.5062	0.069
Some Primary School ¹	0.464	0.4767	0.2971	-0.1796
Primary School Graduate ¹	0.4936	0.4896	0.3213	-0.1683
Some High School ¹	0.8219	0.4465	0.3986	-0.0478
High School Graduate	0.6659	0.4598	0.3618	-0.098
Household Size	0.7819	0.6908	0.1044	-0.5864
Resides in Luzon ²	1.8927	0.3948	0.5525	0.1577
Resides in Visayas ²	2.6358	0.3709	0.6084	0.2376
Resides in Mindanao ²	3.0303	0.3528	0.6229	0.2701
Poor in 2001	0.3346	0.5922	0.3270	-0.2652
Rice Area	1.2259	0.4007	0.9042	0.5035
Cash Crop Area	1.3748	0.3864	1.000	0.6136
Other Crop Area	1.2866	0.414	0.9687	0.5547
Credit Availed	1.000	0.4458	0.1386	-0.3072
Jeep and Truck Ownership	1.4401	0.4377	0.5285	0.0908
Tricycle Ownership	1.4755	0.4348	0.5317	0.0968
Production Assets Ownership	1.3513	0.4266	0.5013	0.0747
Access to FMR and Bridge	1.3408	0.3775	0.4485	0.071
Access to Irrigation	1.0692	0.4398	0.4563	0.0165
Rice is main crop	1.8057	0.3708	0.5155	0.1447
Sugar is main crop	1.3327	0.4378	0.5093	0.0715
Maize is main crop	1.6123	0.4241	0.5428	0.1187
Bananas are main crop	3.1243	0.4328	0.7045	0.2717