



User: Project Stunting
Project: Project Stunting

1 . do "C:\Users\shimanto\AppData\Local\Temp\STD01000000.tmp"

2 . svy: logit stunted ib1.areal ib3.division1 ib3.melevel ib3.helevel i.mwork ib3.hhocu ib3.wind ib
(running logit on estimation sample)

Survey: Logistic regression

Number of strata	=	22	Number of obs	=	7,743
Number of PSUs	=	672	Population size	=	7,726.2877
			Design df	=	650
			F(28, 623)	=	15.07
			Prob > F	=	0.0000

stunted	Odds Ratio	Linearized Std. Err.	t	P> t	[95% Conf. Interval]	
areal						
Rural	1.006201	.0927282	0.07	0.947	.8396422	1.205799
division1						
Barisal	1.239941	.1724466	1.55	0.123	.9436218	1.62931
Chittagong	1.27769	.1697452	1.84	0.066	.9843054	1.658523
Khulna	.9478358	.137382	-0.37	0.712	.7130621	1.259908
Rajshahi	1.245639	.1674961	1.63	0.103	.9565797	1.622047
Rangpur	1.140625	.1588527	0.94	0.345	.8677134	1.499371
Sylhet	1.004447	.1374247	0.03	0.974	.7678058	1.314021
Mymensingh	1.658386	.208382	4.03	0.000	1.295775	2.12247
melevel1						
No education	2.000708	.3350208	4.14	0.000	1.440069	2.779613
Primary	1.874369	.2465772	4.78	0.000	1.447668	2.426841
Secondary	1.582601	.1819005	3.99	0.000	1.262856	1.983304
helevel1						
No education	1.989584	.2693733	5.08	0.000	1.525112	2.595512
Primary	1.67844	.1956907	4.44	0.000	1.334992	2.110247
Secondary	1.396011	.1543662	3.02	0.003	1.123544	1.734552
mwork1						
Yes	1.069306	.076702	0.93	0.351	.9288188	1.231043
hhocu1						
Jobless	1.308335	.4235304	0.83	0.407	.6928773	2.470481
Farmer	1.259922	.1400516	2.08	0.038	1.012858	1.567252
Agriculture	1.288815	.1651574	1.98	0.048	1.002094	1.657573
Others	1.149391	.0879132	1.82	0.069	.9891007	1.335657
wind1						
Poor	1.351729	.1339244	3.04	0.002	1.112752	1.642029
Middle	1.192776	.1112484	1.89	0.059	.9931628	1.432509
medial						
No	1.141602	.0815502	1.85	0.064	.9921921	1.313511
birthord1						
4-6	1.159276	.1083103	1.58	0.114	.964965	1.392716
7-10	1.176567	.3967162	0.48	0.630	.6068369	2.281189
cage1						
12-23	2.15688	.2099149	7.90	0.000	1.78168	2.611094
24-35	2.633234	.2602691	9.80	0.000	2.168701	3.197269
36-47	1.980223	.1936129	6.99	0.000	1.634308	2.399353
48-59	1.523812	.1488639	4.31	0.000	1.257827	1.846044
_cons	.0568944	.0098528	-16.55	0.000	.0404935	.079938

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3 .
  end of do-file

4 . do "C:\Users\shimanto\AppData\Local\Temp\STD01000000.tmp"

5 . svyset v001, weight(wt2_4) strata(v022) , singleunit(centered) || _n, weight(wt1_4)
  Note: Stage 1 is sampled with replacement; further stages will be ignored for variance estimation.

      pweight: <none>
      VCE: linearized
  Single unit: centered
    Strata 1: v022
      SU 1: v001
      FPC 1: <zero>
    Weight 1: wt2_4
    Strata 2: <one>
      SU 2: <observations>
      FPC 2: <zero>
    Weight 2: wt1_4

6 .
7 . *****
8 . **Multilevel binary logistic Logistic regression
9 . *****
10 . svy: melogit stunted ib1.areal ib3.division1 ib3.melevel ib3.helevel i.mwork ib3.hhocu ib3.wind
    (running melogit on estimation sample)

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Survey: Mixed-effects logistic regression

Number of strata	=	22	Number of obs	=	7,743
Number of PSUs	=	672	Population size	=	12,733,940
			Design df	=	650
			F(28, 623)	=	12.91
			Prob > F	=	0.0000

stunted	Odds Ratio	Linearized Std. Err.	t	P> t	[95% Conf. Interval]	
areal						
Rural	1.050205	.1115867	0.46	0.645	.8524392	1.293854
division1						
Barisal	1.402779	.2421203	1.96	0.050	.9995333	1.968707
Chittagong	1.411369	.243934	1.99	0.047	1.005192	1.981675
Khulna	.9519393	.1718615	-0.27	0.785	.6678025	1.356971
Rajshahi	1.383368	.2329403	1.93	0.054	.993893	1.925466
Rangpur	1.150864	.1984304	0.81	0.415	.8203278	1.614585
Sylhet	1.02268	.1752598	0.13	0.896	.730457	1.431808
Mymensingh	2.019395	.3199373	4.44	0.000	1.479489	2.756326
melevel1						
No education	2.068088	.3998965	3.76	0.000	1.414715	3.023214
Primary	1.998616	.2943296	4.70	0.000	1.496724	2.668805
Secondary	1.709848	.2206333	4.16	0.000	1.327139	2.20292
helevel1						
No education	2.031078	.3034398	4.74	0.000	1.514681	2.723529
Primary	1.683523	.2202083	3.98	0.000	1.302184	2.176535
Secondary	1.416296	.1778054	2.77	0.006	1.10686	1.812238
mwork1						
Yes	1.080379	.0880507	0.95	0.343	.9206061	1.26788

hhocul						
Jobless	1.264133	.4797717	0.62	0.537	.5999804	2.663476
Farmer	1.281607	.1624332	1.96	0.051	.9992421	1.643762
Agriculture	1.395419	.2158674	2.15	0.032	1.029866	1.890727
Others	1.137743	.0985703	1.49	0.137	.9597569	1.348736
wind1						
Poor	1.51259	.1733164	3.61	0.000	1.207832	1.894244
Middle	1.253059	.1418553	1.99	0.047	1.003297	1.564997
medial						
No	1.075626	.0886529	0.88	0.377	.9149019	1.264585
birthord1						
4-6	1.16316	.1241873	1.42	0.157	.9431694	1.434463
7-10	1.104283	.3949842	0.28	0.782	.5470808	2.228997
cage1						
12-23	2.496245	.2704102	8.44	0.000	2.017935	3.087928
24-35	3.034569	.3486502	9.66	0.000	2.421685	3.802563
36-47	2.246514	.2482182	7.33	0.000	1.808357	2.790835
48-59	1.657004	.1774608	4.72	0.000	1.342741	2.04482
_cons	.0374512	.0078984	-15.57	0.000	.0247522	.0566655
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v001						
var(_cons)	.8726833	.096899			.7017245	1.085292

11 .
end of do-file

12 .