Regression analysis for expenditure method

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Variable | Obs | Mean | Std. dev. | Min | Max |
| Expenditure on food | 384 | .5963542 | .4912681 | 0 | 1 |
| HH Gender | 384 | .8697917 | .3369716 | 0 | 1 |
| HH head age | 384 | 46.45313 | 13.80895 | 20 | 90 |
| HH education | 384 | 4.005208 | 4.448131 | 0 | 16 |
| PCI | 384 | 6105.258 | 5013.701 | 336.8611 | 30783.08 |
| No of Earners | 384 | 2.065104 | 1.29608 | -1 | 11 |
| Family type | 384 | .2395833 | .427386 | 0 | 1 |
| Foreign Remittances | 384 | .2838542 | .4514551 | 0 | 1 |
| Agri land ownership | 384 | .2552083 | .436547 | 0 | 1 |
| Residential ownership | 384 | .7630208 | .4257842 | 0 | 1 |
| Livestock ownership | 384 | .5598958 | .4970471 | 0 | 1 |

Regression Analysis

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| expfs. | Coefficient | Std err. | z | P>z | [95%conf. interval] | |
| HeadC | -.4509742 | .8279443 | -0.54 | 0.586 | -2.073715 | 1.171767 |
| headage | .0826381 | .022951 | 3.60 | 0.000 | .037655 | .1276211 |
| education | .2604277 | .0645269 | 4.04 | 0.000 | .1339572 | .3868981 |
| PCI | .0015637 | .0002255 | 6.93 | 0.000 | .0011217 | .0020058 |
| NoofEarners | .2105316 | .260378 | 0.81 | 0.419 | -.2997999 | .7208631 |
| Familytype | -6.167027 | 1.157222 | -5.33 | 0.000 | -8.43514 - | 3.898914 |
| ForeignRem | -.4899307 | .6122879 | -0.80 | 0.424 | -1.689993 | .7101315 |
| agriland | 3.882799 | 1.269629 | 3.06 | 0.002 | 1.394373 | 6.371226 |
| Residentail | .9573543 | .5276453 | 1.81 | 0.070 | -.0768115 | 1.99152 |
| Livestock | 1.088997 | .4603525 | 2.37 | 0.018 | .1867222 | 1.991271 |
| \_cons | -11.58035 | 1.761518 | -6.57 | 0.000 | -15.03287 | -8.127843 |

Number of obs = 384

LR chi2(10) = 378.71

Prob > chi2 = 0.0000

Log likelihood = -69.640695 Pseudo R2 = 0.7311

Odd Ratios

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| expfs | Odds ratio | Std.err. | z | P>z | [95%conf. interval] | |
| HeadC | .6370073 | .5274066 | -0.54 | 0.586 | .1257178 | 3.22769 |
| headage | 1.086149 | .0249281 | 3.60 | 0.000 | 1.038373 | 1.136122 |
| education | 1.297485 | .0837227 | 4.04 | 0.000 | 1.143344 | 1.472406 |
| PCI | 1.001565 | .0002259 | 6.93 | 0.000 | 1.001122 | 1.002008 |
| NoofEarners | 1.234334 | .3213934 | 0.81 | 0.419 | .7409664 | 2.056207 |
| Familytype | .0020975 | .0024272 | -5.33 | 0.000 | .0002171 | .0202639 |
| ForeignRem | .6126689 | .3751297 | -0.80 | 0.424 | .1845208 | 2.034259 |
| agriland | 48.55995 | 61.65311 | 3.06 | 0.002 | 4.032444 | 584.7742 |
| Residentail | 2.604796 | 1.374408 | 1.81 | 0.070 | .9260644 | 7.326662 |
| Livestock | 2.971291 | 1.367841 | 2.37 | 0.018 | 1.205292 | 7.324838 |
| \_cons | 9.35e-06 | .0000165 | -6.57 | 0.000 | 2.96e-07 | .0002952 |

Number of obs = 384

LR chi2(10) = 378.71

Prob > chi2 = 0.0000

Log likelihood = -69.640695 Pseudo R2 = 0.7311

Marginal effects

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | dy/dx | std. err. | z | P>z | [95% conf. interval] | |
| HeadC | -.0249152 | .0456048 | -0.55 | 0.585 | -.114299 | .0644687 |
| headage | .0045655 | .0011309 | 4.04 | 0.000 | .002349 | .0067821 |
| education | .014388 | .0030416 | 4.73 | 0.000 | .0084265 | .0203495 |
| PCI | .0000864 | 6.89e-06 | 12.54 | 0.000 | .0000729 | .0000999 |
| NoofEarners | .0116313 | .0143344 | 0.81 | 0.417 | -.0164636 | .0397263 |
| Familytype | -.3407128 | .0497046 | -6.85 | 0.000 | -.4381319 | -.2432936 |
| ForeignRem | -.0270674 | .033695 | -0.80 | 0.422 | -.0931083 | .0389735 |
| agriland | .2145149 | .0648135 | 3.31 | 0.001 | .0874828 | .341547 |
| Residentail | .0528914 | .0284468 | 1.86 | 0.063 | -.0028632 | .1086461 |
| Livestock | .0601643 | .0247272 | 2.43 | 0.015 | .0116998 | .1086288 |