

Appendix

Equation A.1 is the binary logistic regression equation applied.

$$\ln(PX/(1-P)) = \beta_0 + \beta_1 X_{1i} + \beta_2 X_{2i} + \dots + \beta_k X_{ki} \quad \text{Eq. A.1}$$

Where i is the i th observation in the sample; PX is the probability of an event happening for an observed set of variables X_{1i} ; $(1-PX)$ is the probability of event not occurring. β_0 is the intercept term and $\beta_1, \beta_2, \dots, \beta_k$ are the coefficients of the explanatory variables $X_1, X_2, \dots, X_k$, respectively.

Table A.1. Variable codes for the logistic regression model.

Variable	Code
Heard of household hazardous waste	No = 0, Yes = 1
Gender	Female = 0, Male = 1
Age (years)	Up to 20 = 1, 21–40 = 2, 41–60 = 3, More than 60 = 4
Highest education level	None = 0, Primary = 1, Basic = 2, Secondary = 3, Tertiary = 4
Average monthly income (GHC)	0–500 = 1, 501–1000 = 2, 1001 – 1500 = 3, 1501–2000 = 4, Above 2000 = 5
Major occupation	Categorical
Type of dwelling unit	Categorical