

Annotated Equation

The diagram shows a logistic regression equation with several terms. Each term is highlighted with a colored box, and an arrow points from a descriptive label below to the corresponding term. The labels are: 'baseline log odds' (blue) pointing to β_0 , 'abuse' (red) pointing to $\Sigma\beta_{abuse}$, 'covariates' (teal) pointing to $\Sigma\beta_{covariates}$, 'normativeness of violence' (pink) pointing to $\Sigma\beta_{normativeness}$, 'interaction' (dark blue) pointing to $\Sigma\beta_{abuse} \times normativeness$, and 'country level variation in outcome' (orange) pointing to u_{0j} . The left side of the equation is labeled 'logarithm of odds of aggression' in purple.

$$\ln \left(\frac{p(\text{aggression})}{1 - p(\text{aggression})} \right) = \beta_0 + \Sigma\beta_{abuse} + \Sigma\beta_{covariates} + \Sigma\beta_{normativeness} + \Sigma\beta_{abuse} \times normativeness + u_{0j}$$