
Subject: Re: About Binary logistic regression Analysis
Posted by [Liz-DHS](#) on Mon, 06 Feb 2017 14:52:55 GMT

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A response from Dr. Tom Pullum,

Quote:

This is potentially a more difficult question than you may realize. There are several different possibilities. You could perhaps construct a set of binary variables Y_k , for $k=0,1,2,3,4,\dots$ as follows. $Y_k=0$ for women with k children; $Y_k=1$ for women with more than k children; $Y_k="."$ for women with fewer than k children. You would then be describing the probability of going from parity k to parity $k+1$. This would be better for number of children ever born than for number of living children. Logit regression is not well suited for an outcome that is a count. Another possibility would be to use poisson regression or negative binomial regression. There is not a general agreement on a single way to analyze this outcome.
