

Methods for Assessing the Scale of Continuous Covariates in Logistic Regression Modeling

Conférence-discussion
avec Pr Stanley Lemeshow



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Logistic regression has become the standard method for analyzing binary, multinomial or ordinal scale response data in epidemiologic research. An important, but often overlooked, assumption concerning the continuous independent variables in the model is that they must be “linear in the logit”. If this assumption is violated, the variable cannot be included “as is”. Instead, some appropriate transformation or categorization of the variable must be considered. In this talk we will consider various methods for determining whether a variable is linear in the logit and will consider modeling implications when it is not.

Prof. Stanley Lemeshow

Stanley Lemeshow, PhD, MSPH is a professor of biostatistics in the College of Public Health at The Ohio State University. He is Founding Dean of the College and served in that capacity between 2003 and 2013. He has been with the University since 1999 as a biostatistics professor in the School of Public Health and the Department of Statistics, director of the biostatistics core of the Comprehensive Cancer Center and Director of the University’s Center for Biostatistics. His biostatistics research includes statistical modeling of medical data, sampling, health disparities and cancer prevention.

Stanley Lemeshow is internationally known for his expertise in biostatistics and epidemiology. He has published extensively in the applied and methodological literature and has co-authored three textbooks: *Applied Logistic Regression*, *Applied Survival Analysis* and *Sampling of Populations; Methods and Applications*. In 2003, Dean Lemeshow was awarded the Wiley Lifetime Award.

Plus d’infos

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