



Log-linear Analysis with Missing Data using Full Information Maximum Likelihood (FIML)

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Abstract.

It seems that many statisticians are unaware that, in log-linear analysis, it is possible to compensate for the effects of both ignorable and nonignorable item missing data using the full information maximum likelihood approaches. This talk provides an overview of FIML in the context of log-linear modeling and discusses two approaches: Fuchs approach for saturated MAR models and Fay's response indicators approach. These approaches will be illustrated using data from the US Survey of Income and Program Participation (SIPP).