



Effect has been fixed because variable is not homogeneous

The message

“Variable X has been fixed because the variable is not homogenous”

is associated with the HMLM and HMLM2 modules.

Consider the situation where you have 4 indicator variables (*e.g.* time points). To be random, your X variable must have 4 and only 4 values across the data set. Furthermore, the value of X must be constant for a given indicator value. For example, say the possible values of X are X_1, X_2, X_3, X_4 and the associated indicators are IND_1 to IND_4 , one of which is equal to 1 and all the others equal to zero for a given case. If $IND_1 = 1$, then the value of X must always be one of X_1, X_2, X_3, X_4 . This is what the program means by homogenous.