



How to Deal with “The Language-as-Fixed-Effect Fallacy”: Common Misconceptions and Alternative Solutions

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Although Clark’s (1973) critique of statis-
tics T* [(have)-308(not)-308(been)-308(understood)-308(very)-308
that the items are sampled from a larger popu-
lation of items. The major problem with this
so-called “language-as-fixed-effect fallacy” is
randomly or pseudorandomly leads to sampling
variance that must be taken into account. Oth-

*minF*₉ as well as the bias in F_1 . For example, Smith (1976) and Wike and Church (1976) criticized the use of F_9 (and

significant might in fact be significant). How-

correct value of $F\vartheta$. As we mentioned before,

are random factors (Group is random since it corresponds to an interaction between a fixed and a random effect). That is, it is assumed that the lists are based on a random sample of words from a larger population of words. Table 9 gives the expected mean-squares for this design under these assumptions. Note that the interaction term Treatment 3 List (within) does not exist for the case $p = 2$ (this interaction is then completely confounded with the Group main effect).

As can be seen from Table 9, in order to test the treatment effect, the treatment mean-square should be tested against the Treatment 3 List

tion. This partitioning of the Groups 3 Treat-

